NEC

Xen

Programming Manual

NEC Business Solutions Ltd

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Preface

SECTION 1
ABOUT THIS MANUAL

The Programming Manual was developed primarily for the technician and provides all necessary information for programming the Xen Master and Axis systems.

Programming can be accomplished using either a PC or a Multiline Terminal.

SECTION 2
MANUAL
ORGANIZATION

This manual provides instructions for programming the Xen system.

Chapter 1 – Multiline Terminal Programming

This chapter includes all of the Memory Blocks used to program the system. Detailed programming instructions are provided for each Memory Block.

Chapter 2 – Guide to Feature Programming

This chapter includes a list by feature of the Memory Blocks necessary for programming each feature.

Chapter 3 – PC Programming

This chapter includes the instruction or programming using Xen PC software.

SECTION 3
SUPPORTING
DOCUMENTS

The Xen system has a set of manuals that provide all the information necessary to install and support the system. The remaining manuals which comprise the set are described below.

Features and Specifications Manual

This manual provides detailed information related to every feature available in the system.

General Description Manual

This manual provides general information about the system, its features, system configuration and standards. This manual provides an overview of the Xen system and is useful when presenting information to potential customers.

System Hardware Manual

The System Hardware Manual is provided for the system installer. This manual provides detailed instructions for installing the Xen KSU, ETUs, Multiline Terminals, and optional equipment.

Least Cost Routing Manual

This manual provides instructions to the service technician for programming the customer site for least cost routing.

Automatic Call Distribution Manual

This manual provides the service technician with instructions for programming the ACD. This manual can also be used by the ACD supervisor at the customer site to become familiar with the ACD/MIS feature.

Job Specifications Manual

This manual is intended to help the with installing and maintaining the Xen system. This manual contains the job specification worksheets. When these worksheets are completed, they provide all of the system programming values and configuration information necessary to assist technicians in maintaining the system.

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Multiline Terminal Programming

**SECTION 1
GENERAL
INFORMATION**

The Xen system is a stored-program controlled system. When the system is initially powered up, the CPU scans each possible interface slot to determine the hardware configuration. The system stores this information and the default values in the resident system program memory. After initially powering up the system, a trained technician can change the resident system program to meet the specific needs of an individual customer.

**SECTION 2
PROGRAMMING THE
SYSTEM**

! *The battery on the CPU **must be connected.** If the battery is not connected before the programming begins, data may be lost if a power outage occurs.*

System data programming may be necessary when:

℄ The system is installed for the first time.

℄ Components of an existing system are replaced.

℄ Functions of an existing system are changed.
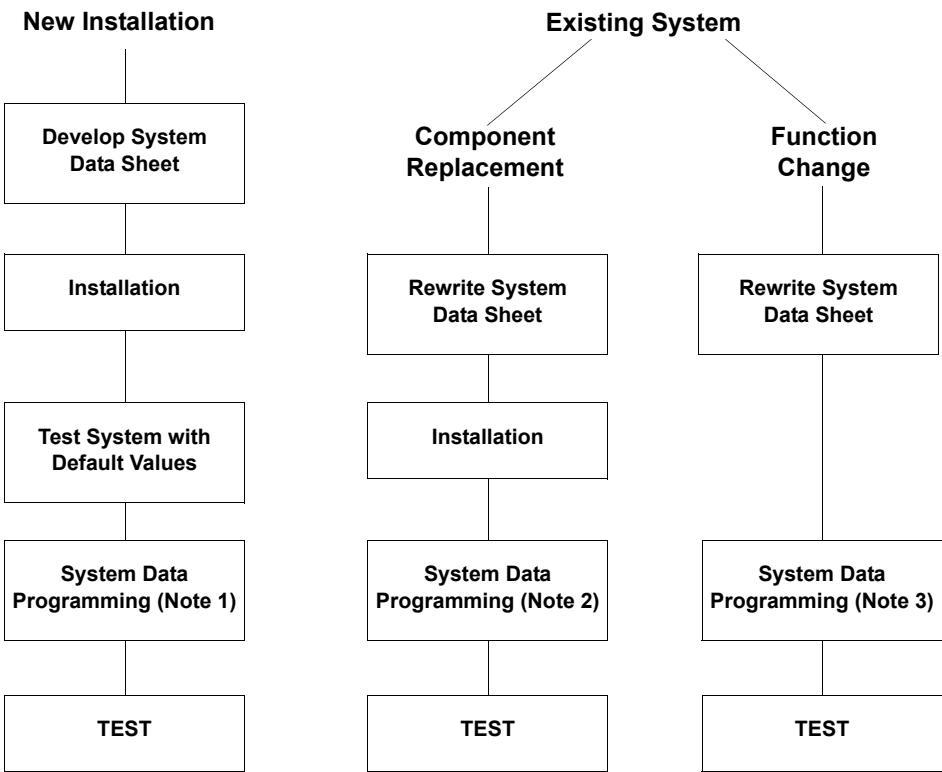
Note 1: For new installations, system default values are assigned when the power is turned on. Therefore, only program the system data to be changed.

Note 2: For component replacements, program the relevant system data.

Note 3: For function changes, program the system data to be revised.

Figure 1-1   Programming Flowchart

2.1 Features of Programming

The following features are provided with Multiline Programming:

℀ The system operates from default after initial power-up. The technician needs to program only the parameters that change from the default assignments.

℀ System programming characters are displayed on the LCD of the Multiline Terminal.

℀ Several types of system programming can be entered at the same time.

℀ Data programmed for one telephone (e.g., Tenant Mode, CO/PBX Line Mode, or Telephone Mode) can be copied to another telephone.

℀ Two Multiline Terminals can be used simultaneously for programming. These terminals are connected to ports 01 and 02.

2.2 System Programming Modes

System programming has eight modes and some modes have submodes. The modes and submodes are listed in Table 1-1 Programming Modes.

Table 1-1 Programming Modes

Line Key	Mode Name	Line Key	Submode Name
LK 1	System Mode	LK 1	CO LIne
		LK 2	ICM
		LK 3	SLT
		LK 4	Transfer/Automated Attendant
		LK 5	SMDR/LCR
		LK 6	DSS
		LK 7	ESP
		LK 8	PBR/Miscellaneous
		LK 9	DISA
		LK 10	CAR
		LK 11	Not Used
		LK 12	ACD/UCD
		LK 13	PRI ISDN
LK 2	Tenant Mode	N/A	N/A
LK 3	CO/PBX Line Mode	N/A	N/A
LK 4	Telephone Mode	N/A	N/A
LK 5	Trunk Group Mode	N/A	N/A
LK 6	Copy Mode	LK 2	Tenant Mode Copy Assignment
		LK 3	CO Line Mode Copy Assignment
		LK 4	Telephone Mode Copy Assignment
		LK 5	Trunk Group Mode Copy Assignment
LK 7	ETU Mode	LK 1	Card Interface Slot Assignment
		LK 2	Telephone Type Assignment
		LK 3	MIF Assignment

Table 1-1 Programming Modes (Continued)

Line Key	Mode Name	Line Key	Submode Name
LK 8	Special Mode	LK 1	ROM Version Confirmation
		LK 2	System Speed Dial Memory Clear
		LK 3	Station Speed Dial Memory Clear
		LK 8	Second Initialization

2.3   Before Programming

The technician should check the ROM version and the port numbers before programming the system.

2.3.1   Check Points

✆   Confirming the ROM Version

The features that are available depend on the ROM version. Refer to Memory Block 8-1 (ROM Version Confirmation).

✆   Confirming the Port Number

Port numbers are used for system programming. Refer to Memory Block 7-1 (Card Interface Slot Assignment).

To confirm station numbers press ⌨Feature and ④GHI. The display indicates the station number and the port number.

```
       Station                Port
       Number                 Number

      # # # = T E L  X X

            T I M E   D I S P L A Y
```
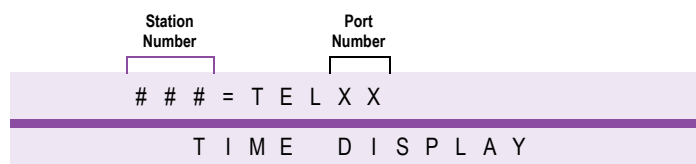
2.3.2   Preliminary Points

✆   Selecting System Programming

Refer to Section 2 Programming the System on page 1-1.

2.4   Writing System Data

After turning on the system, system data can be programmed using a Multiline Terminal that is connected to ports 01 or 02 (the Multiline Terminal must be idle). System programming can be performed while other Multiline Terminals in the system are in use. Some data is written into memory immediately after the programming process, while other data is not written until the stations or trunks are idle. When the data is not written until a station or trunk is idle, the station LCD displays 'DATA ENTRY' even after the programming process is completed. This indicates that system data entry is still in progress. When the in-use stations become idle, the data is written and the station LCD displays only the time.

The data programmed for the following Memory Blocks is not written while the Multiline Terminals or PBRs are in use:

✆   When Multiline Terminals are in use:

   •   Memory Block 2-01 (Trunk to Tenant Assignment)

   •   Memory Block 2-05 (Line Key Selection)

   •   Memory Block 2-07 (System Speed Dial Display Assignment)

   •   Memory Block 4-09 (Telephone to Tenant Assignment)

✆   When the PBR is in use:

   •   Memory Block 1-8-01 (SLT or Automated Attendant/DISA to PBR Selection)

   •   Memory Block 1-8-02 (PBR Receive Level Assignment for Automated Attendant/DISA)

2.5   Programming Methods

2.5.1   Initializing the System

Turn the new Key Service Unit (KSU) power supply on. After 30 seconds, the system operates with the system default values.

2.5.2   Using the Multiline Terminal for Programming

System programming can be performed using a display type Multiline Terminal that is connected to station ports 01 or 02.

Refer to Figure 1-2 Xen Multiline Terminal and Table 1-2 Multiline Terminal Keys Used for Programming.
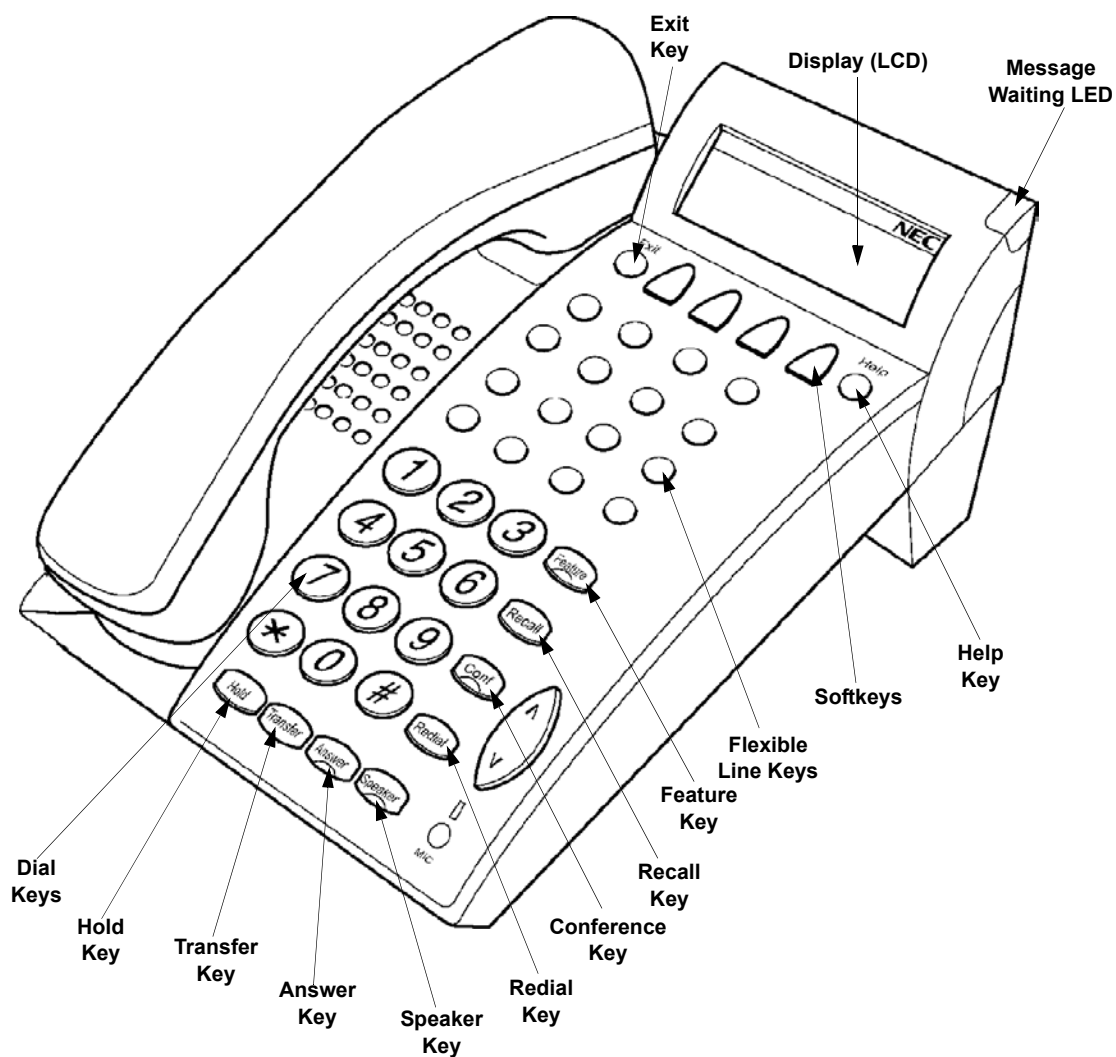
Figure 1-2   Xen Multiline Terminal

Table 1-2 Multiline Terminal Keys Used for Programming provides a list and description of the keys used during Multiline Terminal Programming.

Table 1-2 Multiline Terminal Keys Used for Programming

Key	Description
⓪OPER ~ ⑨WXYZ	Used to enter data from the dial pad and to specify a Memory Block location.
✳	Used to move the cursor to the left. The cursor moves one character space to the left each time ✳ is pressed.
#	Used to move the cursor to the right. The cursor moves one character space to the right each time # is pressed.
Answer	Used to select another mode. Press Answer to switch modes as follows: • Mode or submode selection: Returns to Program Mode. • Data No. Mode: Return to a mode or submode selection, or Program Mode (if no submode exists).
Conf	Each time the conference key is pressed, Memory Block item changes are as follows: • Tenant Mode: The tenant number increments by one. • CO/PBX Line Mode: The CO/PBX line number increments by one. • Telephone Mode: The telephone port number increments by one. • Trunk Group Mode: The Trunk group number increments by one.
Exit ○	Future use.
Feature	Used to return to the **previous** page in system programming.
Help ○	Future use.
Hold	Used to enter a pause in speed dial programming mode or to clear data in system programming mode.
Linekey ○	Flexible Line keys are used to specify a mode or submode when selecting a Memory Block or to select programming data for input.
Recall	Used to proceed to the **next** page in system programming.
Redial	This key is used to enter a pause, hyphen , asterisk and pound. To enter an asterisk or pound: Redial + ✳ = ✱ Recall + # = # The Message Waiting LED turns on and off after ✳ and # are pressed.
Speaker	Used to exit the programming mode (go back on-line).
Transfer	Used to write (save) data. After entering data press Transfer , the data is written into memory. The next Memory Block is displayed.

2.5.3 Entering Programming Mode

To program information in the system, the following digital Multiline Terminals can be used as programming stations. Two stations, ports 01 and 02, are automatically assigned as programming stations.

- ✆ DTU-16D-1A (BK)/(WH) TEL

- ✆ DTU-32D-1A (BK)/(WH) TEL

- ✆ ETW-16C-1A (BK)/(SW) TEL

- ✆ ETW-16D-1A (BK)/(SW) TEL

- ✆ ETW-24S-1A (BK)/(SW) TEL

New Zealand - ETW-type Telephones are unavailable.

To enter programming mode, the station must be off-line. To go off-line:

1. Press ⬡Feature .

2. Press ⬭Hold .

3. Dial ⊛ , ⓪OPER , and ⊛ in sequence. The Multiline Terminal LCD indicates program mode is now active.

| P R O G R A M   M O D E |
| T I M E   D I S P L A Y |

While off-line, the programming terminal cannot be signaled by any system station. Off-line mode does not timeout.

2.5.4 Page Switching

In Memory Block 1-1-18 (System Speed Dial Restriction by Tenant) tenant numbers 00~07 are assigned to Flexible Line keys on the first page. Tenant number 08~15 are assigned to the Flexible Line keys on the second page. The tenant number corresponding to Flexible Line key 1 of the current page is displayed on the right side of the display.

During system programming, a value (data) is assigned to each Flexible Line key. When there are more values than Flexible Line keys, value assignments are displayed on additional pages. The associated data can be entered on that page. The page number is displayed at the right side of the LCD.

Figure 1-3 Page Switching for 16-Key and 24-Key multiline Terminals shows an example of CO/PBX line keys on each page and their corresponding tenant numbers. In all cases each page is represented by eight line keys.

To navigate between pages, use ⌈Recall⌉ to access the **next** page and ⌈Feature⌉ to return to the **previous** page.

16-Key Multiline Terminal

24-Key Multiline Terminal

(Page 1)

LK 1	LK 2	LK 3	LK 4
00	01	02	03
LK 5	LK 6	LK 7	LK 8
04	05	06	07
LK 9	LK 10	LK 11	LK 12
08	09	10	11
LK 13	LK 14	LK 15	LK 16
12	13	14	15

**LCD Display:
00 to indicate Page 1**

(Page 1)

LK 1	LK 2	LK 3	LK 4	LK5	LK6
00	01	02	03	04	05
LK 7	LK 8	LK 9	LK 10	LK 11	LK 12
06	07	08	09	10	11
LK 13	LK 14	LK 15	LK 16	LK 17	LK 18
12	13	14	15	16	17
LK 19	LK 20	LK 21	LK 22	LK 23	LK 24
18	19	20	21	22	23

**LCD Display:
00 to indicate Page 1**

(Page 2)

LK 1	LK 2	LK 3	LK 4
08	09	10	11
LK 5	LK 6	LK 7	LK 8
12	13	14	15
LK 9	LK 10	LK 11	LK 12
16	17	18	19
LK 13	LK 14	LK 15	LK 16
20	21	22	23

**LCD Display:
08 to indicate Page 2**

(Page 2)

LK 1	LK 2	LK 3	LK 4	LK5	LK6
08	09	10	11	12	13
LK 9	LK 8	LK 9	LK 10	LK 11	LK 12
14	15	16	17	18	19
LK 13	LK 14	LK 15	LK 16	LK 17	LK 18
20	21	22	23	24	25
LK 19	LK 20	LK 21	LK 22	LK 23	LK 24
26	27	28	29	30	31

**LCD Display:
08 to indicate Page 2**

Figure 1-3   Page Display for 16-Key and 24-Key Multiline Terminals

Figure 1-4 Page Switching for Data Values shows an example of 10 data values. Values are displayed on two pages.

16-Key Multiline Terminal

(Page 1)

LK 1	LK 2	LK 3	LK 4
Data 1	Data 2	Data 3	Data 4
LK 5	LK 6	LK 7	LK 8
Data 5	Data 6	Data 7	Data 8

**LCD Display:
00 to indicate Page 1**

(Page 2)

LK 9	LK 10	LK 11	LK 12
Data 9	Data 10		
LK 13	LK 14	LK 15	LK 16

**LCD Display:
02 to indicate Page 2**

Figure 1-4   Page Switching for Data Values

2.5.5   Station Port Numbering Plan

Some memory blocks require entering a 2-digit port number. The Xen Master and Xen Axis systems support 32 and 120 station ports respectively. Programming values for entry of Port Assignments are defined below:

Port Assignments	Programming Value
01~99	01~99
100~109	A0~A9
110~119	B0~B9
120	C0

To enter an A, B, or C, press ⌐Redial⌐ +1, 2, or 3.

SECTION 3
SYSTEM DATA LIST

The following table provides a complete list of Memory Blocks that are available in the Xen system. The information is organized by mode, submode, and then numerically by Memory Block number. The Memory Block number and name, the default values, and programming values are provided for each Memory Block.

Table 1-3 System Data

LK 1   System Mode

LK 1 CO Line

Data No.	Memory Block Name	Default Value	Programming Values
00	Pause Time Selection	3 sec.	1 sec., 3 sec.
01	DP Interdigit Time Selection	Pattern B	Pattern A 10 pps: 650 ms 20 pps: 500 ms Pattern B 10 pps: 800 ms 20 pps: 800 ms
02	Hookflash Time Selection	100 ms.	20 ms., 40 ms., 60 ms., 80 ms., 100 ms., 140 ms., 160 ms., 200 ms. 400 ms., 600 ms., 800 ms., 1 sec., 1.5 sec., 2 sec., 3 sec., 5 sec.
03	Hold Recall Timer Selection (Non-Exclusive Hold)	60 sec.	25 sec., 45 sec., 60 sec., 90 sec., 120 sec., 180 sec., 240 sec., No Limit
04	Automatic Redial Time Selection	Calling Time = 30 sec Waiting Time = 60 sec Call Attempts = 2 times	Calling Time: 1~5 sec Waiting Time: 1~100 sec Call Attempts: 1~9 times (3 digit input)
05	Start Timer Selection	10 sec.	2 sec., 10 sec., 20 sec., 30 sec., 40 sec. , 50 sec., 60 sec., 70 sec.
06	CO/PBX Incoming Ringing Alarm Time Selection	No Limit	10 sec., 20 sec., 30 sec., No Limit
07	Tie Line Delay Ringing Timer Selection	No Limit	10 sec., 20 sec., 30 sec., No Limit
09	Manual Pause Selection	No	No, Yes
11	System Transfer/Camp-On Selection	Yes	No, Yes
12	Station Transfer/Camp-On Recall Timer Selection	60 sec.	25 sec., 45 sec., 60 sec., 90 sec., 120 sec., 180 sec., 240 sec., No Limit
13	CO Transfer Ring Pattern Selection	Pattern C	Tone Off, Tone On, Patterns A ~ H
14	CO Transfer Ring Tone Selection	Tone A	Tones A ~ H
18	System Speed Dial Restriction by Tenant	Not Restricted	LED On: Not Restricted LED Off: Restricted
19	Line Selection for Automatic Outgoing Calls		
20	DID Digit Length Selection	2 Digits	2, 3, or 4 digits
21	DID Digit Conversion Assignment	Yes	No, Yes

LK 1   System Mode

LK 1 CO Line (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
22	DID Digit Conversion Table & DNIS Assignment	Not Specified	Ext. No. (Up to 4 digits)
23	DID Forward Station Number for Undefined Digit	NON	NON, Ext. No.
24	PBX/CTX Access Code Assignment I	0–	Up to six digits (three numeric, three pauses)
25	PBX/CTX Access Code Assignment II	8–	Up to six digits (three numeric, three pauses)
27	Automatic Day/Night Mode Switching Time Assignment	Not Specified	Day/Night Mode Start Time (24 hours)
28	Distinctive Ringing by Telephone or CO Selection	Tel	Tel, CO
29	Private Line Assignment	Not Specified	CO/PBX Line Number, Tel Port Number, up to two lines
30	Route Advance Block Assignment	All Blocks 00 (Not Set)	Priority of Trunk Group Number
32	Automatic Day/Night Mode by Day of Week Selection	(Sunday ~ Saturday) = Pattern 1	Day/Night Automatic Switching Pattern 1, 2
33	Speed Dial Number/Name Display Selection	Dialled Number	Dialled Number, Name
34	Tie Line First Ring Pattern Selection	Pattern 3	Pattern 1, Pattern 2, Pattern 3, Pattern 4, ICM, Voice
35	Speed Dial Buffer Allocation	100 Memories	100 Memories, 1,000 Memories
37	Trunk Queuing Timeout Selection	10 sec.	10 sec., 20 sec., 30 sec., 60 sec.
46	Access Code (1-Digit) Assignment	Refer to Access Code (1-Digit) Assignment on page 1-68.	
47	Access Code (2-Digit) Assignment	Refer to Access Code (2-Digit) Assignment on page 1-73.	
48	Access Code (3-Digit) Assignment	All Dial 000 (Not Used)	Refer to Access Code (1-Digit) Assignment on page 1-68.
49	Networking Trunk Group/Route Advance Assignment	Not Specified	Trunk Group 01 ~ 32 or Route Advance Block 01 ~ 16
50	CO/PBX Outgoing Digit Add Assignment	Not Specified	10 digits max. (On 9, *, #)
51	CO Line Ringing Pattern Selection	RIng Pattern G	Pattern A ~ H, Nil
52	PBX Line Ringing Pattern Selection	Ring Pattern B	Pattern A ~ H, Nil
53	Tie Line Delay Ring Pattern Selection	Ring Pattern C	Pattern A ~ H, Nil
54	Automated Attendant Transfer Ring Pattern	Ring Pattern C	Pattern A ~ H, Nil
55	DID Line Ringing Pattern Selection	Ring Pattern C	Pattern A ~ H, Nil

LK 1   System Mode

LK 1 CO Line (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
57	CO/PBX Prepause Timer Selection	3 sec.	None, 1 sec. ~ 13 sec.
59	Synchronous Ringing Selection	Yes	Yes, No
60	8-Digit Matching Table Assignment	Refer to 8-Digit Matching Table Assignment on page 1-90.	
61	8-Digit Matching Table to Class Assignment	Refer to 8-Digit Matching Table Assignment on page 1-90.	
62	System Speed Dial Override by Class Selection	Override (YS)	No = No Override Yes = Override
63	Hold Recall Time Selection (Exclusive)	1 min.	0.5 min., 1 min., 1.5 min., 2 min., 3 min., 5 min., 8 min., No Limit
64	Attendant Add-On Console Transfer/ Camp-On Recall Timer Selection	1 min.	0.5 min., 1 min., 1.5 min., 2 min., 3 min., 5 min., 8 min., 10 min.
65	Code Restriction Class Allow/Deny Selection	Class 01 = Deny Class 02 ~ 14 Allow (YS)	Allow, Deny
66	8-Digit Matching Table to Normal Dial Assignment	Tables 00 ~ 15 = Used Table 15 = Unused	Used, Unused
67	OCC Table Assignment	Not Specified	0~9, *, X, P, N
68	8-Digit Matching Table to OCC Table Assignment	Table 00~15 = All Not Used Table 16 = 00~14 Not Used, 15 Used	8-digit Matching Table Used or Not Used
69	Tie Line Code Restriction Assignment	(YS) Restriction	No = No Restriction Yes = Restriction
70	Code Restriction Class Assignment when Lockout is Set	Class 01	Restriction Class: 00 ~ 15
71	First Delay Announcement Start Time Selection	20 sec.	0 sec., 10 sec., 20 sec., 30 sec., 40 sec., 50 sec., 60 sec.
72	First Delay Announcement Repeat Selection	1 Time	1, 2, 3, 4, 5, 6, 7, 8 times
73	First to Second Delay Announcement Interval Time Selection	20 sec.	0 sec., 10 sec., 20 sec., 30 sec., 40 sec., 50 sec., 60 sec., No Limit
74	Second Delay Announcement Repeat Selection	1 Time	1, 2, 3, 4, 5, 6, 7, 8 times
75	Second Delay Announcement Repeat Interval Time Selection	20 sec.	0 sec., 10 sec., 20 sec., 30 sec., 40 sec., 50 sec., 60 sec., No Limit
77	Delayed Ringing Timer Assignment (CO)	15 sec.	00 ~ 99
78	Caller ID Display Assignment for System Mode	Not Specified	Combination No = 1~5 Selectable Tel No = 1~20

LK 1   System Mode

LK 1   CO Line (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
79	BGM Port Assignment	Not Specified	CO No. (01~64)
80	ISDN DTMF Duration/Interdigit Time Selection	DD/IT = 100 ms/70 ms	DD/IT = 70/60 ms, 100/70 ms, 400/100 ms, 600/100 ms, 900/200 ms
81	ISDN Dial Interval Timer	8 sec.	2s, 4s, 8s, 16s, 32s
82	CO Feature Code Service for Code Restriction	Not Specified	10 Digits (0~9) x 10 Tables

LK 1   System Mode

LK 2   ICM

Data No.	Memory Block Name	Default Value	Programming Values
00	Internal Paging Timeout Selection	90 sec.	90 sec., 120 sec., No Limit
01	Intercom Call Voice/Tone Signal Selection	Tone	Tone, Voice
02	Automatic Callback Release Timer Selection	30 min.	30 sec., 1 min., 2 min., 3 min., 5 min., 10 min., 20 min., 30 min.
03	2-, 3-, or 4-Digit Station Number Selection	3-digit	2-digit, 3-digit, 4-digit
04	Call Arrival Key Block Assignment	Not specified	Tel Port No. Blocks (4 Ch Assign)
08	Specified Station Access Code Assignment	00 = 01 01 ~ 23 Not Set	Tel. Port Number
09~18	Customised Message 1~10 Assignment	09 = Don't Disturb 10 = Meeting 11 = Business Trip 12 = Not In 13 = With Guest 14 = Out of Office 15~18 = Not Specified	Maximum of 13 characters.\n\n(Refer to Section 7 Character Code Tables on page 1-442 for a list of characters.)
19	Intercom Ring Pattern Selection	Pattern B	Tone Off Tone On Patterns A~H
20	Intercom Ring Tone Selection	Tone A	Tones A~H
21	PHS Telephone Assignment	Not specified	NON, PHS, Tel No., Tel No.
22	Call Forward No Answer Timer Selection	8 sec.	4 sec., 8 sec., 12 sec., 18 sec., 24 sec., 30 sec., 60 sec.

LK 1   System Mode

LK 2 ICM (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
23	System Call Park Recall Time Selection	1 min.	0.5 min., 1.0 min., 1.5 min., 2.0 min., 3.0 min., 5.0 min., 8.0 min., 10.0 min.
24	Intercom Feature Access Code Assignment	Refer to Intercom Feature Access Code Assignment on page 1-130.	
25	Internal Paging Alert Tone Selection	Tone YS	Tone YS Tone No
26	Delayed Ringing Timer Assignment (ICM)	10 sec.	00~99
28	PS Out of Area Tone Selection	BT	BT (Busy), RBT (Ring Back)
30	PS Out of Area Timer Selection (BSU only)	12 sec.	00~99 sec.
31	Call Pickup Group - Direct	All Blank	0~9 groups. 30 Tel per group max.

LK 1   System Mode

LK 3 SLT

Data No.	Memory Block Name	Default Value	Programming Values
01	Bounce Protect Time Selection	300 ms.	Page 1:0 ms., 100 ms., 200 ms., 300 ms., 400 ms., 500 ms., 600 ms., 700 ms. Page 2:800 ms. 900 ms., 1000 ms., 1100 ms., 1200 ms., 1300 ms., 1400 ms., 1500 ms.
02	SLT Hookflash Signal Selection	Hold	Hold Flash
03	First Digit PBR Release Timer Selection	10 sec.	10 sec., 20 sec., 30 sec., 40 sec., 50 sec., 60 sec.
04	Dial 1 (DP) Hookflash Selection	Yes	Yes, No
05	Hookflash Start Time Selection	40 ms.	40 ms., 90 ms., 140 ms., 190 ms 240 ms., 290 ms., 340 ms., 390 ms., 440 ms., 490 ms. 540 ms., 590 ms., 640 ms., 690 ms., 740 ms., 790 ms.
06	Hookflash End Time Selection	HST + 100 ms.	Refer to Hookflash End Time Selection on page 1-142.
07	Voice Mail Digit Add Assignment	All Blank	0~9, *, # (up to 4 digits)

LK 1 System Mode

LK 3 SLT (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
08	Voice Mail DTMF Delay Timer Selection	1 sec.	0 sec., 1 sec., 2 sec., 3 sec., 4 sec., 5 sec., 6 sec., 8 sec.
09	Voice Mail Disconnect Time Selection	1.5 sec.	0.5 sec., 1 sec., 1.5 sec., 2 sec., 3 sec., 3.5 sec.
10	Voice Mail DTMF Duration/Interdigit Time Selection	110/80 ms.	60/70 ms., 110/80 ms., 410/100 ms., 610/100 ms., 810/190 ms.

LK 1 System Mode

LK 4 Transfer/Automated Attendant (A.A.)

Data No.	Memory Block Name	Default Value	Programming Values
00	Tandem Transfer Automatic Disconnect Timer Selection	1 hr.	30 min., 1 hr., 2 hr., 3 hr.
01	Automated Attendant First Digit PBR Release Timer Selection	10 sec.	5 sec., 10 sec., 20 sec., 30 sec., 40 sec., 50 sec., 60 sec.
02	Automated Attendant Transfer/DID Line - Delayed Ringing Time Selection	No Limit	10 sec., 20 sec., 30 sec., No Limit
03	Automated Attendant No Answer Disconnect Time Selection	2 min.	1 min., 2 min., 3 min., 4 min.
04	Tandem Transfer SMDR Print Extension Assignment	Tel No. 999	2-digit = 00 ~99 3-digit = 000 ~999 4-digit = 0000 ~9999
05	Automatic Tandem Trunk by Night Mode Selection	No	Yes, No
08	Automated Attendant PBR Timeout Response Selection	Normal Call	Normal Call, Release
09	Automated Attendant PBR Start Time Selection	FR	FR = Same Time as Greeting AF = After Greeting
11	Automated Attendant Message Day/ Night Mode Selection	No	Yes, No
12	Automated Attendant Message to Tenant Assignment	All Automated Attendant Messages: Tenant Number 00	LK01~08 Assigned to CO/PBX Lines 01~08
13	Automated Attendant Answer Delay Time Assignment	4 sec.	00~99 sec., per MSG 1~8
14	Automated Attendant Message Access Code (1-Digit) Assignment	Refer to Automated Attendant Message Access Code (1-Digit) Assignment on page 1-159.	

LK 1   System Mode

LK 4 Transfer/Automated Attendant (A.A.) (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
15	Automated Attendant Message Access Code (2-Digit) Assignment	Refer to Automated Attendant Message Access Code (2-Digit) Assignment on page 1-161.	
16	Automated Attendant Message Repeat Selection	All Messages One Time	1, 2, 3, 4, 5, 6, 7, 8 times
17	Automated Attendant Delay Announcement Hold Tone Selection	RBT	RBT (Ringback) MOH (Music on Hold)
18	Automated Attendant Delay Announcement Assignment	Not specified	None, MSG 1, MSG 2, MSG 3, MSG 4, MSG 5, MSG 6, MSG 7, MSG 8
19	Automated Attendant 1st to 2nd Delay Announcement Interval Time Selection	4 minutes	0 sec., 10 sec., 20 sec., 30 sec., 1 min., 2 min., 3 min., 4 min., 5 min., 10 min., 20 min.
20	Automated Attendant Delay Announcement Disconnect Time Selection	30 seconds	0 sec., 10 sec., 20 sec., 30 sec., 1 min., 2 min., 3 min., 4 min., 5 min., 10 min., 20 min.
21	Automated Attendant Extension Number Assignment	Not Specified	Tel No. (Up to 4 digits) phantom number only (for each AA message 1~8)
22	Automated Attendant Direct Extension Ring or Ring Assignment	Not Specified	Tel No. (Up to 4 digits) real extension number or CAR (for each AA message 1~8)

LK 1   System Mode

LK 5 SMDR/LCR

Data No.	Memory Block Name	Default Value	Programming Values
02	SMDR Print Format	All	All, Mask Digits
13	Printer Connected Selection	No	No, PC, Printer
14	Outgoing Mode Selection	No	Yes, No
25	SMDR Valid Call Timer Assignment	00 = 0 sec.	00~99 sec. (input value) x 10 sec.
26	SMDR Incoming/Outgoing Print Selection	All	All, Outgoing, Incoming

LK 1   System Mode

LK 6 DSS

Data No.	Memory Block Name	Default Value	Programming Values
01	Attendant Add-On Console to Telephone Port Assignment	Refer to Attendant Add-On Console to Telephone Port Assignment on page 1-175.	
03	DSS Call Voice/Tone Signal Selection	Voice	Tone, Voice
05	Attendant Add-On Console Key Selection	Refer to Attendant Add-On Console Key Selection on page 1-177.	
08	Attendant Transfer Selection During Live Record	Yes	No, Yes

LK 1   System Mode

LK 7 ESP

Data No.	Memory Block Name	Default Value	Programming Values
00	Doorphone Assignment	No	No (Not Assign)/Yes (Assign)
01	Doorphone Display Time Selection	10 sec.	10 sec., 30 sec., 60 sec., 90 sec.
02	External Speaker Connection Selection	All Yes	No, Yes per Speakers (A~C)
03	External Paging Alert Zone Selection	Yes	Yes, No
04	Doorphone Ringing Pattern Selection	On	Off, On, A~H
05	Doorphone Ringing Frequency Selection	C	A~H
06	External Paging Timeout Selection	5.0 min.	0.5 min., 1 min., 1.5. min., 2 min., 3 min., 5 min., 8 min., No Limit
07	External Ring Relay Cycle Selection	Pattern 3	Pattern 1, 2, 3, 4, 5, 6, Continuous
08	External Speaker Chime Selection	Pre-Tone	Pre-Tone/Chime (Start)/ Chime (Both)
09	External Speaker Chime Start Time Selection	700 ms.	0~1500 msec = (Input value) x 100 msec

LK 1   System Mode

LK 8 PBR/Miscellaneous

Data No.	Memory Block Name	Default Value	Programming Values
01	SLT or Automated Attendant/DISA to PBR Selection	Off	Off = Single Line Telephone On = Automated Attendant/DISA

LK 1   System Mode

LK 8 PBR/Miscellaneous (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
02	PBR Receive Level Assignment for Automated Attendant/DISA	–46.0 dBm	–33 dBm ~ –48 dBm @ iDB Step
04	Time Display (12h/24h) Selection	12-hour Display	12-hour Display 24-hour Display
07	Class of Service (Attendant) Feature Selection 1	Refer to Class of Service (Attendant) Feature Selection 1 on page 1-194.	
08	Class of Service (Station) Feature Selection 2	Refer to Class of Service (Station) Feature Selection 2 on page 1-197.	
09	Music on Hold Pattern Selection	Pattern A	Pattern A, Pattern B
10	PBR Interdigit Release Timer Selection	7 sec.	3 sec., 4 sec., 5 sec., 6 sec., 7 sec., 8 sec., 9 sec., 10 sec.
11	System Refresh Timer Assignment	4 hr.	No Refresh, 4 hr., 8 hr., 12 hr., 24 hr.
12	VRS Message Recording Time Selection	15 sec./16 Messages	15 sec./16 Messages 30 sec./8 Messages 60 sec./4 Messages 120 sec./2 Messages
13	VRS Message Function Assignment	No Message	No Message Voice Prompt 1~2 1st and 2nd Delay Announce Day Mode A.A. 1~8 Night Mode A.A. 1~8 Weekend Mode A.A. 1~8
15	Tone Assignment	Tone A	Refer to Tone Assignment on page 1-208.
16	Voice Prompt to Tone Assignment	DT = VP1 CWT = VP2	Assign Voice Prompt 1 or 2 to Dial Tone and Call Waiting Tone
17	PC Programming Password Assignment	Class 1 All Blank	Class 1: ID No. Assign Up to 8 digits
18	Site Name Assignment	Blank	Up to 8 Digit
25	ACD/UCD Group Agent Assignment	Not Specified	Tel No. = Up to 32 Agents (ACD/UCD Group No 1~4)
26	Voice Mail Quick Transfer Master Hunt Number	Not Specified	Station No. 2 Digit = 00~99 3 Digit = 000~999 4 Digit = 0000~9999
27	Forced Account Code Length Assignment	4 Digits	1~13 Digits
29	SCD (Simplified Call Distribution) Pilot Number Assignment	Not Specified	Tel No. (up to 4 digit) for SCD Group No. 1~4
30	SCD Group Agent Assignment	Not Specified	Up to 32 Agents Divided (SCD Group No. 1~4)

LK 1   System Mode

LK 8 PBR/Miscellaneous (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
31	Hold Tone Source Selection	Internal	Internal or External
32	Hold Internal Tone Volume Selection	0 dB	0 dB, -6 dB
33	Master Clock Selection	Cabinet No. = 0 (No Assign)	Cabinet: 0~3 Slot: 1~8
35	COM Port Baud Rate Setting Assignment	COM 1: 38.4 Kbps COM 2: 4.8 Kbps COM 3: 4.8 Kbps COM 4: 9.6 Kbps	COM 1~4: 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 38.4 Kbps
36	COM Port Parity/Stop Bit Setting Assignment	COM 1~4: None/1	COM 1~4: None/1, None/2, Even/1, Odd/1
37	General Purpose Relay Assignment	No	Yes = Assigned, No = Not Assigned
38	Modem Port for Remote Programming Assignment	Not Specified	Station No. 2 Digit = 00~99 3 Digit = 000~999 4 Digit = 0000~9999
40	ACD Hunt Timer	10 sec.	10 sec., 20 sec., 30 sec., 60 sec., 120 sec., 240 sec., No Limit.
47	CAR for Voice Mail Message Notice Assignment	Not Specified	Any unused CAR

LK 1   System Mode

LK 9 DISA

Data No.	Memory Block Name	Default Value	Programming Values
00	DISA/ID Code Assignment	Refer to DISA/ID Code Assignment on page 1-229.	
02	DISA/ID Password Effect/Invalid Selection	DISA Password Effect (Yes)	DISA Password Invalid (No) DISA Password Effect (Yes)

LK 1   System Mode

LK 11 (Not Used)

LK 1   System Mode

LK 12 ACD/UCD

Data No.	Memory Block Name	Default Value	Programming Values
00	ACD/UCD Group Pilot Number Assignment	Not Specified	Tel No. (Up to 4 digits) (for each ACD/UCD Group No. 1~4)
01	ACD/UCD Group Overflow Destination Assignment	Not Specified	Tel No. (Up to 4 digits) (for each ACD/UCD Group No. 1~4)
02	ACD/UCD Overflow Timer Selection	60 sec.	∞, 10 sec., 20 sec., 30 sec., 60 sec., 120 sec., 180 sec., 240 sec. (for each ACD/UCD Group No. 1~4)

LK 1   System Mode

LK 13 PRI/ISDN

Data No.	Memory Block Name	Default Value	Programming Values
00	PRI ISDN Channel Number Selection	Refer to PRI ISDN Channel Number Selection on page 1-239.	0, 4, 8, 12, 16, 20, 24, 28, 32
05	PRT B-Channel Map Assignment		

LK 1   System Mode

LK 14 Automatic Route Selection

Data No.	Memory Block Name	Default Value	Programming Values
00	ACR Feature Allow/Deny Selection	No	Yes (Allow), No (Deny)
01	ACR Dialling Assignment	None	Table No. 1~4 Dial No. 01~C8 Setting Data (8 digit Max) including 0~9), *, #, X (0~9), *, #), P (0 or 1), or N (2~9)
02	ACR Dialled Number Dial Allow/Deny Selection	Yes	Yes (Allow), No (Deny)
03	ACR Route Table Number Assignment	00	Table No. 1~4 Dial No. 01~C8 Routes 01~32
04	ACR Trunk Group to Route Number Assignment	Normal	Normal, TKGP 01~32, ICM
05	ACR Digit Delete Assignment	00	00~10 Digits
06	ACR Digit Add Assignment	Not specified	Up to 10 digits using 0~9, *, #

LK 2   Tenant Mode

Data No.	Memory Block Name	Default Value	Programming Values
01	Trunk to Tenant Assignment	Refer to Trunk to Tenant Assignment on page 1-253.	
05	Line Key Selection	Telephone Mode	Telephone Mode Tenant-Wide Mode
06	Line Key Selection for Tenant Mode	Refer to Line Key Selection for Tenant Mode on page 1-256.	
07	System Speed Dial Display Assignment	All Speed Dial Confirmation Allowed	No (Not Allowed) Yes (Allowed)
08	ECR Relay to Tenant Assignment	All Tenants - No Assignment	Assigned or Not Assigned - Ext Tone Relay 1~4 and Night Chime per Tenant
09	Dial-In Tenant Incoming Limit Assignment	No Limit = 0	00~47 tenants (each can be assigned a limit dependant on max. lines available)

LK 3   CO/PBX Line Mode

Data No.	Memory Block Name	Default Value	Programming Values
00	Trunk Name/Number Assignment	All Trunks = Blank (ASCII Entry)	Maximum of 13 characters/numbers
02	Trunk Status Selection	Out and In	Out and In In
03	Trunk-to-Trunk Group Assignment	Refer to Trunk-to-Trunk Group Assignment on page 1-265.	
04	Trunk-to-Trunk Transfer Yes/No Selection	Yes	No, Yes
05	Trunk Incoming Answer Mode Selection	Normal	Normal Automatic Trunk-to-Trunk Transfer Automated Attendant/DISA
06	Automatic Tandem Trunk Assignment	Not Specified	CO 01~64
07	CO/PBX Ringing Variation Selection	Medium (M)	Low (L) Medium (M) High (H)
11	CO External Source Selection	Not Specified	Trunks 1~64
12	CO Hold Melody Selection (CO)	Not Specified	Trunks 1~64
14	Tie/DID Line Type Assignment	Immediate	Second Dial Tone Immediate Delayed Wink Start

LK 3   CO/PBX Line Mode (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
15	Trunk DTMF Duration/Interdigit Selection	60 ms/80 ms	60 ms. /70 ms. 60 ms. /80 ms. 110 ms. /80 ms. 160 ms. /80 ms. 210 ms. /80 ms. 410 ms. /100 ms. 610 ms. /100 ms. 810 ms. /190 ms.
16	Tie Line Prepause Time Selection	0 sec.	0 sec., 0.5 sec., 1 sec., 1.5 sec., 2 sec., 3 sec., 4 sec., 5 sec., 6 sec., 7 sec., 8 sec., 9 sec., 10 sec., 11 sec., 12 sec., 13 sec.
17	Tie Line Answer Detect Time Selection	390 ms	0 ms., 130 ms., 260 ms., 390 ms., 520 ms., 650 ms., 780 ms., 910 ms., 1040 ms., 1170 ms., 1300 ms., 1430 ms., 1560 ms., 1690 ms., 1820 ms., 1950 ms.
18	Tie Line Release Detect Time Selection	260 ms	0 ms., 130 ms., 260 ms., 390 ms., 520 ms., 650 ms., 780 ms., 910 ms., 1040 ms., 1170 ms., 1300 ms., 1430 ms., 1560 ms., 1690 ms., 1820 ms., 1950 ms
19	Tie Line/CO/PBX Incoming Signal Detect Time Selection	Refer to Tie Line/CO/PBX Incoming Signal Detect Time Selection on page 1-278.	
20	Tie Line Loop Off-Guard Time Selection	2 sec.	0 sec., 0.5 sec., 1 sec., 1.5 sec., 2 sec., 3 sec., 4 sec., 5 sec., 6 sec., 7 sec., 8 sec., 9 sec., 10 sec., 11 sec., 12 sec., 13 sec.
21	Tie Line Length of Wink Signal Selection	180 ms.	30 ms., 60 ms., 90 ms., 120 ms., 150 ms., 180 ms., 210 ms., 240 ms., 270 ms., 300 ms., 330 ms., 360 ms., 390 ms., 420 ms., 450 ms., 480 ms.
22	Tie Line Length of Delay Signal Selection	300 ms.	0 ms., 300 ms., 600 ms., 900 ms., 1200 ms., 1500ms., 1800 ms., 2100 ms., 2400 ms., 2700 ms., 3000 ms., 3300 ms., 3600 ms., 3900 ms., 4200 ms., 4500 ms.
24	Tie Line Incoming Interdigit Timeout Selection	11 sec.	1 sec., 2 sec., 3 sec., 4 sec., 5 sec., 6 sec., 7 sec., 8 sec., 9 sec., 10 sec., 11 sec., 12 sec., 13 sec, 14 sec., 15 sec., No Limit
25	Tie Line Wink/Delay Signal Detect Timeout Selection	7 sec.	1 sec., 2 sec., 3 sec., 4 sec., 5 sec., 6 sec., 7 sec., 8 sec., 9 sec., 10 sec., 11 sec., 12 sec., 13 sec, 14 sec., 15 sec., No Limit
27	Tie Line Dial Tone Selection	No	Yes, No
28	Tie Line Reorder Tone Selection	Sending (Yes)	Sending (Yes) Not Sending (No)

LK 3   CO/PBX Line Mode (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
29	Trunk Internal Transmit Pad Selection	2 dB	2 dB, 4 dB, 6 dB, 8 dB, 12 dB, 16 dB, 3 dB, -3 dB, 0 dB
30	Trunk Internal Receive Pad Selection	4 dB	2 dB, 4 dB, 6 dB, 8 dB, 12 dB, 16 dB, 3 dB, -3 dB, 0 dB
31	Trunk External Transmit Pad Selection	0 dB	2 dB, 4 dB, 6 dB, 8 dB, 12 dB, 16 dB, 3 dB, -3 dB, 0 dB
32	Trunk External Receive Pad Selection	0 dB	2 dB, 4 dB, 6 dB, 8 dB, 12 dB, 16 dB, 3 dB, -3 dB, 0 dB
33	Disconnect Recognition Time Selection	2.0 sec.	0 sec., .2 sec., .3 sec., .5 sec., .7 sec., .9 sec., 1.0 sec., 1.2 sec., 1.4 sec., 1.5 sec., 1.7 sec., 1.9 sec., 2.0 sec., 2.2 sec., 2.4 sec., 2.6 sec.
38	Automated Attendant Message to Trunk Selection	Message 1	Message 1~8
39	Automatic Release Selection	Yes	Yes, No
41	ACD/UCD Delay Announcement Assignment	Refer to ACD/UCD Delay Announcement Assignment on page 1-299.	
42	DIT Assignment	No Assignment	Station No.
43	ANA Assignment	No Assignment	Station No.
44	Caller ID Display Assignment for CO/PBX Line	Not Specified	Telephone Port 01~96
45	Live Recording Trunk Selection	No	No = No Live Recording Yes = Live Recording
52	ISDN Trunk Directory Number Assignment	Not Specified	Up to 13 digit per a CO/PBX Port No.
53	Caller Name Indication Selection	Trunk Name	No Indication, Caller No. Indication, Name Indication (by SPD), Trunk Name
59	Automated Attendant Function Selection	Normal	Normal, Delay Announcement
61	DIT Delay Answer Timer Selection	Trunks (1-64) = 0 sec.	0s, 5s, 10s, 20s, 30s, 40s, 50s, 60s
62	DIT Tenant Assignment	All CO/PBX Lines are set to tenant 00	Trunk (1-64) can be set to a tenant (00-47)
63	DIT Holiday Mode Enable	Holiday DIT = YES	NO, YES
64	DIT Night Mode Delay Answer Enable	Night DIT = NO	NO, YES
65	Hold Tone Automated Attendant Selection	All CO/PBX lines are set to "NON"	NON, MSG1, MSG2, MSG3, MSG4, MSG5, MSG6, MSG7, MSG8
67	CO Line Ringing Pattern Selection for CO/PBX Line Mode	— = NON	Pattern A~H

LK 3   CO/PBX Line Mode (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
90	Polarity Reverse Selection	CO/PBX/DID/TLI = No BRI/PRI = Yes	Yes, No
91	Trunk Type Selection	CO	CO PBX Tie DID CTX Assume 9
92	Trunk (Installed, DP/DTMF) Selection	MF	Nil DP 10 pps DP 20 pps DTMF

LK 4   Telephone Mode

Data No.	Memory Block Name	Default Value	Programming Values
01	CO/PBX Ring Assignment (Day Mode)	Refer to CO/PBX Ring Assignment (Day Mode) on page 1-321.	No Ring Immediate Ring Delayed Ring
02	CO/PBX Ring Assignment (Night Mode)	Refer to CO/PBX Ring Assignment (Night Mode) on page 1-323.	No Ring Immediate Ring Delayed Ring
03	Doorphone Chime Assignment (Day Mode)	Station Port 01 and 02 Chime (All Four Doorphones)	Station Port 01~120 Chime on a per Doorphone Basis
04	Doorphone Chime Assignment (Night Mode)	Station Port 01 and 02 Chime (All Four Doorphones)	Station Port 01~120 Chime on a per Doorphone Basis
05	Automatic Outgoing CO/PBX Line Selection	Tel Port (01-CO) = All Trunks (01-64) set to "YES"	NO, YES
07	Code Restriction Class Assignment (Day Mode)	All Stations Class 00	Class 00~15 per Station
08	Code Restriction Class Assignment (Night Mode)	All Stations Class 00	Class 00~15 per Station
09	Telephone to Tenant Assignment	All Telephones Tenant 00	Tenant Number 00~47
10	Station Number Assignment	Refer to Station Number Assignment on page 1-332.	
11	Ringing Line Preference Selection	Yes	No, Yes
12	Line Key Selection for Telephone Mode	Refer to Line Key Selection for Telephone Mode on page 1-334.	

LK 4   Telephone Mode (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
13	CO/PBX Busy Forward Station Assignment	Not Specified	Tel Port 01~96
14	Intercom Master Hunt Number Selection	No	No, Yes
15	Intercom Master Hunt Number Forward Assignment	All Telephones Not Specified	Station Number (2, 3, 4 Digit)
17	Station to Class of Service Feature Assignment	Refer to Station to Class of Service Feature Assignment on page 1-339.	
18	Station Name Assignment	All Blank	Up to six digits (characters)
19	Trunk Outgoing Restriction	Not Restricted	No = Not Restricted Yes = Restricted
23	Prime Line/Hot Line Assignment	Not Specified	Up to 10 digits (0~9, *, #)
24	SLT Hookflash Assignment	Hold	Hold Disconnect
26	DISA/ID Number Station Assignment	Refer to DISA/ID Number Station Assignment on page 1-345.	
28	Multilingual LCD Indication Selection	English	English Japanese
29	HFU Selection	Yes	No, Yes
30	Hold/Transfer Recall Display Selection	Yes	Yes, No
31	Receiving Internal/All Call Page Selection	Yes	Yes, No
32	Trunk Digit Restriction	00 (No Limit)	00 (No Limit), 01~99 Digit
35	Voice Mail/SLT Selection	No	Yes, No
36	Voice Prompt Selection	No	No, Yes
37	Extension Line Key Ring Assignment (Day Mode)	All Telephones: No Ring	No Ring Immediate Ring Delayed Ring
38	Extension Line Key Ring Assignment (Night Mode)	All Telephones: No Ring	No Ring Immediate Ring Delayed Ring
39	APR Ring Mode Assignment	Station Number (Only)	No Ring Station Number (Only) All Ring
40	LCR Class Selection	Class 0	Classes 0~4
41	SIE/CAR Ringing Line Preference Selection	Yes	Yes, No
42	Call Forward-Busy Immediately/Delay Selection	No	No = Immediately Yes = Delay

LK 4   Telephone Mode (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
43	Station to Call Appearance Block Assignment	All Stations Assigned Call Appearance Block 00	Call Appearance Block 00~47
44	Caller ID Preset Dial Outgoing CO Selection	Not Specified	Trunk Access Code 5 Digit
46	Live Record Auto Delete	No	Yes (Delete) No (Don't Delete)
47	ISDN Directory Number Selection		
49	Caller ID Display for CAR Key	Not Specified	Tel Port No. 01~120
50	Multiline Terminal Type Selection	16 Button Type	16 Button Type 24 Button Type
51	Off-Hook Ringing Selection	Yes	Yes, No
52	CO/PBX Answer Key Operation without Ringing Assignment (Day Mode)	YES (ALL Ports)	YES/NO
53	CO/PBX Answer Key Operation without Ringing Assignment (Night Mode)	NO (ALL Ports)	YES/NO
55	CO Ringing Pattern Selection for Telephone Mode	— = NON (All Ports)	PATTERN: NON, A~H
56	Immediate Print-Out Selection for Telephone	YES (ALL Ports)	YES, NO
57	CO Line Ringing Pattern by Telephone or CO Selection	CO	CO, TEL
58	Automated Attendant DID Assignment	NON	NON, AA1, AA2, AA3, AA4, AA5, AA6, AA7, AA8
59	APR Hookflash Selection		
61	Station Name/Number Display Selection		
62	ISDN Extension-based Caller ID Assignment		
64	Code Restriction Class Assignment CFVA Restricted Tel/Day Mode	Tel 01~120, Class 15	00 (Class 0) - 15 (Class 15)
65	Code Restriction Class Assignment CFVA Restricted Tel/Night Mode	Tel 01~120, Class 15	00 (Class 0) - 15 (Class 15)
90	SLT Data Line Security Assignment	SLT Normal	SLT Normal, SLT Data
91	Telephone Ringing Variation Selection	Medium (M)	Low (L) Medium (M) High (H)
92	Receiving Volume Selection	Down	Down, Up

LK 4   Telephone Mode (Continued)

Data No.	Memory Block Name	Default Value	Programming Values
93	Internal Zone Paging Selection	No	No Zone A Zone B Zone C
94	3-Minute Alarm Selection	No	No, Yes
95	DTMF/DP SLT Type Selection	DTMF	DP, DTMF
96	*??? 95 is last data no. (17/01/03) ???*		

LK 5   Trunk Group Mode

Data No.	Memory Block Name	Default Value	Programming Values
00	Digit Add/Del for Tie Line Networking	No Add and Delete = 000	Delete up to two digits Add up to two digits
01	Tie Line Networking Tandem Connection Assignment	All Trunk Groups = Yes	On = Yes (Enabled) Off = No (Disabled)
02	8-Digit Matching Table to Trunk Group Assignment	Enabled	On = Use (Enabled) Off = Not Used (Disabled)
03	OCC Table to Trunk Group Assignment	Use All Tables	On - Use (Enabled) Off = Not Used (Disabled)

LK 6   Copy Mode

Data No.	Memory Block Name	Default Value	Programming Values
2	Tenant Mode Copy Assignment	N/A	Tenant 00~47
3	CO Line Mode Copy Assignment	N/A	Tenant 01~64
4	Telephone Mode Copy Assignment	N/A	Tenant 01~120
5	Trunk Group Mode Copy Assignment	N/A	Tenant 01~32

LK 7   ETU Mode

Data No.	Memory Block Name	Default Value	Programming Values
1	Card Interface Slot Assignment	Refer to Card Interface Slot Assignment on page 1-403..	
2	Telephone Type Assignment	Telephone	NON Telephone DSS Console SLT Adapter Digital Voice Mail
3-00	MIF (ACD) Assignment	No Assignment (00)	00~02 (MIFA PKG Assigned Port No.
3-01	MIF (LCR) Assignment	No Assignment (00)	00~02 (MIFM PKG Assigned Port No.
3-02	MIF (SMDR) Assignment	No Assignment (00)	00~02 (MIFM PKG Assigned Port No.
3-03	MIF (UCD) Assignment	No Assignment (00)	00~02 (MIFM PKG Assigned Port No.
3-04	MIF (Caller ID) Assignment	No Assignment (00)	00~02 (MIFM PKG Assigned Port No.

LK 8   Special Mode

Data No.	Memory Block Name	Default Value	Programming Values
1	ROM Version Confirmation	Refer to ROM Version Confirmation on page 1-415.	
2	System Speed Dial Memory Clear	Refer to System Speed Dial Memory Clear on page 1-417.	
3	Station Speed Dial Memory Clear	Refer to Station Speed Dial Memory Clear on page 1-418.	
8-800	Second Initialisation	Refer to Second Initialisation on page 1-419.	
—	Clock/Calendar Setting	N/A	N/A

SECTION 4
PROGRAMMING
SYSTEM DATA

This section provides detailed instructions for programming individual Memory Blocks. The Memory Blocks are listed numerically. For each Memory Block, the following information is provided.

✆   **General Description** provides a brief explanation of the function of the Memory Block.

✆   **Display** represents the default information displayed in the Multiline Terminal LCD during programming.

✆   **Settings** (when applicable) provides the information that is entered using the line keys on the Multiline Terminal.

✆   **Programming Procedures** provides detailed procedures for programming the Memory Block.

✆   **Related Programming** (where applicable) provides a list of associated Memory Blocks that may need to be programmed.

✆   **Notes** provides additional information related to programming the Memory Block.

Pause Time Selection

General Description

A pause can be inserted between digits dialled on CO/PBX and Tie lines. Use this Memory Block to specify the length of the pause.

Display

```
  Data                                        Setting
  No.           Title                          Data
┌──┐  ┌──────────────┐              ┌──────────────┐
0 0 : P A U S E              3 . 0 s

          T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
1 sec.	3 sec.		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⓪ ⓪ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-09	Manual Pause Selection
1-1-24	PBX/CTX Access Code Assignment I
1-1-25	PBX/CTX Access Code Assignment II
3-90	Trunk Type Selection

1. A pause is automatically inserted following a behind CO/PBX Access Code (e.g., 9) by programming CO/PBX lines as PBX in Memory Block 3-90 Trunk Type Selection and 1-1-24/ 1-1-25 (PBX/CTX Access Code Assignments I/II).

2. Manual pauses can be stored for use when dialling outside lines by the Last Number Redial or Save/Store and Repeat features when Memory Block 1-1-09 Manual Pause Selection, is programmed.

3. Pauses can be stored as part of System and Station Speed Dial buffers when needed.

DP Interdigit Time Selection

General Description

The DP Interdigit Time is the minimum pause time interval between Dial Pulse dialling. Use this Memory Block to Select either Pattern A or Pattern B

New Zealand - DP for COI/D is not allowed.

Display

Data No.	Title	Setting Data

0 1 : D P I N T E R	B
T I M E D I S P L A Y	

Settings

LK 1	LK 2	LK 3	LK 4
Pattern A	Pattern B		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures
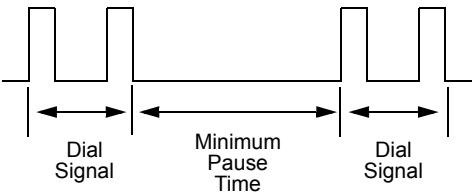
1	Go off-line.
2	Press LK1 + LK1 + (0 OPER) (1) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.

DP Dial Data	10 pps	20 pps
Pattern A	650 ms.	500 ms.
Pattern B	800 ms.	800 ms.

Dial Signal — Minimum Pause Time — Dial Signal

4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Use this Memory Block when CO/PBX or Tie lines are assigned in Memory Block 3-91 Trunk (Installed, DP/DTMF) Selection, to send Dial Pulse signalling.

Hookflash Time Selection

System Mode
1
Submode
1
Data No.
02
PC Programming
Alt **+BCM**

General Description

Use this Memory Block to specify the loop open time for a hookflash signal sent to the CO or PBX when the Recall key on a Multiline Terminal is pressed. A Single Line Telephone (SLT) generates a hookflash to the CO or PBX line when a Single Line Telephone hookflash is assigned.

Display

Data No.	Title	Setting Data	Page No.

```
0 2 : F L S H   1 0 0 m s        1
      T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
20 ms.	40 ms.	60 ms.	80 ms.
LK 5	LK 6	LK 7	LK 8
100 ms.	140 ms.	160 ms.	200 ms.

(Page 2)   The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
400 ms.	**600 ms.**	800 ms.	1 sec.
LK 5	LK 6	LK 7	LK 8
1.5 sec.	2 sec.	3 sec.	5 sec.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (0 OPER) (2 ABC) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. **Note:** Use the following to enter data: (Recall) to go to the next page (Feature) to go to the previous page
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-3-02	SLT Hookflash Signal Selection
4-24	SLT Hookflash Assignment

1. A 1- or 2-digit Access Code can be assigned in Memory Block 1-1-46 Access Code (1-Digit) Assignment and Memory Block 1-1-47 Access Code (2-Digit) Assignment, for Single Line Telephones to send a hookflash signal on a CO/PBX line (default: 6 #).

2. A hookflash from a Single Line Telephone puts an existing call on hold or sends a hookflash signal on the CO/PBX line.

Hold Recall Timer Selection (Non-Exclusive Hold)

System Mode
1
Submode
1
Data No.
03
PC Programming
Alt +BM

General Description

Use this Memory Block to specify the time a Non-Exclusive Hold outside call is held until a recall tone is generated. If No Limit is selected, the hold recall alarm tone is not generated.

Display

Data No.	Title	Setting Data

```
0 3 : H O L D   R E C L   6 0 s
      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
25 sec.	45 sec.	60 sec.	90 sec.
LK 5	LK 6	LK 7	LK 8
120 sec.	180 sec.	240 sec.	No Limit

The shaded area indicates the default setting.

Related Programming

M.B. Number	Memory Block Name
1-1-63	Hold Recall Time Selection (Exclusive)
1-2-23	System Call Park Recall Time Selection

1. Calls put on Exclusive Hold, recall using the data selected in Memory Block 1-1-63 Hold Recall Time Selection (Exclusive).
2. Calls placed on hold on Call Appearance keys, recall using this Memory Block.
3. Calls parked in System Call Park locations recall using Memory Block 1-2-23 System Call Park Recall Time Selection.

Automatic Redial Time Selection

System Mode
1
Submode
1
Data No.
04
PC Programming
Alt +BM

General Description

If a called party is busy, the station user dials an Access Code and restores the handset. Use this Memory Block to define the redial timing parameters when automatic redial is set to a busy CO/PBX number. After the specified number of call attempts with no answer, the system stops dialling.

Display

Data No.	Title	Table	Setting Data

```
0 4 : R E D I A L ( X )      0 3 0
        T I M E    D I S P L A Y
```

X = 1, 2, 3

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⓪ ④ to access the Memory Block.

3 Use the dial pad to enter the Table Number and Setting Data.

Note: Use the following to enter data:
⊛ to move the cursor left
⌗ to move the cursor right

Setting Data (Allowed):

Table 1 (Calling Time): 001~050 sec.
Table 2 (Call Waiting Time): 001~100 sec.
Table 3 (Call Attempts): 001~009 times (3 digit input)

Note: 000 cannot be entered.

Default Values

Table No.	Description	Value
1	Calling Time	30 sec.
2	Call Waiting Time	60 sec.
3	Call Attempts	2

4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. Definitions:

Calling Time: The time that the system automatically calls the busy CO/PBX number. After the specified time limit is reached, the call is abandoned.

Call Waiting Time: The time the system waits between call attempts.

Call Attempts: The number of times the system redials the busy CO/PBX number.

2. If Call Pickup Groups are assigned using Memory Block 4-09 Telephone to Tenant Assignment, the CO lines must be assigned to the same Tenant Group in Memory Block 2-01 Trunk to Tenant Assignment for this feature to work.

Start Timer Selection

<table>
<tr><td>

System Mode
1
Submode
1
Data No.
05
PC Programming
Alt **+BM**

</td></tr>
</table>

General Description

Use this Memory Block to specify the time needed after dialling before the system starts the Elapsed Call Timer, SMDR Start Timer, and Talk Start Timer.

Display

Data No.	Title	Setting Data

```
0 5 : C A L L S T A R T   1 0 s
      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
10 sec.	20 sec.	30 sec.	40 sec.
LK 5	LK 6	LK 7	LK 8
50 sec.	60 sec.	70 sec.	2 sec.

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⓪ ⑤ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-5-25	SMDR Valid Call Timer Assignment

This timer is used for three different features with functions described below:

Elapsed Call Timer: The time needed after dialling until the Elapsed Call Timer is started and displayed on a Multiline Terminal.

SMDR Start Timer: The time needed after dialling until the SMDR Valid Call Timer is started. Refer to Memory Block 1-5-25 SMDR Valid Call Timer Assignment. For outgoing calls, both timers (SMDR Start Timer and SMDR Valid Call Timer Assignment) must elapse before a call record is generated.

Lines set as "YES" in Memory Block 3-71, as having Reversal on Answer, do not follow this Memory Block.

CO/PBX Incoming Ringing Alarm Time Selection

System Mode
1
Submode
1
Data No.
06
PC Programming
Alt+BM

General Description

Use this Memory Block to specify the time interval between the time a CO/PBX call is detected and the time the ringing tone changes to a higher pitch when the call is not answered. If No Limit is selected, the ringing tone does not change.

Display

Data No.	Title	Setting Data

```
0 6 : R I N G   A L M          ∞
      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
10 sec.	20 sec.	30 sec.	∞
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⓪ ⑥ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-07	Tie Line Delay Ringing Timer Selection
3-07	CO/PBX Ringing Variation Selection
4-01	CO/PBX Ring Assignment (Day Mode)
4-02	CO/PBX Ring Assignment (Night Mode)
4-62	Telephone Ringing Variation Selection

1. Memory Blocks 4-01 CO/PBX Ring Assignment (Day Mode) and 4-02 CO/PBX Ring Assignment (Night Mode) must be set to ring.
2. CO/PBX lines assigned for DIT/ANA do not activate this feature.
3. Tie/DID lines assigned for Delayed Ringing follow this assignment after the delayed ringing starts.
4. This feature uses the same ringing tone (Low, Medium, High) that can be selected in Memory Blocks 3-07 CO/PBX Ringing Variation Selection and 4-62 Telephone Ringing Variation Selection. If High is selected in those Memory Blocks, this feature does not function.
5. Select No Limit (∞) to disable this feature.

Tie Line Delay Ringing Timer Selection

General Description

A Tie line call ringing at a station can begin ringing at other preassigned stations if it is not answered in a predetermined time. This Memory Block defines the time, and CO/PBX Ringing Assignment defines the preassigned station.

Display

```
Data
No.              Title                    Setting
                                          Data

0 7 : T L    D L Y R N G          ∞

         T I M E    D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
10 sec.	20 sec.	30 sec.	∞
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⓪ ⑦ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-34	Tie Line First Ring Pattern Selection
4-01	CO/PBX Ring Assignment (Day Mode)
4-02	CO/PBX Ring Assignment (Night Mode)
4-12	Line Key Selection for Telephone Mode

Example:

Time Elapsed
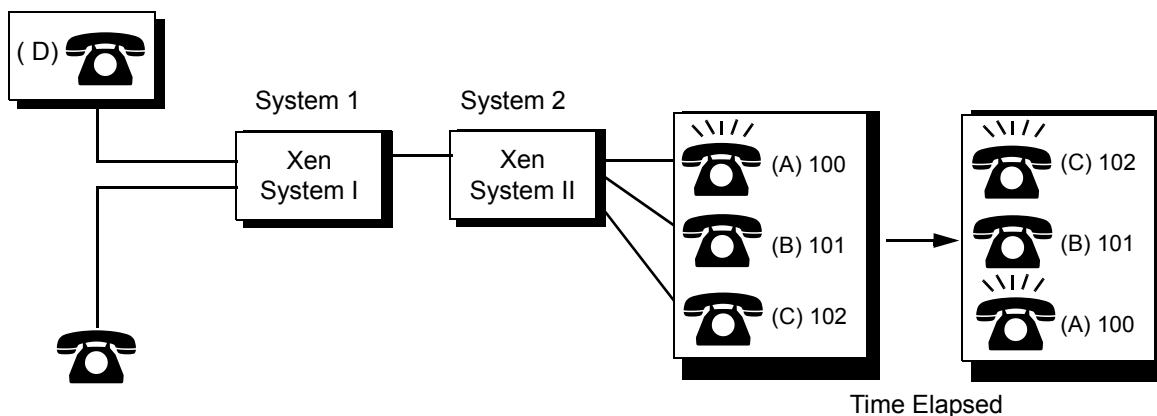
In this example, systems 1 and 2 are connected. Stations A (extension 100) and C (extension 102) are assigned to ring on the Tie line using Memory Blocks 4-01 CO/PBX Ring Assignment (Day Mode) and 4-02 CO/PBX Ring Assignment (Night Mode).

1. To speak to station user A, station user D dials extension 100.

2. In the example at station A:

 ✆   The ICM LED blinks and a ring tone that is different from the normal ringing tone is heard.

 ✆   The call can be answered by lifting the handset.

 ✆   Stations B and C users cannot answer the call by pressing the line key on the Multiline Terminals.

3. In the example, if station user A does not answer in the specified time:

 ✆   The ringing tone changes to the normal tone and station C starts ringing.

 ✆   Any station (A, B, or C) user can answer the call by pressing the flashing line key.

4. After the timeout, the system uses the Day and Night Ringing Assignment and rings the assigned station.

5. Selecting No Limit (∞) disables this feature.

Manual Pause Selection

General Description

Use this Memory Block to specify either Pause Insertion or Last Number Dialled/Speed Dial to be executed using the Redial key if it is pressed after one or more digits of a dialled number are entered.

Display

Data No.	Title	Setting Data

```
0 9 : M A N   P A U S E       N O
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (0 OPER) (9 WXYZ) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-00	Hookflash Time Selection

1. When a user seizes a CO/PBX line and dials the following sequence without a manual pause (this Memory Block is set to No),

   907 4000 + (Redial) + **12345**

   the system interprets the sequence as:

   9074000XXX345 (XXX = (Redial) and 12 are interpreted as Speed Dial buffer 12).

   When a user seizes a CO/PBX line and dials the following sequence with a manual pause (this Memory Block is set to Yes),

   907 4000 + (Redial) + **12345**

   the system interprets the sequence as:

   9074000XXX12345 (XXX = is interpreted as a pause).

2. The pause is inserted if Last Number Redial, Save and Repeat, or Store and Repeat is used to redial the number.

3. When this feature is allowed, Multiline Terminal users cannot use consecutive Speed Dial using (Redial) .

System Transfer/Camp-On Selection

General Description

Use this Memory Block to allow or deny (system-wide) station users the ability to perform a Ring Transfer or Station Camp-On. If allowed, Multiline Terminal users can perform a Ring Transfer by pressing the Transfer key.

Display

Data No.	Title	Setting Data

```
1 1 : R I N G   T R F       Y S
      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ① ① to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-12	Station Transfer/Camp-On Recall Timer Selection

Transfers or camp-ons from Attendant Add-On Consoles are also activated using this Memory Block.

Station Transfer/Camp-On Recall Time Selection

System Mode
1
Submode
1
Data No.
12
PC Programming
[Alt]+BM

General Description

Use this Memory Block to specify the time interval before a Ring Transfer or Station Camp-On from a station (without an Attendant Add-On Console) recalls back to the originating station when the call is not answered.

Display

Data No.	Title	Setting Data

```
1 2 : T R F   R E C L     6 0 s

    T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
25 sec.	45 sec.	60 sec.	90 sec.
LK 5	LK 6	LK 7	LK 8
120 sec.	180 sec.	240 sec.	No Limit

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ① ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-11	System Transfer/Camp-On Selection
1-6-05	Attendant Add-On Console Key Selection
1-8-08	Class of Service (Station) Feature Selection 2

When a station with an Attendant Add-On Console assigned to it transfers or camps on a call and the call goes unanswered, the call recalls using Memory Block 1-1-64 Attendant Add-On Console Transfer/Camp-On Recall Timer Selection.

CO Transfer Ring Pattern Selection

General Description

Use this Memory Block to select a Ring Pattern when CO transfers are made.

Display

```
     Data
     No.                Title              Setting  Page
                                            Data    No.

     1 3 : C O T   P T N        C | 1

     T I M E   D I S P L A Y
```

System Mode
1
Submode
1
Data No.
13
PC Programming
[Alt] **+BCS**

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Tone Off	Tone On	Pattern A	Pattern B
LK 5	**LK 6**	**LK 7**	**LK 8**
Pattern C	Pattern D	Pattern E	Pattern F

(Page 2)   The shaded area indicates the default setting

LK 1	LK 2	LK 3	LK 4
Pattern G	Pattern H		
LK 5	LK 6	LK 7	LK 8

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ①③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. **Note:** Use the following to enter data: [Recall] to access the next page [Feature] to access the previous page.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-14	CO Transfer Ring Tone Selection

The Ring Patterns are shown in the table below:
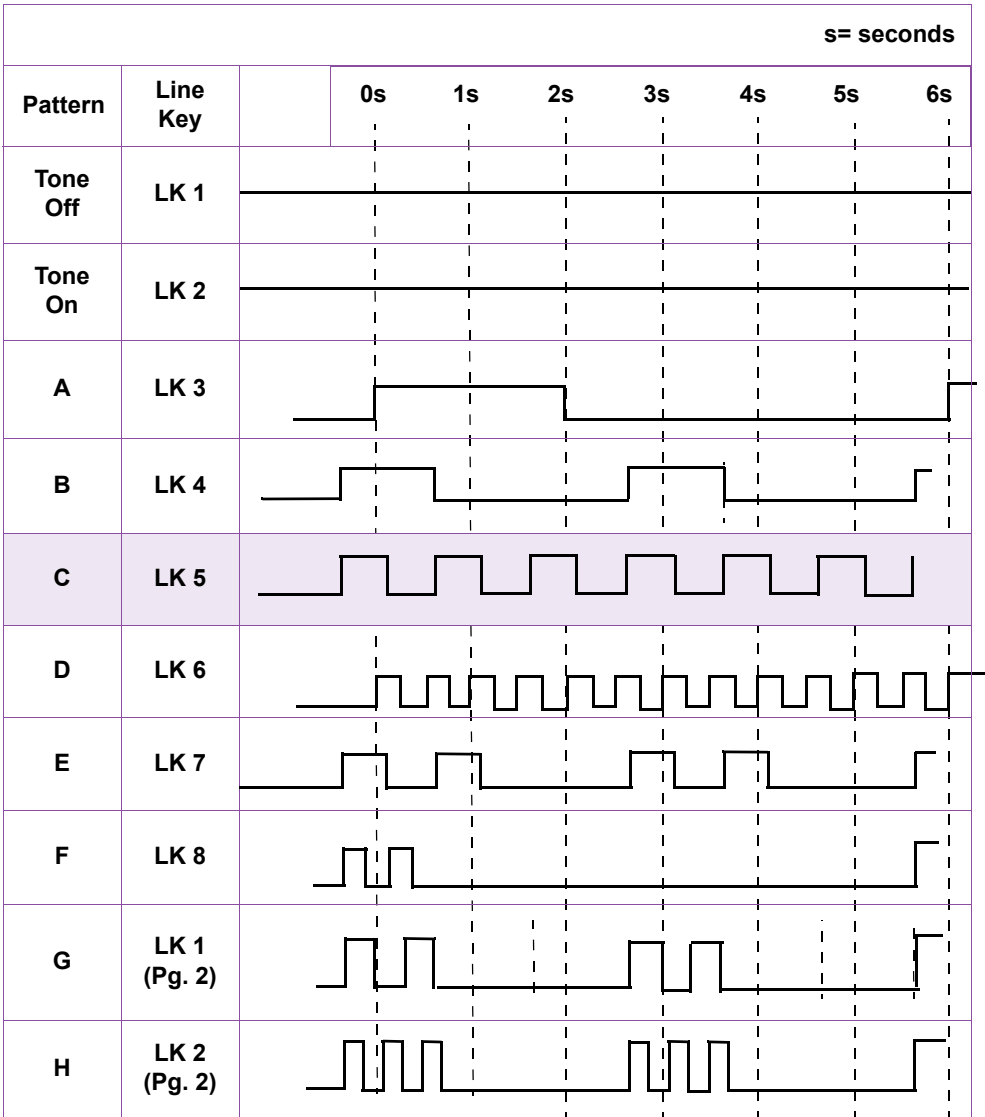
			0s	1s	2s	3s	4s	5s	6s
								s= seconds	
Pattern	**Line Key**								
Tone Off	**LK 1**								
Tone On	**LK 2**								
A	**LK 3**								
B	**LK 4**								
C	**LK 5**								
D	**LK 6**								
E	**LK 7**								
F	**LK 8**								
G	**LK 1 (Pg. 2)**								
H	**LK 2 (Pg. 2)**								

CO Transfer Ring Tone Selection

System Mode
1
Submode
1
Data No.
14
PC Programming
Alt **+ BCS**

General Description

Use this Memory Block to select a ring tone for CO transfers.

Display

```
Data
No.                    Title              Setting
                                          Data

1 4 : C O T R F   T O N E   A

    T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Tone A	Tone B	Tone C	Tone D
LK 5	LK 6	LK 7	LK 8
Tone E	Tone F	Tone G	Tone H

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ① ④ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. The available tones are:
<table><tr><th>Tone</th><th>Frequency</th></tr><tr><td>Tone A</td><td>480/600 (Modulation - 16 Hz)</td></tr><tr><td>Tone B</td><td>480/606 (Modulation - 8 Hz)</td></tr><tr><td>Tone C</td><td>1024/1285</td></tr><tr><td>Tone D</td><td>1024</td></tr><tr><td>Tone E</td><td>500</td></tr><tr><td>Tone F</td><td>1024/1285 (Modulation - 16 Hz)</td></tr><tr><td>Tone G</td><td>600/700 (Modulation - 16 Hz)</td></tr><tr><td>Tone H</td><td>1024 (Envelope - 2 sec.)</td></tr></table>
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-13	Station Transfer/Camp-On Recall Timer Selection

System Speed Dial Restriction by Tenant

System Mode **1**
Submode **1**
Data No. **18**
PC Programming Alt **+AC**

General Description

Use this Memory Block to specify whether or not System Speed Dial is restricted for each tenant.

Display

	Data No.	Title	Speed Dial Buffer No.	Starting Tenant No. Groups of 8

```
1 8 : S P E E D ( 0 X )    | 0 0
      T I M E   D I S P L A Y
```

Settings

(Page 1) Tenants 00~07

LK 1	LK 2	LK 3	LK 4
00	01	02	03
LK 5	LK 6	LK 7	LK 8
04	05	06	07

(Page 2) Tenants 08~15

LK 1	LK 2	LK 3	LK 4
08	09	10	11
LK 5	LK 6	LK 7	LK 8
12	13	14	15

(Page 3) Tenants 16~23

LK 1	LK 2	LK 3	LK 4
16	17	18	19
LK 5	LK 6	LK 7	LK 8
20	21	22	23

(Page 4) Tenants 24~31

LK 1	LK 2	LK 3	LK 4
24	25	26	27
LK 5	LK 6	LK 7	LK 8
28	29	30	31

(Page 5) Tenants 32~39

LK 1	LK 2	LK 3	LK 4
32	33	34	35
LK 5	LK 6	LK 7	LK 8
36	37	38	39

(Page 6) Tenants 40~47

LK 1	LK 2	LK 3	LK 4
40	41	42	43
LK 5	LK 6	LK 7	LK 8
44	45	46	47

Six pages are available to access the Tenant Numbers. Tenant Numbers 00~47 correspond to the line keys listed in the table to the left.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ① ⑧ to access the Memory Block.

3	Press the corresponding CO/PBX line key to change the tenant number. Speed Dial buffers have nine groups. These groups are listed in the table below.

Default Values

All System Speed Dial buffers can be dialled from any tenant.

Speed Dial Buffer No.	Speed Dial Number	
	80 Codes	1000 Codes
0X	00~09	000~099
1X	10~19	100~199
∿	∿	∿
6X	60~69	600~699
7X	70~79	700~799
8X	N/A	800~899

X = Any digit 0~9

Note: Use the following to enter data:

* to move the cursor left
# to move the cursor right
⓪ ~ ⑨ to enter numeric data
Recall to move to the next page
Feature to move to the previous page

Each time a CO/PBX line key is pressed, the LED toggles between On and Off.

CO/PBX Line LED	Off	On
Data	Restricted	Not restricted

4	After entering all pages for the selected Speed Dial Buffer No., press Transfer to write the data. The next Speed Dial Buffer No. is displayed.
5	After entering data for all of the Speed Dial Buffer Nos., press Transfer to write the data for the last Speed Dial Buffer No. The next Memory Block is displayed.
6	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-33	Speed Dial Number/Name Display Selection
1-1-35	Speed Dial Buffer Allocation
4-09	Telephone to Tenant Assignment

1. One or more tenants can be enabled to use each group.
2. Use this Memory Block to assign which tenants use each group.
3. When speed dial is set to 1000, 900~999 cannot be restricted.
4. The X in each Speed Dial Buffer No. is displayed even if it is not entered.
5. In Memory Block 1-1-18 System Speed Dial Restriction by Tenant, tenant numbers 00~07 are assigned to Flexible Line keys on the first page. Tenant numbers 08~15 are assigned to the Flexible Line keys on the second page. The tenant number corresponding to Flexible Line key 1 of the current page is displayed on the right side of the display. In all cases, each page is represented by eight line keys.

Line Selection for Automatic Outgoing Calls

System Mode
1
Submode
1
Data No.
19
PC Programming
Alt +**BO**

General Description

Use this Memory Block to specify which trunks will be used when a call is made using the Code Restriction Password Override Feature.

Display

Data No.	Title		Setting Data

```
1 9 : O G          = T G   0 1
      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
NON	CO B	PBX	TIE
LK 5	LK 6	LK 7	LK 8
TG XX	RAB XX		

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑦ ⑨ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1.   Requires System Software version 5.0 or higher.

DID Digit Length Selection

General Description

This Memory Block defines the Direct Inward Dialling (DID) digit length in Memory Block 1-1-22.

Display

```
Data                                              Setting
No.                Title                           Data

2 0 : D I D   D G T                2

        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + (2) (0) to access the Memory Block.	
3	Enter the data using the dial pad.	**Default Values**
	Note: Use the following to enter data:	2
	(∗) to move the cursor left	
	(#) to move the cursor right	
	(0) ~ (9) to enter numeric data 2, 3, or 4	
	Redial to insert a pause	
	Hold to clear all data	
4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-1-21	DID Digit Conversion Assignment
1-1-22	DID Digit Conversion Table & DNIS Assignment
1-1-23	DID Forward Station Number for Undefined Digit

DID Digit Conversion Assignment

System Mode
1
Submode
1
Data No.
21
PC Programming
Alt +**ALN**

General Description

Use this Memory Block to enable the DID Digit Conversion Table & DNIS Assignment, Memory Block 1-1-22, for each number. If No is assigned here, only Memory Block 5-00 has an impact on incoming DID numbers. If Yes is assigned here, incoming DID numbers can be modified completely for each number.

Display

```
   Data
   No.              Title                Setting
                                         Data


   2 1 : D I D    C N V          Y S

        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + ② ⑦ to access the Memory Block.	
3	Enter the data using the Line key.	**Default Values** NO
4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-1-20	DID Digit Length Selection
1-1-22	DID Digit Conversion Table & DNIS Assignment
1-1-23	DID Forward Station Number for Undefined Digit

DID Digit Conversion Table & DNIS Assignment

System Mode
1
Submode
1
Data No.
22
PC Programming
[Alt]**+ALN**

General Description

Up to 200 incoming DID numbers can be assigned individually to ring at preassigned extension numbers on a day mode and night mode basis. This Memory Block applies to the DID number after it is modified by Memory Block 5-00.

Display

```
        Data                Digits
        No.                 Received      Title    Destination

          2 2 :                       D Y = T


                        DNIS ASSIGNMENT
```
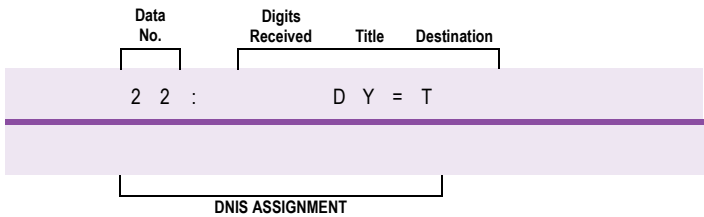
Settings

LK 1	LK 2	LK 3	LK 4
TEL=T	TENANT=TN (v2.xx or higher)		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Note: Version 1.xx and 2.xx shows the time in DNIS assignment area.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + ② ② to access the Memory Block.	

3	Enter the data using the dial pad.
	
	Note: Use the following to enter data:
	    ✱ to move the cursor left
	    # to move the cursor right
	    ⓪ ~ ⑨ to enter numeric data
	    (Recall) to change DNIS, then use ⓪ ~ ⑨ to enter an alphanumeric name for each indial number (name applies to both day and night mode). Refer to Table 1-7, "System Data Input," on page 444 for details on character entry.
	    (Redial) to change between Day and Night table
	    (Hold) to clear all data
		Default Values
		
		Setting Data
		TEL = LK1 = Extension No.00~99
		000~999
		0000~9999
		TENANT = LK2 = 00~47

4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-1-20	DID Digit Length Selection
1-1-21	DID Digit Conversion Assignment
1-1-23	DID Forward Station Number for Undefined Digit
4-01	CO/PBX Ring Assignment (Day Mode)
4-02	CO/PBX Ring Assignment (Night Mode)
4-09	Telephone to Tenant Assignment

1. LK1 - Call come in as direct indial (version 1.xx supports only LK1 setting).
2. LK2 - Calls will ring as a normal CO Ring and following Ring Assignment Day/Night.
3. Version 2 or higher of the software supports Tenant Mode.
4. Version 3 or higher of the software supports DNIS assignment.

DID Forward Station Number for Undefined Digit

General Description

This Memory Block is used when Memory Block 1-1-21 DID Digit Conversion Assignment is enabled. Undefined Digits are classified as in-dial numbers not listed in Memory Block 1-1-22 DID Digit Conversion Table & DNIS Assignment.

Display

Data No.	Title	Setting Data

```
2 3 : T R F   E X T = N O N

      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
NON	TEL	TENANT	
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + ② ③ to access the Memory Block.	
3	Enter the data using the dial pad. **Note:** Use the following to enter data: ⁎ to move the cursor left # to move the cursor right ⓪ ~ ⑨ to enter numeric data Redial to insert a pause Hold to clear all data	**Default Values** NON **Setting Data** Tel = Extension No. 00~99 000~999 0000~9999 TN = Tenant No. 00~47
4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-1-22	DID Digit Conversion Table & DNIS Assignment

1. MB 1-1-23 DID Forward Station Number for Undefined Digit is only used when MB 1-1-21 DID Digit Conversion Assignment is enabled (e.g. set to 'Y').

2. Call Forward Busy, Station Hunting or Call Alert Notification should be used to accommodate direct indial calls to busy stations.

PBX/CTX Access Code Assignment I

System Mode
1
Submode
1
Data No.
24
PC Programming
Alt +**BA**

General Description

Use this Memory Block to specify a PBX line PBX/CTX Access Code together with pauses for outgoing calls.

Display

Data No.	Title	Setting Data
2 4 : P B X A C		0

T I M E   D I S P L A Y

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ② ④ to access the Memory Block.
3	Enter the data using the dial pad. **Default Values** 0-
	Note: Use the following to enter data:
	✱ to move the cursor left
	# to move the cursor right
	⓪ ~ ⑨ to enter numeric data
	Redial to insert a pause
	Hold to clear all data
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-90	Trunk Type Selection

Example:

☎ ── Xen System ── PBX

Xen System Intercom Line   PBX Line   CO Line

1. Features such as Code Restriction do not operate properly unless a PBX/CTX Access Code is specified. This limitation applies to PBX lines assigned in Memory Block 3-90 Trunk Type Selection.
2. A pause is not inserted in the number of an outgoing call on a CO line.
3. Up to three numeric characters and three pauses can be specified.
4. A pause cannot be inserted as the first digit or as consecutive digits.
5. A -(dash) is the entry for pause.

PBX/CTX Access Code Assignment II

General Description

Use this Memory Block to specify a second PBX line PBX/CTX Access Code together with pauses for outgoing calls.

Display

Data No.	Title	Setting Data

```
2 5 : P B X   A C   8 -
      T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + ② ⑤ to access the Memory Block.	

3	Enter the option using the dial pad.
	Note: Use the following to enter data:
	  ✻ to move the cursor left
	  # to move the cursor right
	  ⓪ ~ ⑨ to enter numeric data
	  [Redial] to insert a pause (cannot be first digit)
	  [Hold] to clear all data
		Default Values
		8-

4	Press [Transfer] to write the data.	
5	Press [Speaker] to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
3-90	Trunk Type Selection

Example:

Xen System Intercom Line   PBX Line   Tie Line

1. Features such as Code Restriction do not operate properly unless a PBX/CTX Access Code is specified. This limitation only applies to PBX lines assigned in Memory Block 3-90 Trunk Type Selection.
2. A pause is not inserted in the number of an outgoing call on a CO line.
3. Up to three numeric characters and three pauses can be specified.
4. A pause cannot be inserted as the first or as consecutive digits.

Automatic Day/Night Mode Switching Time Assignment

System Mode
1
Submode
1
Data No.
27
PC Programming
Alt +BM

General Description

Use this Memory Block to assign Pattern 1 and Pattern 2 start times for automatically switching between Day Mode and Night Mode.

Display

Data No.	Pattern (1/2)	Day Mode Start Time Setting Data	Night Mode Start Time Setting Data

```
    2 7 : 1            :        ,        :
          T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ② ⑦ to access the Memory Block.
3	Enter the data using the dial pad. **Default Values** Not Specified
	Note: Use the following to enter data:
	※ to move the cursor left
	# to move the cursor right
	⓪ ~ ⑨ to enter numeric data
	Hold to clear all data when the cursor is in the Data No. position
4	Press Transfer to write the data. The switching time for pattern 2 is displayed.
5	Use the dial pad to change the time.
6	Press Transfer to write the data.
7	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-32	Automatic Day/Night Mode by Day of Week Selection
1-4-05	Automatic Tandem Trunk by Night Mode Selection
1-8-07	Class of Service (Attendant) Feature Selection 1
4-07	Code Restriction Class Assignment (Day Mode)
4-08	Code Restriction Class Assignment (Night Mode)
4-09	Telephone to Tenant Assignment
4-17	Station to Class of Service Feature Assignment
4-37	Extension Line Key Ring Assignment (Day Mode)
4-38	Extension Line Key Ring Assignment (Night Mode)

1. The start times for Day Mode or Night Mode can be specified in System Programming to automatically switch modes at the specified times.

2. A start time for Day Mode only or Night Mode only cannot be programmed.

3. Day Mode and Night Mode cannot be programmed to have the same start time.

4. The time is entered in 24-hour time only.

5. The first time input indicates when Day Mode starts. The second time input indicates when Night Mode starts.

6. Refer to Memory Block 1-1-32 Automatic Day/Night Mode by Day of Week Selection for selecting either Pattern 1 or Pattern 2 Day/Night Mode start times for each day of the week. Assigning each day of the week to either Pattern 1 or Pattern 2 allows Day/Night Mode start times for Monday through Friday to differ from Day/Night Mode start times for Saturday and Sunday.

Distinctive Ringing by Telephone or CO Selection

	System Mode **1** *Submode* **1** *Data No.* **28** *PC Programming* [Alt]**+BTS**

General Description

Use this Memory Block to assign distinctive ringing tone for each telephone or each CO/PBX line.

Display

Data No.	Title	Setting Data
2 8 : D S T R I N G		T E L
T I M E D I S P L A Y		

Settings

LK 1	LK 2	LK 3	LK 4
TEL	CO		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ② ⑧ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-07	CO/PBX Ringing Variation Selection
4-01	CO/PBX Ring Assignment (Day Mode)
4-02	CO/PBX Ring Assignment (Night Mode)
4-62	Telephone Ringing Variation Selection

1. TEL = Telephone Mode
   Ringing tone is specified in Memory Block 4-62 Telephone Ringing Variation Selection.
2. CO = CO/PBX Line Mode
   Ringing tone is specified for each CO/PBX line in Memory Block 3-07 CO/PBX Ringing Variation Selection.

Private Line Assignment

General Description

Use this Memory Block to assign an outside line for use as a private line. The private line cannot be seized by any other telephone, and no LED indication is provided to other terminals.

Display

	Data No.	Title	Combination No. (1/2)	CO No. (01~64)	Tel. Port No. (01~CO)
	2 9 :	P	1	C =	T =

TIME DISPLAY

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ②ABC ⑨WXYZ to access the Memory Block.
3	Enter the data using the dial pad.
	Note: Use the following to enter data:
	✱ to move the cursor left
	# to move the cursor right
	⓪OPER ~ ⑨WXYZ to enter numeric data
	Hold to clear all data when cursor is at CO No. or Tel. Port No.
4	Press Transfer to write the data. Data for the second line is displayed. Move the cursor to change the data.
5	Press Transfer to write the data.
6	Press Speaker to go back on-line.

Default Values

Not Specified

Related Programming

M.B. Number	Memory Block Name
2-06	Line Key Selection for Tenant Mode
4-12	Line Key Selection for Telephone Mode

1. Two private lines can be assigned to one station or one private line can be assigned to two stations.

2. A Single Line Telephone (SLT) user cannot dial the Trunk Group Access Code to access a private line. The Single Line Telephone user can access the line by dialling the specified Line Seizure Access Code assigned in Memory Blocks 1-1-46/ 1-1-47 Access Code (1-digit/2 -digit) Assignment (Function 063 or 064).

3. If a station is allowed Barge-In originate, and a second station is allowed Barge-In receive, Barge-In is not allowed on a private line unless both stations share the private line.

Route Advance Block Assignment

General Description

Use this Memory Block to assign priority levels (1~4) to each Trunk Group assigned in a Route Advance Block. The system has 16 blocks that can be specified. For main software version 6.0 and above, 32 blocks are allowed.

Display

Data No.	Title	Block No. (1~16)	Priority No. (1~4)	Setting Data

```
3 0 : R T   A D V 0 1 - 1 = 0 0
      T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ③ ⓪ to access the Memory Block.

3	Enter the data using the dial pad.	**Default Values**
	Note: Use the following to enter data:	All Blocks (00)

⁕ to move the cursor left

⌗ to move the cursor right

⓪ ~ ⑨ to enter numeric data

32 Blocks are allowed for main software version 6.0 and above.

Block No.	Priority No.	Setting Data
1	1	Trunk Groups 01~32
	2	Trunk Groups 01~32
	3	Trunk Groups 01~32
	4	Trunk Groups 01~32
≀	≀	≀
16	1	Trunk Groups 01~32
	2	Trunk Groups 01~32
	3	Trunk Groups 01~32
	4	Trunk Groups 01~32

4	Press Transfer to write the data. Data for the Priority Nos. 2~4 are displayed in succession.
5	After entering the data for Priority No. 4, press Transfer to write the data. Data for Priority 1 for the next Block No. is displayed.
6	After entering data for Block No. 16, press Transfer to write the data. The next Memory Block is displayed.
7	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-03	Trunk-to-Trunk Group Assignment

1. If 00 (Not Set) is programmed, no trunks are accessed for this priority setting.

2. If Route Advance Block Numbers are assigned and a line key is pressed or an Access Code is dialled, the system starts searching for an idle line in a specified group (beginning with the Trunk Group assigned priority 1).

3. If all CO/PBX lines are in use, the line with the next highest priority is seized.

4. Route Advance Block Number Access Codes are defined in Memory Block 1-1-46 Access Code (1-Digit) Assignment or Memory Block 1-1-47 Access Code (2-Digit) Assignment.

Automatic Day/Night Mode by Day of Week Selection

General Description

Use this Memory Block to select either Pattern 1 or Pattern 2 Day/Night Mode start times for each day of the week. Memory Block 1-1-27 Automatic Day/Night Mode Switching Time Assignment sets Day/Night Mode start times for Pattern 1 and Pattern 2 to switch the system between Day Mode and Night Mode.

Display

Data No.   Title

3 2 : D / N   B Y   D A Y
T I M E   D I S P L A Y

Settings

LK 1	LK 2	LK 3	LK 4
Sun	Mon	Tue	Wed
LK 5	LK 6	LK 7	LK 8
Thu	Fri	Sat	

There is no default setting.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + ③ ② to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option. Each time a CO/PBX line is pressed, the LED indication changes from Pattern 1 to Pattern 2.	**Default Values** Sunday ~ Saturday = Pattern 1

CO/PBX Line LED	Off	On
Data	Day/Night Automatic Switching Pattern 1	Day/Night Automatic Switching Pattern 2

4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-27	Automatic Day/Night Mode Switching Time Assignment
1-8-07	Class of Service (Attendant) Feature Selection 1
4-09	Telephone to Tenant Assignment
4-17	Station to Class of Service Feature Assignment

By designating two time settings in Memory Block 1-1-27 Automatic Day/Night Mode Switching Time Assignment, one of the two settings can be assigned to each day of the week.

For Example:

To specify Day/Night Mode automatic switching time for Monday ~ Friday, and Day/Night Mode automatic switching time 2 for Saturday and Sunday, press CO/PBX line keys 1 and 7.

Related Programming
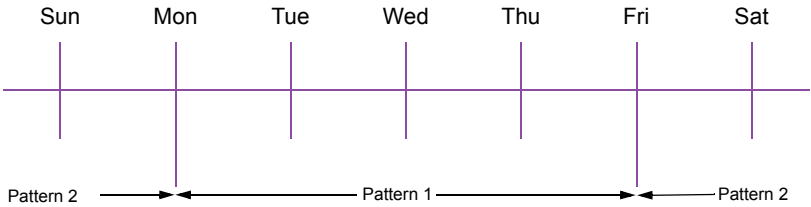
Sun	Mon	Tue	Wed	Thu	Fri	Sat

Pattern 2 ——→ ◄——— Pattern 1 ——————→ ◄— Pattern 2

Speed Dial Number/Name Display Selection

General Description

Use this Memory Block to specify whether the dialled number or name is displayed first on the LCD of the originating station when an outgoing call is made using Speed Dial.

Display

Data No.	Title	Setting Data	Title

```
3 3 :  S P D    D I A L    D I S P
      T I M E    D I S P L A Y
```
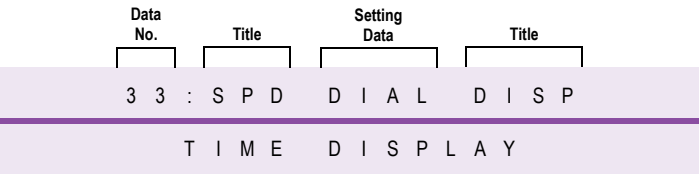
Settings

LK 1	LK 2	LK 3	LK 4
Dialled Number	Name		
LK 5	**LK 6**	**LK 7**	**LK 8**

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ③ ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-18	System Speed Dial Restriction by Tenant
1-1-35	Speed Dial Buffer Allocation

If a message (the name of the dialled party) is not entered, only the dialled number is displayed regardless of programming in the Memory Block.

Tie Line First Ring Pattern Selection

General Description

Use this Memory Block to set specific ringing tones for incoming calls on Tie lines. After a delay interval specified in Memory Block 1-1-07 Tie Line Delay Ringing Timer Selection, a Tie call can ring at all Day/Night ring-assigned telephones using a different cadence.

Display

	Data No.		Title		Setting Data	

```
3 4 : T L I   R N G     P A T 3
     T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Pattern 1	Pattern 2	Pattern 3	Pattern 4
LK 5	LK 6	LK 7	LK 8
ICM	Voice		

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ③ ④ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-07	Tie Line Delay Ringing Timer Selection
1-1-53	Tie Line Delay Ring Pattern Selection
4-01	CO/PBX Ring Assignment (Day Mode)
4-02	CO/PBX Ring Assignment (Night Mode)

1. Specify one pattern in the Ringing Pattern Selection Table.
2. If Voice is selected, switching from voice to tone is not allowed, Memory Block 1-1-07 is not used, and Handsfree Answerback is not allowed at the receiving station.

Ringing Pattern Selection

s= seconds

Pattern		0s	1s	2s	3s	4s	5s	6s
1								
2								
3								
4								
5		Same as Internal Ring						
6		Voice Announce						

Speed Dial Buffer Allocation

General Description
Use this Memory Block to specify either 100-memory or 1000-memory allocation.

Display

Data No.	Title	Setting Data

```
3 5 : S P D   A L L O       1 0 0

      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
100 Memories	1000 Memories		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ③ ⑤ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-18	System Speed Dial Restriction by Tenant
1-1-33	Speed Dial Number/Name Display Selection

1. The 100-memory option allows 80 System Speed Dial memories and 20 Station Speed Dial memories.
2. The 1000-memory option does not allow Station Speed Dial memories.

Trunk Queuing Timeout Selection

General Description

Use this Memory Block to specify the time that a station with Trunk Queue set rings, before the queue is automatically canceled.

Display

Data No.	Title	Setting Data

```
3 7 : T R U N K    Q U E    1 0 s
      T I M E    D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
10 sec.	20 sec.	30 sec.	60 sec.
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ③ ⑦ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

When all trunks in a particular Trunk Group are busy, the station user can dial an Access Code to queue on the busy Trunk Group. When a Trunk (in that group) becomes idle, the queued station is signalled.

Access Code (1-Digit) Assignment

System Mode
1
Submode
1
Data No.
46
PC Programming
[Alt]**+BA**

General Description

Use this Memory Block to assign a 1-digit number as an Access Code or station number.

Display

```
Data
No.        Title         Dial No. 0~9   Function
                            * #           No.

4 6 : 1 D G        ( 0 ) = 0 8 0

      T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ④ ⑥ to access the Memory Block.
3	Enter the options using the dial pad.

3 Enter the options using the dial pad.

Note: Use the following when entering data:
- ✱ to move the cursor left
- # to move the cursor right
- ⓪ ~ ⑨ to enter numeric data

Default Values

Dial No.	Function No.	Function Name
⓪	080	Outgoing CO in same Tenant
① ~ ③	001	Station Number
④ ~ ⑧	000	Not Used
⑨	176	Specified Station Access 00
✱	095	Speed Dial Call
#	096	Last Number Redial

4	Enter the Function Number for the Dial Number. Refer to the table on the following pages for a complete list.
5	Press (Transfer) to write the data. The next Access Code is displayed.
6	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-47	Access Code (2-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment

1. Select options from the list of function numbers in Memory Block 1-1-46 Access Code (1-Digit) Assignment, and assign a number (from 0~9), ✱, or **#** to each selected function.
   - When a function is assigned a 1-digit Access Code, 2-digit Access Codes with the same first digit become invalid (*i.e.*, if a function is assigned to Access Code 5, Access Codes 50~59, 5✱, and 5**#** cannot be used.)

2. To enter **#** or ✱ as part of an Access Code, press ⟨Redial⟩ then ⟨#⟩ or ⟨✱⟩ .

3. This Memory Block is used when a 2- or 3-Digit Station Numbering Plan is programmed.

4. LCR must always use trunk group 1 Access Code.

5. When 4 digit extension numbering plan is used dial numbers 1~8 should be assigned as 000 (not used).

   Assignment of extension number range is done in Memory Block 1-1-47, e.g. 1-1-46:

   0 = 080 1~8 = 000

   9 = 176

   * = 095

   # = 096

   4 digit extension range required is 4000~4100

   Memory Block 1-1-47

   40 = 001 and 41 = 001.

   It is then possible to use Memory Block 4-10 Station Number Assignment.

6. Call Forward Off Premise uses the same access codes as Internal Call Forward, however a Trunk Access Code is entered instead of an Extension.

7. Version 1.xx of the system software supports Call Forward Off Premise on MLT and SLT extensions.

8. Version 2.xx of the system software supports Call Forward Off Premise on MLT, SLT and CAR keys.

This table applies to Data Numbers 46, 47, and 48.

Default Dial Numbers and Function Numbers

Default Dial No.	Function No.	Function Name
4, 5, 6, 7, 8	000	Not Used
1, 2, 3	001	Station Number
	002	Not Used
	≀	≀
	019	Not Used
	020	Call Forward No Answer Set
	021	Call Forward No Answer Cancel
	022	Call Forward Busy Set
	023	Call Forward Busy Cancel
43	024	Call Forward Busy/No Answer Set
44	025	Call Forward Busy/No Answer Cancel
	026	Callback Message Answer
6#	027	SLT Hookflash
	028	Not Used
	029	Not Used
41	030	Call Forward All Call Set
40	031	DND Set
42	032	Call Forward All Call/DND Cancel
	033	Call Forward All Call Set from Destination
	034	Call Forward All Call Cancel from Destination
	035	Station Outgoing Lockout Set
	036	Station Outgoing Lockout Cancel
	037	Change Password
	038	Reset Password from Attendant
	039	Fax Status Indication (Tie/DID lines)
	040	Log - ON/OFF
	041	Account Code Entry
67	042	Call Pickup Direct
	043	Not Used
	044	Timed Alarm Set at SLTs
	045	Timed Alarm Cancel at SLTs
	046	Set and Cancel of Timed Alarm for Single Line Telephone from Attendant

Default Dial Numbers and Function Numbers

Default Dial No.	Function No.	Function Name
4✱	047	Call Park System Transfer
4#	048	Call Park System Answer
60	049	Volume/LCD Control
	050	Specified Tenant on CO/PBX/Centrex Line Seizure (1-digit)
	051	Specified Tenant on CO/PBX/Centrex Line Seizure (2-digit)
	052	Call Pickup CO/PBX by Tenant (1-digit)
	053	Call Pickup CO/PBX/Centrex by Tenant (2-digit)
	054	Specified Tenant Internal Paging (1-digit)
	055	Specified Tenant Internal Paging (2-digit)
	056	Internal Emergency All Call Paging
68	057	Intra-Tenant Call Pickup
69	058	Night Chime Call Pickup
	059	Not Used
	060	Call Pickup CO/PBX for other Tenants
	061	Internal/CO/PBX Transfer Call Pickup in Same Tenant
	062	SLT Park to Non-Exclusive Hold
	063	Specified CO/PBX/Centrex Line Seizure (1-digit)
	064	Specified CO/PBX/Centrex Line Seizure (2-digit)
	065	Call Pick-Up Group ▲
6✱	066	Call Pickup CO/PBX in Same Tenant
	067	Call Pickup (Tie only) in Same Tenant
	068	Call Pickup (PBX only) in Same Tenant
	069	Call Pickup (CO only) in Same Tenant
51	070	All Internal Zone Paging
52	071	Internal Zone A Paging
53	072	Internal Zone B Paging
54	073	Internal Zone C Paging

Default Dial Numbers and Function Numbers

Default Dial No.	Function No.	Function Name
5✱	074	Internal/External Meet-Me
55	075	All External Zone Paging
56	076	External Zone A Paging
57	077	External Zone B Paging
58	078	External Zone C Paging
5#	079	External Meet-Me
0	080	Outgoing (CO only) Access in Same Tenant
59	081	All Internal/External Zone Paging
	082	System I. D. Number for Tie Line Networking
	083	PHS Location Registration
	084	PHS Call Authentication
	085	Not Used
	086	Tie Line Seizure in Same Tenant
	087	PBX Line Seizure in Same Tenant
78	088	Trunk Queuing Set
79	089	Trunk Queuing Cancel
76	090	Station Speed Dial Programming (Single Line Telephone)
	091	Doorphone 1 Call
	092	Doorphone 2 Call
	093	Doorphone 3 Call
	094	Doorphone 4 Call
✱	095	Station/System Speed Dial Call (Single Line Telephone)
#	096	Last Number Redial
	097	Not Used
88	098	DSS 1 CALL
89	099	DSS 2 CALL
	100	Not Used
81	101	Trunk Group 01
82	102	Trunk Group 02
83	103	Trunk Group 03
84	104	Trunk Group 04
85	105	Trunk Group 05

Default Dial Numbers and Function Numbers

Default Dial No.	Function No.	Function Name
	106	Trunk Group 06
	≀	≀
	132	Trunk Group 32
	133	Not Used
	≀	≀
	139	Not Used
45	140	Call Forward Busy/No Answer Set for Call Arrival Key ▲
46	141	Call Forward Busy/No Answer Cancel for Call Arrival Key ▲
47	142	Call Forward All Call Set for Call Arrival Key ▲
48	143	Call Forward All Call Cancel for Call Arrival Key ▲
	144	Call Forward All Split set for CAR ■
	145	Call Forward All Split cancel for CAR ■
	146	Forced Account Code Programming
	147	Forced Account Code Access
	148	Station Relocation
	150	Call Forward No Answer Split Set ■
	151	Call Forward No Answer Split Cancel ■
	152	Call Forward Busy Split Set ■
	153	Call Forward Busy Split Cancel ■
	154	Call Forward Busy/No Answer Split Set ■
	155	Call Forward Busy/No Answer Split Cancel ■
	156	Call Forward All Split Set ■
	157	Call Forward All Split Cancel ■
	158	Call Forward Busy/No Answer Split Set for CAR ■
	159	Call Forward Busy/No Answer Split Cancel for CAR ■
	≀	≀
	175	Not Used
9	176	Specified Station Access Code 00

Default Dial Numbers and Function Numbers

Default Dial No.	Function No.	Function Name	
	177	Specified Station Access Code	01
	178	Specified Station Access Code	02
	179	Specified Station Access Code	03
	180	Specified Station Access Code	04
	181	Specified Station Access Code	05
	182	Specified Station Access Code	06
	183	Specified Station Access Code	07
	184	Specified Station Access Code	08
	185	Specified Station Access Code	09
	186	Specified Station Access Code	10
	187	Specified Station Access Code	11
	188	Specified Station Access Code	12
	189	Specified Station Access Code	13
	190	Specified Station Access Code	14
	191	Specified Station Access Code	15
	192	Specified Station Access Code	16
	193	Specified Station Access Code	17
	194	Specified Station Access Code	18
	195	Specified Station Access Code	19
	196	Specified Station Access Code	20
	197	Specified Station Access Code	21
	198	Specified Station Access Code	22
	199	Specified Station Access Code	23
	200	Not Used	
	201	Route Advance Block 01	

Default Dial Numbers and Function Numbers

Default Dial No.	Function No.	Function Name
	≀	≀
	232	Route Advance Block 32
	233	Not Used
	≀	≀
	250	ID Call Originate
	251	DISA/ID Password Set (Any station)
	252	DISA/ID Password Reset (Attendant only)
	253	DISA/ID Password Confirmation (Attendant only)
	254	Not Used
	255	Not Used
	301	Third Digit Table Number 01 (2-digit Numbering Plan can only be entered.)
	≀	≀
	304	Third Digit Table Number 04 (2-digit Numbering Plan can only be entered.)
	401	Closed Number Block 1
	≀	≀
	416	Closed Number Block 16
	501	VRS Voice Message Record/Verify/Erase (Voice Prompt, Automated Attendant)
	502	Voice Mail Message Set
	503	Voice Mail Message Cancel
	601	ACR Table 1 •
	602	ACR Table 2 •
	603	ACR Table 3 •
	604	ACR Table 3 •

▲ Software Version 2.xx or higher allows Call Forward Off Premise for CAR Keys to be set

■ Software Version 3.xx or higher has the ability to split Call Forward Function No. 144 to 159

● Software Version 6.XX or higher.
  1. Increase RAB from 16 to 32.
  2. Allows change from one ACR table to another using access code.

Access Code (2-Digit) Assignment

General Description

Use this Memory Block to assign a 2-digit number as an Access Code.

Display

```
Data
No.          Title              Dial No. 0~9    Function
                                   * #            No.

4 7 : 2 D G       ( 0 0 ) = 0 0 0

T I M E        D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ④ ⑦ to access the Memory Block.
3	Enter the options using the dial pad.
	Note: Use the following to enter data:
	⊛ to move the cursor left
	⌗ to move the cursor right
	⓪ ~ ⑨ to enter numeric data
4	Enter the Function Number for the Dial Number. Refer to the table in Memory Block 1-1-46 Access Code (1-Digit) Assignment.
5	Press Transfer to display next dial number successively.
6	Dial 00, and press Transfer to display next data.
7	Press Transfer to write selected data.
8	Press Speaker to go back on-line.

Default Values

Refer to Table in MB 1-1-46 Access Code (1-Digit) Assignment

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment

1. Select options from the list of function numbers in Memory Block 1-1-46 Access Code (1-Digit) Assignment, and assign a number (from 00~99), ✱, or **#** to each selected function.
   - When a function is assigned a 1-digit Access Code, 2-digit Access Codes with the same first digit become invalid (*i.e.*, if a function is assigned to Access Code 5, Access Codes 50~59, 5✱, and 5**#** cannot be used.)
2. To enter **#** or ✱ as part of an Access Code, press Redial then ⌗ or ⊛ .
   - Use this Memory Block when a 4-Digit Station Numbering Plan is programmed.

Access Code (3-Digit) Assignment

	System Mode **1** *Submode* **1** *Data No.* **48** *PC Programming* [Alt]**+BA**

General Description

Use this Memory Block to assign a 3-digit number as an Access Code.

Display

Data No.	Title	Third Digit Table No. (01~04)	Dial No. 0~9 * #	Function No.

```
4 8 : 3 D G / 0 1 ( 0 ) = 0 0 0
         T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + ④ ⑧ to access the Memory Block.	

3	Enter the function code data using the dial pad.
	
	Note: Use the following to enter data:
	  ✱ to move the cursor left
	  # to move the cursor right
	  ⓪ ~ ⑨ to enter numeric data
	  [Redial] + ✱ to enter *
	  [Redial] + # to enter #
		Default Values
		All Dial 000 (Not Used)

4	Press [Transfer] to write the data. The next dial number data is displayed.	
5	After last entry, press [Transfer] to write the data.	
6	Press [Speaker] to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (3-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment

1. Select options from the list of function numbers in Memory Block 1-1-46 Access Code (1-Digit) Assignment, and assign a 3-digit Access Code.
   - When a function is assigned a 1-digit Access Code or 2-digit Access Code, 3-digit Access Codes (with the same first digit) become invalid (*i.e.*, if a function is assigned to Access Code 5, Access Codes 50~59, 5✱, and 5# cannot be used.)
2. A station number is not assigned in this Memory Block.
3. All items except function number 001 (Station Number) in 1-digit assignment are valid in this block.
4. Four groups of Access Code Tables can be used. 0~9, ✱, and # are the third digit Access Codes that are assigned in the third digit tables.
5. Before using this function, assign function numbers 301~304 (Table No. for third digit) in Memory Block 1-1-47 Access Code (2-Digit) Assignment.
6. To program Access Code 811 for Trunk Group 02:
   - Use Memory Block 1-1-47 Access Code (2-Digit) Assignment to assign function 301 to 81.
   - Set 3rd digit Table No. 01 dial number 1 to function 102.

Numbering Plan (2-Digit)

Dial No.	Function Number
81	301(3rd Dgt Table 01)
82	302(3rd Dgt Table 02)
83	303(3rd Dgt Table 03)
84	304(3rd Dgt Table 04)

Numbering Plan (3-Digit)3rd Digit Table No. 01

Dial No.	Function Number
0	101 (Trunk Group 01)
1	102 (Trunk Group 02)
2	103 (Trunk Group 03)
3	104 (Trunk Group 04)
4	105 (Trunk Group 05)
∫	∫
9	110 (Trunk Group 10)

Networking Trunk Group/Route Advance Assignment

General Description

Use this Memory Block to assign the function number of the Trunk Group to be used to network an Xen system to another system by Tie lines or CO/PBX/CTX lines.

Display

Data No.	Closed Number Block 01~16	Enter Function No.

```
4 9 : 0 1 = R T

   T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ④ ⑨ to access the Memory Block.
3	Use dial pad to enter the Function Number of the Trunk Group or the Route Advance Block. **Default Values** Not Specified **Note:** Use the following to enter data: ✱ to move the cursor left # to move the cursor right ⓪ ~ ⑨ to enter numeric data Hold to clear all data
4	Press Transfer to write selected data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-30	Route Advance Block Assignment
3-03	Trunk-to-Trunk Group Assignment
1-1-50	CO/PBX Outgoing Digit Add Assignment

Function Number 101~132 (Trunk Group 1~32, respectively) or 201~216 (Route Advance Block 1~16, respectively) is assigned to Closed Number blocks.

CO/PBX Outgoing Digit Add Assignment

System Mode
1
Submode
1
Data No.
50
PC Programming
Alt +**BCS**

General Description

Use this Memory Block to specify up to 10 additional digits when a trunk in the Trunk Group or Route Advance block assigned in Memory Block 1-1-49 Networking Trunk Group/Route Advance Assignment is seized, and a number is dialled.

Display

Data No.	Closed Number Block 01~16	Add Digit 10 Max. (0~9, *, #)

```
5 0 : 0 1 =

          T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑤ ⓪ to access the Memory Block.
3	Use dial pad to enter digits to be added. **Default Values** Not Specified
	Note: Use the following to enter data:
	⊛ to move the cursor left
	# to move the cursor right
	⓪ ~ ⑨ to enter numeric data
	Hold to clear all data
	Redial + ⊛ to enter *
	Redial + # to enter #
4	Press Transfer to write selected data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-49	Networking Trunk Group/Route Advance Assignment

Example: Station 100   Add

Dials 200   200

Trunk
Group 02

Station 200 Rings
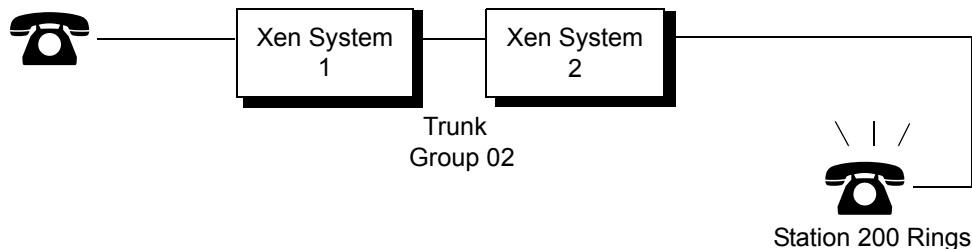
To assign System 1 in System Programming:

1. Memory Block 1-1-46 Access Code (1-Digit) Assignment. Assignment 2 → 401 (Closed Number Block 01).
2. Memory Block 1-1-49 Networking Trunk Group/Route Advance Assignment. Assignment Block 01 → 102 (Trunk Group 02).
3. Memory Block 1-1-50 CO/PBX Outgoing Digit Add Assignment. Assignment Block 01 → Assign 2
4. Digits are added when the Access Code is dialled from the internal dial tone.
5. This Memory Block also applies to ISDN trunks.

CO Line Ringing Pattern Selection

	System Mode **1** *Submode* **1** *Data No.* **51** *PC Programming* Alt +**BCS**

General Description
Use this Memory Block to assign the initial ringing pattern for incoming calls on a CO line.

Display

Data No. | Title | Setting Data | Page No.

```
5 1 : C O   P T N           G | 1
          T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Ring Pattern A	Ring Pattern B	Ring Pattern C	Ring Pattern D
LK 5	LK 6	LK 7	LK 8
Ring Pattern E	Ring Pattern F	Ring Pattern G	Ring Pattern H

The shaded area indicates the default setting.

LK 9	LK 10	LK 11	LK 12
No ring			
LK 13	LK 14	LK 15	LK 16

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑤ ⑦ to access the Memory Block.
3	Press corresponding CO/PBX line key to change data. **Note:** Use the following to enter data: Recall to access the next page Feature to access the previous page
4	Press Transfer to write data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-59	Synchronous Ringing Selection

The Ring Patterns are shown in the table below:

s= seconds

Pattern	0s	1s	2s	3s	4s	5s	6s
A							
B							
C							
D							
E							
F							
G							
H							
NIL	No Ring						

PBX Line Ringing Pattern Selection

General Description

Use this Memory Block to assign the initial ringing pattern for incoming calls on a PBX line.

Display

| | Data No. | | Title | | Setting Data | Page No. |

```
5 2 :  P B X     P T N          B | 1
         T I M E   D I S P L A Y
```

System Mode
1
Submode
1
Data No.
52
PC Programming
Alt +BCS

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Ring Pattern A	Ring Pattern B	Ring Pattern C	Ring Pattern D
LK 5	LK 6	LK 7	LK 8
Ring Pattern E	Ring Pattern F	Ring Pattern G	Ring Pattern H

(Page 2)   The shaded area indicates the default setting.

LK 9	LK 10	LK 11	LK 12
No Ring			
LK 13	LK 14	LK 15	LK 16

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑤ ② to access the Memory Block.
3	Press corresponding CO/PBX line key to change data.
	Note: Use the following to enter data:
	Recall to access the next page
	Feature to access the previous page
4	Press Transfer to write data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Do not program this Memory Block if Memory Block 1-1-59 Synchronous Ringing Selection is assigned Yes.

The Ring Patterns are listed in the table below:
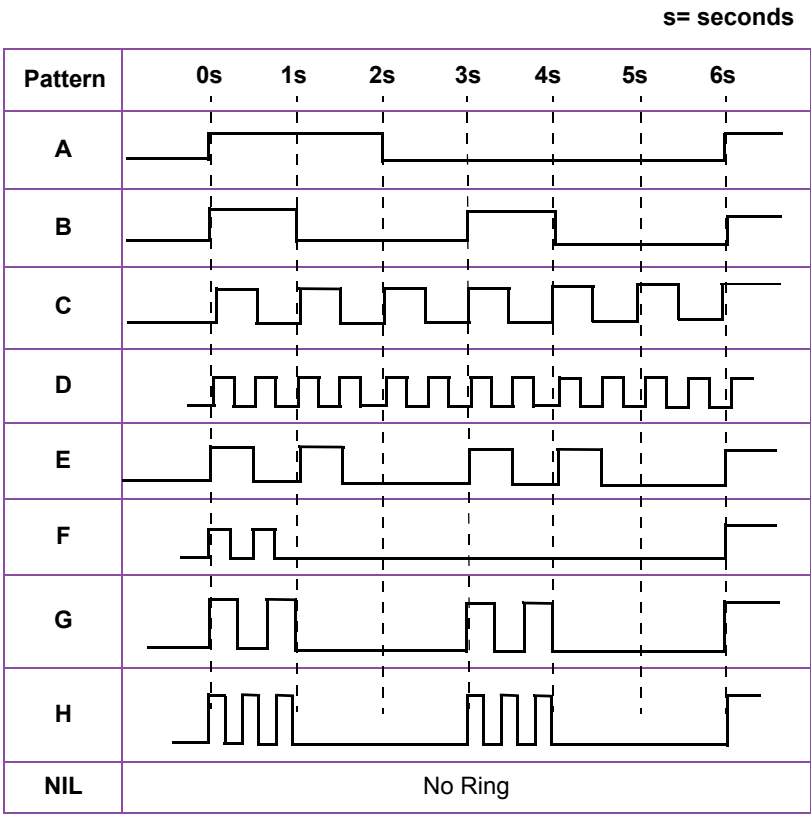
s= seconds

Pattern	0s	1s	2s	3s	4s	5s	6s
A							
B							
C							
D							
E							
F							
G							
H							
NIL	No Ring						

Tie Line Delay Ring Pattern Selection

General Description

Use this Memory Block to select a ringing pattern for incoming calls on a Tie line after the timeout set in Memory Block 1-1-07.

Display

Data No.	Title	Setting Data	Page No.

5 3 : T L I P T N	C	1
T I M E D I S P L A Y		

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Ring Pattern A	Ring Pattern B	Ring Pattern C	Ring Pattern D
LK 5	LK 6	LK 7	LK 8
Ring Pattern E	Ring Pattern F	Ring Pattern G	Ring Pattern H

(Page 2)   The shaded area indicates the default setting.

LK 9	LK 10	LK 11	LK 12
No Ring			
LK 13	LK 14	LK 15	LK 16

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑤ ③ to access the Memory Block.

3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	  Recall to access the next page
	  Feature to access the previous page

4	Press data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-07	Tie Line Delay Ringing Timer Selection
1-1-34	Tie Line First Ring Pattern Selection
4-01	CO/PBX Ring Assignment (Day Mode)
4-02	CO/PBX Ring Assignment (Night Mode)
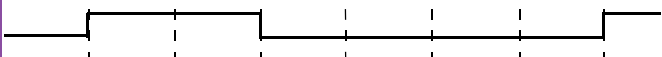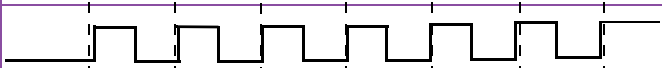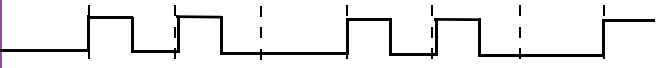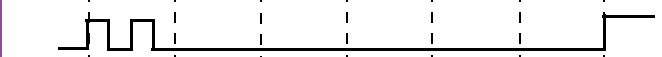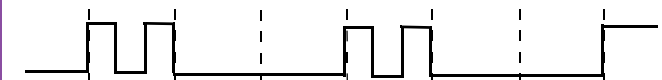
The Ring Patterns are shown in the table below:

s= seconds

Pattern	0s	1s	2s	3s	4s	5s	6s
A							
B							
C							
D							
E							
F							
G							
H							
NIL			No Ring				

Automated Attendant Transfer Ring Pattern

General Description

Use this Memory Block to specify the ringing pattern sent to the Multiline Terminal when an incoming call is received at the Automated Attendant and transferred.

Display

Data No.	Title	Setting Data	Page No.

```
5 4 :  A A    P T N              C |  1

       T I M E    D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Ring Pattern A	Ring Pattern B	Ring Pattern C	Ring Pattern D
LK 5	LK 6	LK 7	LK 8
Ring Pattern E	Ring Pattern F	Ring Pattern G	Ring Pattern H

(Page 2)

LK 9	LK 10	LK 11	LK 12
No Ring			
LK 13	LK 14	LK 15	LK 16

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑤ ④ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	Recall to access the next page
	Feature to access the previous page
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming.

The Ring Patterns are shown in the table below:

s= seconds

Pattern	0s	1s	2s	3s	4s	5s	6s
A							
B							
C							
D							
E							
F							
G							
H							
NIL	No Ring						

DID Line Ringing Pattern Selection

General Description

This Memory Block assigns the ringing pattern to be used for DID calls.

Display

	Data No.	Title	Setting Data	Page No.

```
5 5 : D I D   P T N        C | 1
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Ring Pattern A	Ring Pattern B	Ring Pattern C	Ring Pattern D
LK 5	LK 6	LK 7	LK 8
Ring Pattern E	Ring Pattern F	Ring Pattern G	Ring Pattern H

The shaded area indicates the default setting.

LK 9	LK 10	LK 11	LK 12
No ring			
LK 13	LK 14	LK 15	LK 16

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑤ ⑤ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to change page:
	(Recall) to move to next page
	(Feature) to move to previous page
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-20	DID Digit Length Selection
1-1-21	DID Digit Conversion Assignment
1-1-22	DID Digit Conversion Table & DNIS Assignment

CO/PBX Prepause Timer Selection

System Mode
1
Submode
1
Data No.
57
PC Programming
Alt +BCM

General Description

Use this Memory Block to assign a pause time before dialled digits can be sent over a CO/PBX line after the trunk is seized by a system user.

Display

Data No.　　　　　Title　　　　Setting Data　Page No.

```
5 7 : P R E P A U S E    3 s | 1
      T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
None	1 sec.	2 sec.	3 sec.
LK 5	LK 6	LK 7	LK 8
4 sec.	5 sec.	6 sec.	7 sec.

(Page 2)　　　　　　　　　　　　　The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
8 sec.	9 sec.	10 sec.	11 sec.
LK 5	LK 6	LK 7	LK 8
12 sec.	13 sec.		

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑤JKL ⑦PQRS to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note:　Use the following to change page:
	Recall　　to move to next page
	Feature　　to move to previous page
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Synchronous Ringing Selection

General Description

Use this Memory Block to specify whether or not CO/PBX calls follow Synchronous Ringing.

Display

Data No.	Title	Function No.

```
5 9 : S Y N C H R O N U S      Y S
      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Yes	No		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑤ ⑨ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. Synchronous Ringing does not apply to incoming DID calls, off-hook ringing calls, or CO/PBX ring transfer calls.
2. Do not program this Memory Block if Memory Block 1-1-59 Synchronous Ringing Selection is assigned Yes.

8-Digit Matching Table Assignment

General Description

Use this Memory Block to assign the outgoing dial digit for Code Restriction (except OCC Dial Digit - Normal Dial). Program this assignment in one of two ways:

a) When the user dials digit(s) and there is a match, the system allows free dialling or denies dialling by disconnecting. Refer to Memory Block 1-1-61, 8-Digit Matching Table to Class Assignment for programming.

b) When a user dials digit(s) and there is no match, the system allows free dialling or denies dialling by disconnecting. Refer to Memory Block 1-1-65, Code Restriction Class Allow/Deny Selection for programming.

Display

```
Data
No.                      Title

6 0 :  8 D I G I T    T A B L E

0 0 / 0 0 = 0 0 0
```

8-Digit   Dial   Dial Digit
Matching   Code   (Maximum 8)
Table

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (6 MNO) (0 OPER) to access the Memory Block.

3	Use the dial pad to enter the data.

Note: Use the following to enter data:

- (*) to move the cursor left
- (#) to move the cursor right
- (0 OPER) ~ (9 WXYZ) to enter numeric data
- (Hold) to clear data

The information that can be entered includes:

Matching Table: 00~15 (8-digit)

Dial Code: 00~15

Dial Digit: 0~9, **∗, #**, X, P, N (Maximum eight digits)

Default Values

Matching Table	Dial Code	Setting Data
00	00	000
	01	1144x

4	Operation data includes:

Operation Data	Dial Number	Operation
X	(0 OPER) ~ (9 WXYZ) , (*) , (#)	(Redial) + (7 PQRS)
P	(0 OPER) and (1)	(Redial) + (8 TUV)
N	(2 ABC) ~ (9 WXYZ)	(Redial) + (9 WXYZ)
∗	(*)	(Redial) + (*)
#	(#)	(Redial) + (#)

5	Press (Transfer) to write the data and advance to the next dial code. After all dial codes have been entered, press (Transfer) again.
6	Press (Transfer) to go back on-line.

Related Programming

M.B. Number	Memory Block Name	
	Refer to Section 6 Code Restriction in this chapter.	

1. There are sixteen 8-Digit Matching Tables. Each 8-digit table contains 16 Dial Codes. Each dial code can have eight characters including digits and/or ✱, #, X, P, or N characters.

8-Digit Matching Table to Class Assignment

System Mode
1
Submode
1
Data No.
61
PC Programming
Alt **+AC**

General Description

Use this Memory Block to program, per Class, each 8-digit Matching Table to allow or deny. Classes 00 and 15 are fixed. Only classes 01~14 can be programmed.

Display

Data No.	Title 1~7	Class No. 01~14	Table 00~15		Setting Data

```
6 1 :  C L S 0 1 ( 0 0 )  =    Y S
       T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
NON	Allow (YS)	Deny (NO)	
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑥ ⑦ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Class 00 and 15 cannot be programmed. Class 00 has no restrictions (Allow) Class 15 has restricted outgoing (Deny) Refer to the table on the next page.
4	Press (Transfer) to write the data and advance to the next table. Repeat Steps 3 and 4 for each table.
5	After data for the last table is entered, press (Transfer) to write the data.
6	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Section 6 Code Restriction in this chapter.

Table Class	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
01	A															
02	A															
03	A															
04	A															
05	A															
06	A															
07	A															
08	A															
09	A															
10	A															
11	A															
12	A															
13	A															
14	A															

A = Allow
D = Deny

System Speed Dial Override by Class Selection

System Mode
1
Submode
1
Data No.
62
PC Programming
Alt **+AC**

General Description

Use this Memory Block to specify, per Class, whether or not a user can override System Speed Dial.

Display

Data No.	Title 1~7	Class No. 01~14	Setting Data

```
6 2 : S P D O V R ( 0 1 ) = Y S
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
NO No Override	YS Override		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑥ ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data and advance to the next class. Repeat Steps 3 and 4 for each class.
5	After data for the last class is entered, press (Transfer) to write the data.
6	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-18	System Speed Dial Restriction by Tenant

At system default, all stations are set to Class 00 to allow override for System Speed Dial.

Hold Recall Time Selection (Exclusive)

General Description

Use this Memory Block to specify the time for Exclusive Hold Recall. If No Limit is selected, Exclusive Hold Recall is not provided.

Display

	Data No.	Title		Setting Data

```
6 3 : H O L D    R E C L    1 . 0
         T I M E    D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
0.5 min.	1 min.	1.5 min.	2 min.
LK 5	LK 6	LK 7	LK 8
3 min.	5 min.	8 min.	No Limit

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑥ ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-03	Hold Recall Timer Selection (Non-Exclusive Hold)
1-2-23	System Call Park Recall Time Selection

When an Exclusive Hold call recalls, the held call switches to a Non-Exclusive Hold call.

Attendant Add-On Console Transfer/ Camp-On Recall Timer Selection

General Description

Use this Memory Block to specify the time interval before a Ring Transfer or Station Camp-On from a station with an Attendant Add-On Console recalls back to the originating station if the call is not answered.

Display

Data No.	Title 1~7	Setting Data

```
6 4 : D S S   R E C L      1 . 0

       T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
0.5 min.	1 min.	1.5 min.	2 min.
LK 5	LK 6	LK 7	LK 8
3 min.	5 min.	8 min.	10 min.

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑥ ④ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-11	System Transfer/Camp-On Selection
1-1-12	Station Transfer/Camp-On Recall Timer Selection
1-6-01	Attendant Add-On Console to Telephone Port Assignment
1-8-08	Class of Service (Station) Feature Selection 2

1. When a station without an assigned Attendant Add-On Console transfers or camps-on a call to a station that goes unanswered, the call recalls using Memory Block 1-1-12 Station Transfer/Camp-On Recall Timer Selection.

2. Timer is valid only for stations assigned an Attendant Add-On Console in Memory Block 1-6-01 Attendant Add-On Console to Telephone Port Assignment. The [Transfer] keyon the station and the console are both affected.

Code Restriction Class Allow/Deny Selection

<table>
<tr><td>System Mode
1
Submode
1
Data No.
65
PC Programming
Alt +AC</td></tr>
</table>

General Description

Use this Memory Block to assign Code Restriction Classes 01~14 as Allow or Deny. This assignment is used when there is no match or there is an overlap (duplicate numbers in tables with opposite assignments) of numbers in the 8-Digit Matching Tables.

Display

Data No.	Title	Class No. 01~14	Function

```
6 5 : C L A S S   ( 0 1 ) = Y S
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Allow (YS)	Deny (NO)		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

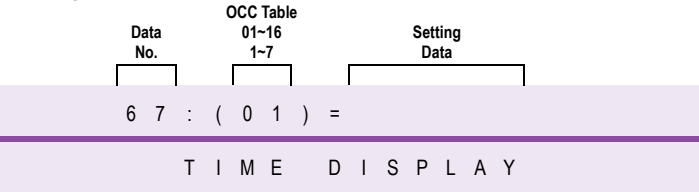|	
1	Go off-line.
2	Press LK1 + LK1 + ⑥ⓂNO ⑤JKL to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option. **Default Values** Class 01 Deny (NO) Class 02~14 Allow (YES)
4	Press Transfer to write the data and advance to the next class. Repeat steps 3 and 4 until last class is assigned.
5	Press Transfer to write selected data.
6	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Section 6 Code Restriction in this chapter.

1. If a match is not found or duplicate match is made with opposite assignments, the system uses this Memory Block.
2. If the interdigit dialling time duration exceeds 10 seconds while a restricted station user is dialling on an outside line, the system automatically drops the call.
3. If phones are required to dial emergency "only", then class 01 can be used.
4. Use Memory Block 1-1-70 as the default class assignment for features such as station outgoing lockout In/Out (from DSS console and password lockout.

8-Digit Matching Table to Normal Dial Assignment

System Mode
1
Submode
1
Data No.
66
PC Programming
Alt +**AC**

General Description

Use this Memory Block to assign the 8-Digit Matching Table by class for normal dialling as used or unused. If unused is assigned, the system does not check during normal dialling even if Memory Block 1-1-61 8-Digit Matching Table to Class Assignment is programmed.

Display

Data No.	Title	Setting Data

```
6 6 : N O R M A L    D I A L | 1
       T I M E    D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Table 00	Table 01	Table 02	Table 03
LK 5	LK 6	LK 7	LK 8
Table 04	Table 05	Table 06	Table 07

(Page 2)   There is no default setting.

LK 1	LK 2	LK 3	LK 4
Table 08	Table 09	Table 10	Table 11
LK 5	LK 6	LK 7	LK 8
Table 12	Table 13	Table 14	Table 15

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑥ ⑥ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.

Default Values

Tables 00~15 Used

Note: Use the following to enter data:

(Recall) to access the next page.

(Feature) to access the previous page.

Each time a CO/PBX line key is pressed, the LED toggles between On and Off.

CO/PBX Line LED	Off	On
Data	Restricted	Not restricted

There is no default setting.

4	Press (Transfer) to write the data and advance to the next class. Repeat steps 3 and 4 until last class is assigned.
5	Press (Transfer) to write the last data.
6	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Section 6 Code Restriction in this chapter.

OCC Table Assignment

System Mode **1** *Submode* **1** *Data No.* **67** *PC Programming* Alt **+AC**

General Description

Use this Memory Block to assign an Other Common Carrier (OCC) code (8-digit maximum) in a table. A maximum of 16 codes can be assigned.

Display

Data No.   OCC Table 01~16 1~7   Setting Data

```
6 7 : ( 0 1 ) =

      T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (6 MNO) (7 PQRS) to access the Memory Block.
3	Use the dial pad to enter the data.

Default Values

Not specified

Note: Use the following to enter data:

(*) to move the cursor left

(#) to move the cursor right

(0 OPER) ~ (9 WXYZ) to enter numeric data

(Hold) to clear data

The information that can be entered includes:

OCC Table:	01~16 (8-digit)
Setting Data:	0~9, *, #, NANP = X, P, N (Maximum eight digits)

Operation data includes:

Operation Data	Dial Number	Operation
X	(0 OPER) ~ (9 WXYZ), (*), (#)	Redial + (7 PQRS)
P	(0 OPER) and (1)	Redial + (8 TUV)
N	(2 ABC) ~ (9 WXYZ)	Redial + (9 WXYZ)
*	(*)	Redial + (*)
#	(#)	Redial + (#)

4	Press (Transfer) to write the data and advance to the next OCC table.
5	After all OCC data is entered, press (Transfer) again.
6	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Section 6 Code Restriction in this chapter.

8-Digit Matching Table to OCC Table Assignment

System Mode
1
Submode
1
Data No.
68
PC Programming
Alt **+AC**

General Description

Use this Memory Block to assign each 8-Digit Matching Table to each Other Common Carrier (OCC) Code Table.

Display

Data No.	Title	OCC Table 01~16	Function No.

```
6 8 :  8 D G    O C C ( 0 1 ) | 1
         T I M E    D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Table 00	Table 01	Table 02	Table 03
LK 5	**LK 6**	**LK 7**	**LK 8**
Table 04	Table 05	Table 06	Table 07

(Page 2)   There is no default setting.

LK 1	LK 2	LK 3	LK 4
Table 08	Table 09	Table 10	Table11
LK 5	**LK 6**	**LK 7**	**LK 8**
Table 12	Table13	Table14	Table15

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑥ ⑧ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.

3 (continued)

Note: Use the following to enter data:

Recall to access the next page

Feature to access the previous page.

Each time a CO/PBX line key is pressed, the LED toggles between On and Off.

CO/PBX Line LED	Off	On
Data	Unused	Used

Default Values

OCC Tables 01~15:
All Matching Tables Not Used

OCC Table 16:
Matching Tables 00~14 Not Used
Matching Table 15 Used

There is no default setting.

4	Press Transfer to write the data and advance to the next OCC table. Repeat steps 3 and 4 until last OCC data is assigned.
5	Press Transfer to write the last data.
6	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Section 6 Code Restriction in this chapter.

Tie Line Code Restriction Assignment

General Description

Use this Memory Block to assign Restriction/No Restriction to outgoing Tie line dialled digits.

Display

Data No.	Title 1~7	Setting Data

```
6 9 : T I E   R E S T       = Y S
        T I M E   D I S P L A Y
```
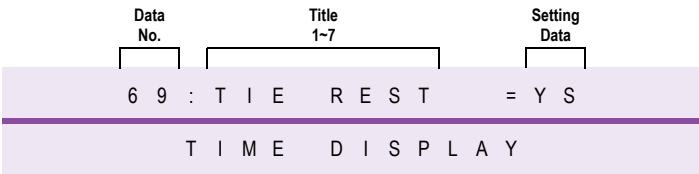
Settings

LK 1	LK 2	LK 3	LK 4
No Restriction (NO)	Restriction (YS)		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑥ ⑨ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option. **Default Values** Restriction
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Section 6 Code Restriction in this chapter.

When Tie lines are assigned code restriction, the Access Code used to dial out of the distant system must be entered in front of the dialled number in the 8-Digit Matching Tables.

Code Restriction Class Assignment when Lockout is Set

System Mode
1
Submode
1
Data No.
70
PC Programming
[Alt] **+AC**

General Description

Use this Memory Block to assign the Code Restriction Class when a station user sets the Station Lockout or when the Attendant sets Attendant Station Lockout.

Display

Data No.	Title 1~7	Setting Data

```
7 0 : R E S T   C L A S S = 0 1
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + (7 PQRS) (0 OPER) to access the Memory Block.	
3	Used dial pad to enter class restriction.	**Default Values**
	Note: Use the following to enter data:	Class 01
	(*) to move the cursor left	
	(#) to move the cursor right	
	(0 OPER) ~ (9 WXYZ) to enter numeric data	
4	Press (Transfer) to write selected data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
	Refer to Section 6 Code Restriction in this chapter.

When a station is locked out, the Code Restriction Class Assignment of this Memory Block is used instead of the Code Restriction Class assigned in Memory Block 4-07, Code Restriction Class Assignment (Day Mode) or 4-08, Code Restriction Class Assignment (Night Mode).

First Delay Announcement Start Time Selection

General Description

Use this Memory Block to specify the delay between receiving a CO call and sending a First Delay Announcement to the calling party.

Display

Data No.	Title	Setting Data

```
7 1 : M S G   S T A R T = 2 0
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
0 sec.	10 sec.	20 sec.	30 sec.
LK 5	LK 6	LK 7	LK 8
40 sec.	50 sec.	60 sec.	

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (7 PQRS) (1) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-72	First Delay Announcement Repeat Selection
1-8-13	VRS Message Function Assignment
3-41	ACD/UCD Delay Announcement Assignment

This Memory Block does not display unless the MIFA-U13 ETU is installed.

First Delay Announcement Repeat Selection

General Description

Use this Memory Block to specify the number of times a First Delay Announcement is repeated.

Display

Data No.	Title	Setting Data
7 2 :	M S G 1 S E N D =	1
	T I M E D I S P L A Y	

Settings

LK 1	LK 2	LK 3	LK 4
1 Time	2 Times	3 Times	4 Times
LK 5	LK 6	LK 7	LK 8
5 Times	6 Times	7 Times	8 Times

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑦ ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-71	First Delay Announcement Start Time Selection
1-8-12	VRS Message Recording Time Selection
1-8-13	VRS Message Function Assignment
3-41	ACD/UCD Delay Announcement Assignment

This Memory Block does not display unless the MIFA-U13 ETU is installed.

First to Second Delay Announcement Interval Time Selection

System Mode
1
Submode
1
Data No.
73
PC Programming
[Alt]**+AR**

General Description

Use this Memory Block to specify the interval time between the end of the First Delay Announcement sending time and the start time of the Second Delay Announcement.

Display

Data No.	Title	Setting Data

```
7 3 : M S G    I N T V L = 2 0
         T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
0 sec.	10 sec.	20 sec.	30 sec.
LK 5	LK 6	LK 7	LK 8
40 sec.	50 sec.	60 sec.	No Limit

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑦ ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-74	Second Delay Announcement Repeat Selection
1-1-75	Second Delay Announcement Repeat Interval Time Selection
1-8-13	VRS Message Recording Time Selection
3-41	ACD/UCD Delay Announcement Assignment

This Memory Block does not display unless the MIFA-U13 ETU is installed.

Second Delay Announcement Repeat Selection

System Mode
1
Submode
1
Data No.
74
PC Programming
[Alt] **+AR**

General Description

Use this Memory Block to specify the number of times a Second Delay Announcement is repeated.

Display

Data No.	Title	Setting Data

```
7 4 : M S G 2    S E N D = 1
       T I M E    D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
1 Time	2 Times	3 Times	4 Times
LK 5	LK 6	LK 7	LK 8
5 Times	6 Times	7 Times	8 Times

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (7 PQRS) (4 GHI) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-73	First to Second Delay Announcement Interval Time Selection
1-1-75	Second Delay Announcement Repeat Interval Time Selection
1-8-12	VRS Message Recording Time Selection
1-8-13	VRS Message Function Assignment
3-41	ACD/UCD Delay Announcement Assignment

This Memory Block does not display unless the MIFA-U13 ETU is installed.

Second Delay Announcement Repeat Interval Time Selection

General Description

Use this Memory Block to specify the interval time to repeat Second Delay Announcement to the calling party.

Display

Data No.		Title		Setting Data	

```
7 5 : M S G 2    R P E T = 2 0 s
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
0 sec.	10 sec.	20 sec.	30 sec.
LK 5	LK 6	LK 7	LK 8
40 sec.	50 sec.	60 sec.	No Limit

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑦ ⑤ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-73	First to Second Delay Announcement Interval Time Selection
1-1-74	Second Delay Announcement Repeat Selection
3-41	ACD/UCD Delay Announcement Assignment

This Memory Block does not display unless the MIFA-U13 ETU is installed.

Delayed Ringing Timer Assignment (CO)

General Description

Use this Memory Block to assign the delayed ringing timer for incoming outside line calls.

Display

Data No.	Title	Setting Data

```
7 7 : D R I N G ( 1 )   = 1 5 s

        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑦ ⑦ to access the Memory Block.
3	Use dial pad to enter data. **Default Values** 15 Seconds
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-2-26	Delayed Ringing Timer Assignment (ICM)

Caller ID Display Assignment for System Mode

General Description

Use this Memory Block to assign up to 15 Multiline Terminals to display Caller ID Indication for normal incoming CO/PBX calls or CO/PBX calls ringing a Call Arrival (CAR) key.

Display

Data No.	Title 1~7	Entry No. 1~15	Tel Port No. (00~99 A0~A9 B0~B9 CO)

```
7 8 : C A L L I D    1    =    0 0
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑦ ⑧ to access the Memory Block.
3	Use the dial pad to enter Entry No.1 or 2 and Tel Port No. **Note:** Use the following to enter data: ✱ to move the cursor left ＃ to move the cursor right ⓪ ~ ⑨ to enter numeric data	**Default Values** Not specified
4	Press Transfer to write the data and advance to the next Entry No. After data for Entry No. 2 is entered, press Transfer again. A total of 15 entries can be made.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. To display Caller ID Indication for normal incoming and CAR incoming calls, Caller ID Indication and Ring Assignment must be assigned for the terminal in system programming.

2. Fifteen Multiline Terminals can be assigned system-wide to display Caller ID.

3. A sixteenth terminal can be assigned to display Caller ID using another Memory Block.

BGM Port Assignment

General Description

Use this Memory Block to assign the CO/PBX port to use as a Background Music port.

Display

Data No.	Title		CO No. (01~64)

```
7 9 : B G M          C 0 = 0 0

      T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK1 + ⑦ ⑨ to access the Memory Block.	
3	Use the dial pad to enter the CO No.	**Default Values**
	Note: Use the following to enter data:	Not specified
	＊ to move the cursor left	
	＃ to move the cursor right	
	⓪ ~ ⑨ to enter numeric data	
4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-8-08	Class of Service (Station) Feature Selection 2
2-06	Line Key Selection for Tenant Mode
4-12	Line Key Selection for Telephone Mode

If separate Music on Hold and Station Background Music are required, use an analogue CO port to support Station Background Music.

ISDN DTMF Duration/Interdigit Time Selection

System Mode
1
Submode
1
Data No.
80
PC Programming
Alt +AN

General Description

Use this Memory Block to specify tone duration and interdigit time of Dual-Tone Multifrequency (DTMF) signals for the ISDN trunk.

Display

```
Data                              Setting
No.          Title                 Data
```

```
8 0 : M F      =    1 0 0 / 7 0

        T I M E    D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
D.D I.T.	D.D I.T.	D.D I.T.	D.D I.T.
70ms 60ms	100ms 70ms	400m 100ms	600ms 100ms
LK 5	LK 6	LK 7	LK 8
D.D I.T.			
900ms 200ms			

The shaded area indicates the default settings.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (8 TUV) (0 OPER) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-91	Trunk (Installed, DP/DTMF) Selection

ISDN Dial Interval Timer

General Description

Use this Memory Block to specify the Dial Interval Timer for ISDN lines.

Display

Data No.   Title   Setting Data

8 1 : I S D N   D I A L   8 s

T I M E   D I S P L A Y
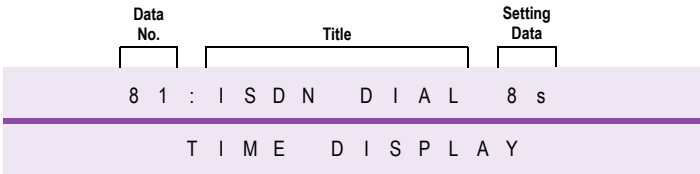
Settings

LK 1	LK 2	LK 3	LK 4
2s	4s	8s	16s
LK 5	LK 6	LK 7	LK 8
32s			

The shaded area indicates the default settings.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (8 TUV) (0 OPER) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

CO Feature Code Service for Code Restriction
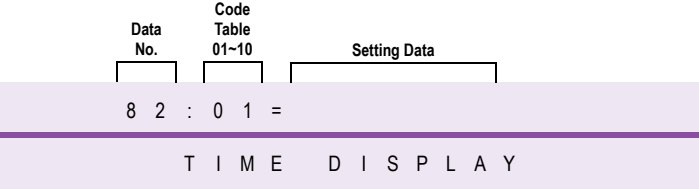
<table>
<tr><td>System Mode
1
Submode
1
Data No.
82
PC Programming
Alt+AC</td></tr>
</table>

General Description

Use this Memory Block to define an allowed code in the code restriction and is sent to the CO in front of the dialled number when a CO call is made.

Display

```
            Data       Code
            No.        Table     Setting Data
                       01~10

            8 2  :  0 1 =


                     T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + ⑧ ② to access the Memory Block.
3	Use the dial pad to enter the CO No. **Note:** Use the following to enter data: ⊛ to move the cursor left # to move the cursor right ⓪ ~ ⑨ to enter numeric data
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Default Values
Not specified

Related Programming

No related programming is necessary for this Memory Block.

ISDN Stimulus Method Selection

General Description

Use this Memory Block to define an allowed code in the code restriction and is sent to the CO in front of the dialled number when a CO call is made.

Display

Data No.   Code Table 01~10   Setting Data

```
8 5 : S T M L S F M T  =  A U S T
       T I M E   D I S P L A Y
```
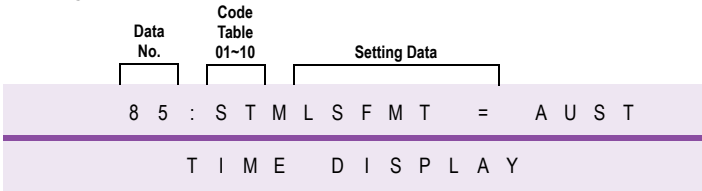
Settings

LK 1	LK 2	LK 3	LK 4
AUST	NZL		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default settings.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (8 TUV) (5 JKL) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-8-08	Class of Service (Station) Feature Selection 2
4-17	Station to Class of Service Feature Assignment

1. Requires System Software version 5.0 or higher, BRT Firmware version or higher and PRT Firmware version or higher.

Internal Paging Timeout Selection

General Description

Use this Memory Block to program the time allowed for paging.

Display

Data No.	Title		Setting Data

```
0 0 : P A G I N G            9 0 s
            T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
90 sec.	120 sec.	No Limit	
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + ⓪ ⓪ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-7-06	External Paging Timeout Selection
4-92	Internal Zone Paging Selection

The six types of paging are:

- All Internal Zone (51)
- Internal Zone Paging (52~54)
- External Zone Paging (all speakers) (55)
- External Zone Paging (individual speakers) (56~58)
- Internal/External Zone Paging (59)

Intercom Call Voice/Tone Signal Selection

System Mode
1
Submode
2
Data No.
01
PC Programming
[Alt] **+BI**

General Description

Use this Memory Block to determine whether signal tone or voice is used first for an intercom call.

Display

Data No.	Setting Data	Title

```
0 1 : T O N E      C A L L
     T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Tone	Voice		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + (0 OPER) (1) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-6-03	DSS Call Voice/Tone Signal Selection

1. Switch from voice to tone signalling or from tone to voice by dialling a station number, then dialling 1.

2. If tone signalling is programmed in this Memory Block, the called party cannot answer handsfree unless the originator of the call dials 1.

3. This Memory Block has no effect on incoming Voice Announcement Tie/DID line calls. Refer to Memory Block 1-1-34 Tie Line First Ring Pattern Selection.

Automatic Callback Release Timer Selection

<table>
<tr><td>System Mode
1
Submode
2
Data No.
02
PC Programming
Alt+BM</td></tr>
</table>

General Description

Use this Memory Block to determine the time allowed for an automatic callback before the request is automatically cancelled.

Display

	Data No.	Title	Setting Data

```
0 2 : C A L L   B A C K    3 0 m
    T I M E     D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
30 sec.	1 min.	2 min.	3 min.
LK 5	LK 6	LK 7	LK 8
5 min.	10 min.	20 min.	30 min.

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + ⓪ ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

2-, 3-, or 4-Digit Station Number Selection

General Description

Use this Memory Block to determine the number of digits for station numbers. Either 2-digit (00~99), 3-digit (000~999), or 4-digit (0000~9999) assignment is available.

Display

Data No.	Title	Setting Data

```
0 3 : S T A . N O .      3 D G T
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
2-digit	3-digit	4-digit	
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + ⓪ ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
4-10	Station Number Assignment

1. The Station Numbering Plan can be 2, 3, or 4 digits; however, only one plan can be used at a time.

2. After a change is made in this Memory Block, all station numbers must be reassigned in Memory Block 4-10 Station Number Assignment.

3. Station Numbering Plan 2 and 3 digit use Memory Block 1-1-46 Access Code (1-Digit) Assignment to set leading extension number range, e.g. Memory Block 1-1-46, 1=001 then 10~19 in 2 digit and 100~199 in 3 digit assignment is possible in Memory Block 4-10.

   Station Numbering Plan 4 digit uses Memory Block 1-1-47, however, all single digit codes in Memory Block 1-1-46 require to be set to "Not Used" 000 for Memory Block 1-1-47 to be effective,

   e.g. Memory Block 1-1-460=080
   1~9=001 etc.

   1~9 must be set to 000 before Memory Block 1-1-47 can be used to set extension range.

Call Arrival Key Block Assignment

General Description

Use this Memory Block to specify the number of Call Arrival keys that can be used in the system.

Display

Data No.	Title	Setting Data

```
0 4 : C A R   A S S I G N   | 0 1
    T I M E     D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Port 01~04	Port 05~08	Port 0 9~12	Port 13~16
LK 5	**LK 6**	**LK 7**	**LK 8**
Port 17~20	Port 21~24	Port 25~28	Port 29~32

(Page 2)

LK 1	LK 2	LK 3	LK 4
Port 33~36	Port 37~40	Port 41~44	Port 45~48
LK 5	**LK 6**	**LK 7**	**LK 8**
Port 49~52	Port 53~56	Port 57~60	Port 61~64

(Page 3)   No Call Arrival Key Blocks are assigned.

LK 1	LK 2	LK 3	LK 4
Port 65~68	Port 69~72	Port 73~76	Port 77~80
LK 5	**LK 6**	**LK 7**	**LK 8**
Port 81~84	Port 85~88	Port 89~92	Port 93~96

(Page 4)

LK 1	LK 2	LK 3	LK 4
Port 97~100	Port 101~104	Port 105~108	Port 109~112
LK 5	**LK 6**	**LK 7**	**LK 8**
Port 113~116	Port 117~120		

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK2 + (0 OPER) (4 GHI) to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option. LK is green = block assigned for CAR LK is red = block not available for CAR (hardware is installed)	**Default Values** No Call Arrival Key Blocks are assigned. Hardware equipped ports are red.
4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming.

1. The Xen Master (V1.XX, V2.XX and V3.XX) system allows a maximum of 120 ports to be shared by station ports (ESI, SLI, VMS) and Call Arrival Keys. If 32 station ports are being used, 88 remain for use as Call Arrival Keys.

2. The Xen Axis (V1.XX and V2.XX) system allows a maximum of 32 ports to be shared by station ports (ESI, SLI, VMS) and Call Arrival Keys. If 24 station ports are being used, 8 remain for use as Call Arrival Keys.

3. The Xen Axis V3.XX system allows a maximum of 32 physical ports to be shared by station ports (ESI, SLI, VMS) and Call Arrival keys, but has 16 extra Call Arrival keys which expand the maximum CAR key assignment to 40. If 32 ports are being used, 16 Call Arrival keys remain to be used.

	Maximum Ports Physical	Maximum Physical Ports + CAR Ports	Maximum CAR Ports Only
MASTER V1.XX ~ V3.XX	120	120	112
AXIS V1.XX + V2.XX	32	32	24
AXIS V3.XX or Higher	32	48	40

Specified Station Access Code Assignment

System Mode
1
Submode
2
Data No.
08
PC Programming
[Alt]**+BA**

General Description

Use this Memory Block to assign specific stations to be called using abbreviated dialling. Up to 24 stations can be assigned.

Display

		Specified Station Access Code 00~23	Tel. Port No. 00~99 A0~A9 B0~B9C0
Data No.	Title		

```
0 8 : S P C L   E X T 0 0   =   0 1
      T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + (0 OPER) (8 TUV) to access the Memory Block.
3	Enter the options using the dial pad.

Note: Use the following to enter data:

- (＊) to move the cursor left
- (＃) to move the cursor right
- (Hold) to clear data

Setting Data

Tel. Port No. 01~120

Specified Station Access Code is 00~23

Default Values

Access Code No.	Value
00	01
01-23	Not Set

4	Press (Transfer) to display the Tel. Port No. 01.
5	After entering the Specified Station No. Access Code, press (Transfer) to advance to the next Station No.
6	Press (Transfer) to write the data.
7	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-4-14	Automated Attendant Message Access Code (1-Digit) Assignment
1-4-15	Automated Attendant Message Access Code (2-Digit) Assignment

1. Specified stations can be accessed from intercom (ICM) dial tone or as an outside caller calling into the Xen system via Auto Attendant.
2. The Specified Access Code is assigned in Memory Blocks 1-1-46 Access Code (1-Digit) Assignment or 1-1-47 Access Code (2-Digit) Assignment.

Customised Message 1~10 Assignment

System Mode
1
Submode
2
Data No.
09~18
PC Programming
Alt +BI

General Description

Use this Memory Block to program various messages for display at a station LCD. When a user places an intercom (ICM) call from a station equipped with an LCD display to a station in DND mode, the appropriate programmed message displays at the calling station.

Display

Data No. | Setting Data (13 Digits max.)

```
0 9 : D O N ' T D I S T U R B

T I M E     D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + ⓪ ⑨ ~ ① ⑧ to access the Memory Block.

3	Enter the options using the dial pad.	**Default Values**

Note: Use the following enter data:

* to move the cursor left

\# to move the cursor right

⓪ ~ ⑨ to enter numeric data

Hold to clear data

Data No.	Message
09	DON'T DISTURB
10	MEETING
11	BUSINESS TRIP
12	NOT IN
13	WITH GUEST
14	OUT OF OFFICE
15~18	Not Specified

4	Enter the characters to be displayed. Refer to Section 7, Character Code Tables.
5	After entering all data for Memory Block 1-2-09~18 Customised Message 1~10 Assignment, press Transfer to write the data.
6	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Ten messages are available, the first six are assigned at default.

Intercom Ring Pattern Selection

System Mode
1
Submode
2
Data No.
19
PC Programming
[Alt]**+BI**

General Description

Use this Memory Block to select a ring pattern when intercom calls are made.

Display

```
  Data                             Setting
  No.            Title              Data    Page

 1 9 : I C M   P T N           B | 1

      T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Tone Off	Tone On	Pattern A	Pattern B
LK 5	**LK 6**	**LK 7**	**LK 8**
Pattern C	Pattern D	Pattern E	Pattern F

(Page 2)   The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
Pattern G	Pattern H		
LK 5	**LK 6**	**LK 7**	**LK 8**

Programming Procedures

1	Go off-line.
2	Press LK1 + L2 + ① ⑨(wxyz) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. **Note:** Use the following to enter data: 　　　[Recall] to go to the next page 　　　[Feature] to go to the previous page
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

The Ring Patterns are listed in the table below:

s= seconds

Pattern	Line Key	0s	1s	2s	3s	4s	5s	6s
Tone Off	LK 1							
Tone On	LK 2							
A	LK 3							
B	LK 4							
C	LK 5							
D	LK 6							
E	LK 7							
F	LK 8							
G	LK 1 (Pg. 2)							
H	LK 2 (Pg. 2)							

Intercom Ring Tone Selection

System Mode
1
Submode
2
Data No.
20
PC Programming
[Alt]+BI

General Description

Use this Memory Block to select a ring tone for intercom calls.

Display

Data No.	Title	Setting Data

```
2 0 : I C M   T O N E        A
```
```
T I M E      D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Tone A	Tone B	Tone C	Tone D
LK 5	LK 6	LK 7	LK 8
Tone E	Tone F	Tone G	Tone H

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + ② ⓪ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

The available tones are:

Tone A = (480/600):   Modulation (16 Hz)
Tone B = (480/606):   Modulation (8 Hz)
Tone C = (1024/1285)
Tone D = (1024)
Tone E = (500)
Tone F = (1024/1285):   Modulation (16 Hz)
Tone G = (600/700):   Modulation (16 Hz)
Tone H = (1024)   Envelope 2 sec.

PHS Telephone Assignment

General Description

Use this Memory Block to specify the number of PHS Telephones that can be used in the system.

Display

Data No.	Title	Setting Data
0 4 :	P H S A S S I G N	0 1
	T I M E D I S P L A Y	

System Mode
1
Submode
2
Data No.
21
PC Programming
Alt +**AP**

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Port 01~04	Port 05~08	Port 0 9~12	Port 13~16
LK 5	LK 6	LK 7	LK 8
Port 17~20	Port 21~24	Port 25~28	Port 29~32

(Page 2)

LK 1	LK 2	LK 3	LK 4
Port 33~36	Port 37~40	Port 41~44	Port 45~48
LK 5	LK 6	LK 7	LK 8
Port 49~52	Port 53~56	Port 57~60	Port 61~64

(Page 3)   No PHS Telephones are assigned.

LK 1	LK 2	LK 3	LK 4
Port 65~68	Port 69~72	Port 73~76	Port 77~80
LK 5	LK 6	LK 7	LK 8
Port 81~84	Port 85~88	Port 89~92	Port 93~96

(Page 4)

LK 1	LK 2	LK 3	LK 4
Port 97~100	Port 101~104	Port 105~108	Port 109~112
LK 5	LK 6	LK 7	LK 8
Port 113~116	Port 117~120		

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK2 + (0 OPER) (4 GHI) to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option. LK is green = block assigned for PHS Telephones LK is red = block not available for PHS (hardware is installed)	**Default Values** No PHS Telephones are assigned. Hardware equipped ports are red.
4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

1. The Xen Master system allows a maximum of 120 ports to be shared by station ports (ESI, SLI, VMS, CAR Keys and PHS Telephones). If 32 station ports are being used, 88 remain for use as PHS Telephones.

2. The Xen Axis system allows a maximum of 32 ports to be shared by station ports (ESI, SLI, VMS and CAR Keys) and PHS Telephones. If 24 station ports are being used, 8 remain for use as PHS Telephones.

Call Forward No Answer Timer Selection

General Description

Use this Memory Block to specify the time before incoming intercom calls or incoming CO/PBX lines are forwarded to another station number if the called party does not answer.

Display

Data No.	Title	Setting Data

```
2 2 : F W D   N O A N S      8 s
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
4 sec.	8 sec.	12 sec.	18 sec.
LK 5	LK 6	LK 7	LK 8
24 sec.	30 sec.	60 sec.	

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + ②ABC ②ABC to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment
1-2-01	Intercom Call Voice/Tone Signal Selection
1-8-08	Class of Service (Station) Feature Selection 2
4-17	Station to Class of Service Feature Assignment
4-43	Call Forward-Busy Immediately/Delay Selection

1. For ACD Call Forward No Answer time refer to Memory Block 1-8-40.
2. This will effect ICM, DIT, DID, TLI calls. CO Ringing Assigned Calls do not follow this Memory Block setting.

System Call Park Recall Time Selection

General Description

Use this Memory Block to specify the time before a CO/PBX call recalls back to a station from Call Park.

Display

Data No.	Title	Setting Data

```
2 3 : P A R K   R E C L   1 . 0
      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
.5 min.	1 min.	1.5 min.	2 min.
LK 5	LK 6	LK 7	LK 8
3 min.	5 min.	8 min.	10 min.

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + ② ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Intercom Feature Access Code Assignment

General Description

Use this Memory Block to assign the Access Code for Voice/Tone change or Step Call.

Display

Data No.	Title	Setting Data

```
2 4 : F E A   A C ( 0 ) = 0 0 4
        T I M E     D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + ② ④ to access the Memory Block.
3	Use the dial pad to enter the Setting Data.

Note: Use the following to enter data:

- ✱ to move the cursor left
- # to move the cursor right
- ⓪ ~ ⑨ to enter numeric data

Setting Data

Setting Code	Feature
000	Not Used
001	Voice/Tone Switching
002	Step Call
003	Tone Override
004	Automatic Callback
005	Callback Request
006	Voice Over Originate
007	Quick Transfer to Voice Mail

Default Values

Dial Numbers
0 = 004
1 = 001
2 = 002
3~5 = 000
6 = 006
7 = 007
8,9 = 000
✱ = 003
= 005

4	Press (Transfer) to write the data and advance to the next Dial No.
5	After entering all data, press (Transfer) to write the data.
6	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-2-01	Intercom Call Voice/Tone Signal Selection
1-8-08	Class of Service (Station) Feature Selection 2
1-8-26	Voice Mail Quick Transfer Master Hunt Number
4-17	Station to Class of Service Feature Assignment

1. Features can be assigned to more than one dial number.
2. To enter ✱ or # under Dial Numbers Selection, press (Redial) + ✱ or #.

Internal Paging Alert Tone Selection

General Description

Use this Memory Block to determine whether or not a call alert tone is provided when Internal Paging is used.

System Mode
1
Submode
2
Data No.
25
PC Programming
[Alt]**+BP**

Display

Data No.	**Title**	**Setting Data**

```
2 5 : I N   P G   T O N       B T
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Tone YS	Tone NO		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + ② ⑤ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Delayed Ringing Timer Assignment (ICM)

System Mode
1
Submode
2
Data No.
26
PC Programming
[Alt] **+ BI**

General Description

Use this Memory Block to assign the delayed ringing timer for incoming internal calls.

Display

Data No.	Title	Setting Data

```
2 6 : D R I N G ( 1 )   = 1 0
      T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + (2 ABC) (6 MNO) to access the Memory Block.
3	Enter data using the dial pad. **Default Values** 10 seconds
4	Press (Transfer) to write data.
5	Press (Speaker) to go back on-line.

PS Out of Area Tone Selection

General Description

Use this Memory Block to specify whether a call to a PS Handset which is currently out of coverage area will receive Busy Tone (BT) or Ring Back Tone (RBT).

Display

```
Data
No.                Title              Setting
                                      Data

2 8 : P S   T O N E     = B T

      T I M E     D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
BT	RBT		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + ②ABC ⑧TUV to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Ring Back Tone is the ringing tone head by the caller.

Refer to feature and specification M6, Multi-zone Digital Cordless for instructions with VM when PHS phone is set to CFBNA and turn off or out of area.

PS Out of Area Timer Selection (BSU only)

System Mode
1
Submode
2
Data No.
30
PC Programming
[Alt] **+AP**

General Description

Use this Memory Block to specify the retry time when a Dterm PS is Out of Area.

Display

Data No.	Title	Setting Data Data 00~99

```
3 0 : O U T   T I M E R = 0 8 s
      T I M E     D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK2 + ③ ⓪ to access the Memory Block.	
3	Use the Dial Pad to enter the setting data **Note:** Use the following to enter data: ✳ to move the cursor left # to move the cursor right	**Default Values** 12 sec **Setting Data** 00~99
4	Press [Transfer] to write data.	
5	Press [Speaker] to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

Ring Back Tone is the ringing tone heard by the caller.

Refer to feature and specification M6, Multi-zone Digital Cordless for instructions with VM when PHS phone is set to CFBNA and turn off or out of area.

MB1-2-30 = 00 seconds   **Follows 1-2-22 timer (BNA)**

MB1-2-28 PHS off	Setting BT	Returned to call RBT	
	Setting RBT	Returned to call RBT	
MB1-2-28 PHS Busy	Setting BT	Returned to call RBT	
	Setting RBT	Returned to call RBT	

MB1-2-30 = XX seconds   **Follows 1-2-30 timer**

MB1-2-28 PHS off	Setting BT	Returned to call BT	
	Setting RBT	Returned to call BT	
MB1-2-28 PHS Busy	Setting BT	Returned to call RBT	
	Setting RBT	Returned to call RBT	

Requires System Software version 2.0 or higher.

Call Pickup Group - Direct

General Description

Text to be inserted

Display

Data No.	Title	0~9 Group	0~30 Entry	Setting Data

```
3 1 : P I C K O / 0 1     =

      T I M E     D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK2 + ③ ① to access the Memory Block.

3	Use the dial pad to enter the Call Pickup Group followed by extension number.
	
	Note: Use the following to enter data:
	  ⊛ to move the cursor left
	  ⧣ to move the cursor right
		Setting Data
		Groups = 0~9 Groups
		Extensions per Group = 01~30

4	Press (Transfer) to write data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment

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Bounce Protect Time Selection

System Mode
1
Submode
3
Data No.
01
PC Programming
Alt **+BTI**

General Description

Use this Memory Block to specify the time before a valid hookflash is detected from a Single Line Telephone or Voice Mail system.

Display

Data No.	Title	Setting Data	Page No.

```
0 1 : B N C E      3 0 0 m s | 1
        T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
0 ms.	100 ms.	200 ms.	300 ms.
LK 5	LK 6	LK 7	LK 8
400 ms.	500 ms.	600 ms.	700 ms.

(Page 2)

The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
800 ms.	900 ms.	1000 ms.	1100 ms.
LK 5	LK 6	LK 7	LK 8
1200 ms.	1300 ms.	1400 ms.	1500 ms.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK3 + (0 OPER) (1) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-3-05	Hookflash Start Time Selection

Bounce Protect Time should be equal to Hookflash Start Time in Memory Block 1-3-05 Hookflash Start Time Selection.

SLT Hookflash Signal Selection

General Description

Use this Memory Block to specify whether a line is held internally, or if behind a PBX, a hookflash (HF) signal is sent to the line when a Single Line Telephone user performs a hookflash.

Display

```
Data                    Setting
No.         Title        Data

0 2 : S I G N A L   H 0 L D

        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Hold	Flash		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK3 + ⓪ ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-02	Hookflash Time Selection
4-24	SLT Hookflash Assignment

1. If Hold is specified, the CO/PBX line is put on Exclusive Hold.

2. If Hold is selected, the PBX/CTX line can receive the hookflash signal via Access Code **6#** (default).

3. If Flash is specified, press the hookswitch to send the hookflash signal to the PBX/CTX line.

First Digit PBR Release Timer Selection

System Mode
1
Submode
3
Data No.
03
PC Programming
[Alt]**+BTI**

General Description

Use this Memory Block to specify how long a Push Button Receiver (PBR) receiver circuit is connected when a dual-tone multifrequency (DTMF) Single Line Telephone user goes off-hook. After the timer expires the PBR is disconnected. If the Single Line Telephone user dials a digit before the timer expires, a PBR interdigit timer starts.

Display

Data No.	Title	Setting Data
0 3 : P B R	R L S	1 0 s
	T I M E D I S P L A Y	

Settings

LK 1	LK 2	LK 3	LK 4
10 sec.	20 sec.	30 sec.	40 sec.
LK 5	LK 6	LK 7	LK 8
50 sec.	60 sec.		

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK1 + (0 OPER) (3 DEF) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-8-10	PBR Interdigit Release Timer Selection
4-93	DTMF/DP SLT Type Selection

Dial 1 (DP) Hookflash Selection

System Mode
1
Submode
3
Data No.
04
PC Programming
[Alt] **+ BTI**

General Description

Use this Memory Block to specify whether or not pressing 1 during an intercom call or a CO/PBX call on a dial pulse (DP) Single Line Telephone provides a hookflash signal.

Display

Data No.	Title	Setting Data

```
0 4 : D I A L 1 F L S H        Y S
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Yes	No		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK3 + ⓪ ④ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-62	SLT Data Line Security Assignment
4-93	DTMF/DP SLT Type Selection

Hookflash Start Time Selection

General Description

Use this Memory Block to specify the minimum hookflash duration from Single Line Telephone.

Display

Data No.	Title	Setting Data	Page No.

```
0 5 : F L S H   S T       4 0 | 1
        T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
40 ms.	90 ms.	140 ms.	190 ms.
LK 5	LK 6	LK 7	LK 8
240 ms.	290 ms.	340 ms.	390 ms.

(Page 2)   The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
440 ms.	490 ms.	540 ms.	590 ms.
LK 5	LK 6	LK 7	LK 8
640 ms.	690 ms.	740 ms.	790 ms.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK3 + (0 OPER) (5 JKL) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-3-01	Bounce Protect Time Selection
1-3-06	Hookflash End Time Selection

1. Press hookswitch during CO/PBX call to place the line on hold or send hookflash to CO/PBX.
2. Bounce Protect Time [Memory Block 1-3-01 Bounce Protect Time Selection] and Hookflash Start Time must be equal.

Hookflash End Time Selection

General Description

Use this Memory Block to specify the maximum hookflash duration from a Single Line Telephone to receive a second dial tone.

Display

Data No.	Title	Setting Data	Page No.

```
0 6 : F L S H   E N D = 0 1 | 1
        T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
00 (HST + 0 ms.)	01 (HST + 100 ms.)	02 (HST + 200 ms.)	03 (HST + 300 ms.)
LK 5	LK 6	LK 7	LK 8
04 (HST + 400 ms.)	05 (HST + 500 ms.)	06 (HST + 600 ms.)	07 (HST + 700 ms.).

(Page 2)

LK 1	LK 2	LK 3	LK 4
08 (HST + 800 ms.)	09 (HST + 900 ms.)	10 (HST + 1000 ms.)	11 (HST + 1100 ms.)
LK 5	LK 6	LK 7	LK 8
12 (HST + 1200 ms.)	13 (HST + 1300 ms.)	14 (HST + 1400 ms.)	15 (HST + 1500 ms.)

The shaded area indicates the default setting.

HST = Hookflash Start Time

Programming Procedures

1	Go off-line.
2	Press LK1 + LK3 + ⓪ ⑥ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-3-05	Hookflash Start Time Selection

Voice Mail Digit Add Assignment

General Description

Use this Memory Block to assign up to four digits in front of the station number sent to the voice mail when a call is forwarded.

Display

```
Data
No.              Title              Setting
                                    Data

0 7 : V M   A C E S S =

        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK3 + (0) (7) to access the Memory Block.
3	Use the dial pad to enter data. **Default Values** All Blank
	Note: Use the following to enter data:
	(0) ~ (9) to enter numeric data
	[Redial] + (✱) to enter ✱ input
	[Redial] + (#) to enter # input
	Setting Data: 0~9, ✱, # (Up to 4 digits)
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-35	Voice Mail/SLT Selection

Voice Mail DTMF Delay Timer Selection

System Mode
1
Submode
3
Data No.
08
PC Programming
Alt **+AV**

General Description

Use this Memory Block to specify the delay time before dual-tone multifrequency (DTMF) tones are sent from Voice Mail Interface (VMI) ports.

Display

Data No.	Title	Setting Data

```
0 8 : V M   D E L A Y   =   1 S
      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
0 sec.	1 sec.	2 sec.	3 sec.
LK 5	LK 6	LK 7	LK 8
4 sec.	5 sec.	6 sec.	8 sec.

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK3 + (0 OPER) (8 TUV) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-35	Voice Mail/SLT Selection

This Memory Block applies to both digital voice mail and analogue voice mail ports.

Voice Mail Disconnect Time Selection

General Description

Use this Memory Block to specify the length of a disconnect signal sent to the voice mail equipment.

Display

Data No.	Title	Setting Data

```
0 9 : V M   D S C O N = 1 . 5 s
      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
0.5 sec.	1.0 sec.	1.5 sec.	2.0 sec.
LK 5	LK 6	LK 7	LK 8
3.0 sec.	3.5 sec.		

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK3 + (0 OPER) (9 WXYZ) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-35	Voice Mail/SLT Selection

Voice Mail DTMF Duration/ Interdigit Time Selection

General Description

Use this Memory Block to specify dual-tone multifrequency (DTMF) duration and interdigit time for Voice Mail.

Display

```
Data
No.             Title              Setting
                                   Data

  1 0 : V M   M F = 1 1 0 / 8 0

      T I M E   D I S P L A Y
```
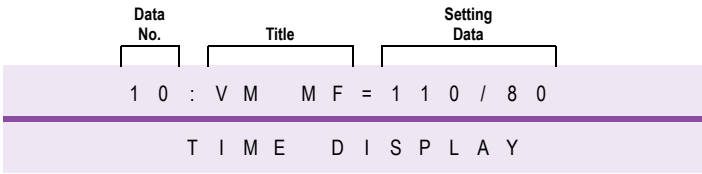
Settings

LK 1	LK 2	LK 3	LK 4
60/70 ms.	110/80 ms.	410/100 ms.	610/100 ms.
LK 5	LK 6	LK 7	LK 8
810/190 ms.			

The shaded area indicates the default setting for a Duration Time/Interdigit Time

Programming Procedures

1	Go off-line.
2	Press LK1 + LK3 + ⑦ ⓪(OPER) to access the Memory Block.
3	Press the corresponding CO/PBX key to change data option. **Default Values** Duration Time: 110 ms. Interdigit Time: 80 ms.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-35	Voice Mail/SLT Selection

Tandem Transfer Automatic Disconnect Timer Selection

System Mode
1
Submode
4
Data No.
00
PC Programming
Alt **+AT**

General Description

Use this Memory Block to specify maximum time before the system automatically disconnects a Trunk-to-Trunk connection.

Display

Data No.	Title	Setting Data

```
0 0 : A U T O   D I S        0 6 0
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
30 min.	1 hr.	2 hr.	3 hr.
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + (⓪ OPER) (⓪ OPER) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option or enter the time required in minutes **Default Values** 060 min **Setting Data** 000~999 (Software Version 2.xx or later)
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

This block is used for Direct Inward System Access (DISA), Trunk-to-Trunk Transfer, Call Forward - Off Premise, and Tie line tandem features.

Automated Attendant First Digit PBR Release Timer Selection

General Description

Use this Memory Block to specify the time a Push Button Receiver (PBR) circuit remains connected after the Automated Attendant message is played when a calling party calls in through an Automated Attendant trunk.

Display

Data No.	Title	Setting Data

```
0 1 : A A   P B R T I M E 2 0 s
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
5 sec.	10 sec.	20 sec.	30 sec.
LK 5	LK 6	LK 7	LK 8
40 sec.	50 sec.	60 sec.	

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + (⁰OPER) (⁷) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

After PBR is connected, dialling must be completed in the specified time. After the first digit is dialled, interdigit timing (default 7 sec.) controls the PBR timer. Dialing the third digit exceeds the 20 sec. default, and the PBR is disconnected.

Automated Attendant Transfer/DID Line - Delayed Ringing Time Selection

General Description

This Memory Block is used to specify the time that a call is ringing at a station before an automated attendant transferred call or DID call rings a predetermined station.

Display

Data No.	Title	Setting Data

```
0 2 : A A   D L Y R N G        ∞
T I M E      D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
10 sec.	20 sec.	30 sec.	∞
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + ⓪ ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-01	CO/PBX Ring Assignment (Day Mode)
4-02	CO/PBX Ring Assignment (Night Mode)

Example:

Time Elapsed

In this example, Public Switching Telephone Network (PSTN) and the system are connected by Trunk 1. Stations A (extension 100) and C (extension 102) are ring assigned to Trunk 1. Trunk 1 is assigned to Automated Attendant trunk.

1. To speak to station user A, the outside user D dials the telephone number for TRUNK 1, confirms the Automated Attendant message, and dials extension 100.

2. In the example at station A:

   ✆ The ICM LED blinks and a ring tone that is different from the normal ringing tone is heard.

   ✆ The call can be answered by lifting the handset.

   ✆ Station users B and C cannot answer the call by pressing the line key on the Multiline Terminals.

3. In the example, if station user A does not answer in the specified time:

   ✆ The ringing tone changes to the normal tone and station C starts ringing.

   ✆ Any station (A, B, or C) user can answer the call by pressing the flashing line key.

4. Selecting No Limit (∞) disables this feature.

Automated Attendant No Answer Disconnect Time Selection

System Mode	**1**
Submode	**4**
Data No.	**03**
PC Programming	[Alt] **+ AU**

General Description

Use this Memory Block to establish how long the Automated Attendant rings a station before automatically disconnecting the caller.

Display

```
 Data
 No.              Title                    Setting
                                            Data

     0 3 : A A    D I S              2  m

              T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
1 min.	2 min.	3 min.	4 min.
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + ⓪ ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming
3-39	Automatic Release Selection

If the called party does not answer in the predetermined time, the call is dropped.

1. If Busy Tone Detector is enabled in Memory Block 3-39, then disconnection of an abandoned call during an Automated Attendant message will be performed by the Trunk Card.

2. If Busy Tone Detector is not enabled, then Abandoned Call will continue to ring in the system for the duration of the time set in Memory Block 1-4-03.

Tandem Transfer SMDR Print Extension Assignment

General Description

Use this Memory Block to specify a special number to be output from Station Message Detail Recording (SMDR) to indicate an automatic Trunk-to-Trunk transfer.

Display

Data No.	Title	Setting Data

```
0 4 : T A N D   E X T =   9 9 9
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + (0 OPER) (4 GHI) to access the Memory Block.
3	Use the dial pad to enter the Table Number and Setting Data. **Default Values** 3-digit number = 999
	Note: Use the following to enter data:
	(∗) to move the cursor left
	(#) to move the cursor right
	Setting Data Allowed
	2-Digit Number:00~99
	3-Digit Number:000~999
	4-Digit Number:0000~9999
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-2-03	2-, 3-, or 4-Digit Station Number Selection

1. When the system is powered up initially, this block defaults to 3-digit number 999.
2. If 2-digit station numbers are selected, this block defaults to 99.
3. If 4-digit station numbers are selected, this block defaults to 9999.

Automatic Tandem Trunk by Night Mode Selection

System Mode
1
Submode
4
Data No.
05
PC Programming
[Alt] **+AT**

General Description

This Memory Block is used to establish whether or not the Automatic Trunk-to-Trunk Transfer feature follows the Night Mode assignment.

Display

Data No.	Title	Setting Data

```
0 5 :  T A N D   B Y   N T    N O
       T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + (0) (5) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-27	Automatic Day/Night Mode Switching Time Assignment
1-1-33	Speed Dial Number/Name Display Selection
3-05	Trunk Incoming Answer Mode Selection
3-06	Automatic Tandem Trunk Assignment

Automated Attendant PBR Timeout Response Selection

General Description

Use this Memory Block to specify how a call answered by the Automated Attendant should be processed if a dual-tone multifrequency (DTMF) tone is not received.

Display

Data No.	Title	Setting Data

```
0 8 : A A   R E S   N O R M A L
      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Normal Call	Release		
LK 5	**LK 6**	**LK 7**	**LK 8**

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + ⓪ ⑧ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

1. When Normal Call is selected, and a DTMF tone is not received during the Automated Attendant message or during the Automated Attendant Push Button Receiver (PBR) Release Timer time (20-second default), the system rings selected stations using Memory Block 4-01 [CO/PBX Ring Assignment (Day Mode)] or Memory Block 4-02 CO/PBX Ring Assignment (Night Mode).

2. When Release is selected, and a DTMF tone is not received during the Automated Attendant message or during the Automated Attendant PBR Release Timer time (20-second default), the system drops the call after 30 seconds regulated by a fixed timer.

Automated Attendant PBR Start Time Selection

System Mode
1
Submode
4
Data No.
09
PC Programming
[Alt]**+AU**

General Description

This Memory Block is used to specify whether the Push Button Receiver (PBR) can receive dual-tone multifrequency (DTMF) signaling while the Automated Attendant is sending the message or after the message is complete.

Display

Data No.	Title	Setting Data
0 9 : P B R S T R T		F R
	T I M E D I S P L A Y	

Settings

LK 1	LK 2	LK 3	LK 4
FR	AF		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + (0 OPER) (9 WXYZ) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Setting Data:
	FR: While the Automated Attendant sends the message.
	AF: After the Automated Attendant sends the message.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

When FR is assigned, the Automated Attendant message send start time and the PBR connected to Automated Attendant trunk start time are the same.

Automated Attendant Message Day/ Night Mode Selection

General Description

Use this Memory Block to specify Automated Attendant messages that are available for use in a Day/Night Mode setting.

Display

Data No.	Title	A.A. Msg. No. 1~8	Day/Night Mode	Setting Data

```
1 1 : A A M S G 1 ( D Y ) = N O
         T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Yes	No		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + ⑦ ⑦ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.
	Use the dial pad to enter A.A. message number.
	Note: Use the following to enter data:
	⑦ ~ ⑧ to enter numerical data
	Redial to toggle between Day Mode and Night Mode
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

1. This Memory Block must be set to YES for Automated Attendant to be enabled.

Automated Attendant Message to Tenant Assignment

General Description

Use this Memory Block to assign Automated Attendant Messages to Tenant.

Display

Data No.	Title	A.A. No. 1~8		Setting Data

```
1 2 : A A       1 T N A T = 0 0
          T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + ① ② to access the Memory Block.	
3	Use the dial pad to enter data.	**Default Values**
	Note: Use the following to enter data:	All Automated Attendant Messages: Tenant No. 00
	① ~ ⑧ to enter Automated Attendant message number.	
	⓪ ~ ⑨ to enter Tenant Number.	
4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

If a tenant is not assigned to a specific automated message, the Automated Attendant sends the message assigned in Memory Block 1-4-11 Automated Attendant Message Day/Night Mode Selection.

Automated Attendant Answer Delay Time Assignment

General Description

Use this Memory Block is assign the number of seconds before the Automated Attendant answers an incoming CO/PBX call.

Display

Data No.	Title	A.A. Msg. No. 1~8		Setting Data

```
1 3 : A A D L Y 1        = 0 4 s
```
```
         T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + ⑦ ③ to access the Memory Block.	
3	Use the dial pad to enter data.	**Default Values**
	Note: Use the following to enter data:	All Automated Attendant Messages: 4 sec.
	⑦ ~ ⑧ to enter Automated Attendant message number	
	⓪ ⓪ ~ ⑨ ⑨ to enter number of seconds.	
4	Press (Transfer) to write the data, and advance to the next A.A.No.	
5	After the last entry, press (Transfer) to write the data.	
6	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

Automated Attendant Message Access Code (1-Digit) Assignment

System Mode
1
Submode
4
Data No.
14
PC Programming
Alt + **AU**

General Description

Use this Memory Block to enter a 1-digit code to route an incoming call from the Automated Attendant.

Display

Data No.   Title   A.A. Msg. No. 1~8   Dial No. 0~9   Setting Data

```
1 4 : A A   A C   1 = 0 = 0 3 0
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + ① ④ to access the Memory Block.
3	Use the dial pad to enter data.

Default Values

Dial Number	Function Code	Contents
9	030	Specified Station Call (0)
1	010	Station Number
2	010	Station Number
3	010	Station Number
0,4 ~ 8	000	Unregistered

For step 3:

> **Note:** Use the following to enter data:
> ① ~ ⑧ to enter Automated Attendant message number
> ⓪ ~ ⑨ to enter dial number
>
> **Setting Data Allowed**
> Function Code001~053 sec.
>
> **Note:** 000 is unused.

4	Press (Transfer) to write the data and advance to the next dial number then to each Automated Attendant number.
5	After all data is entered, press (Transfer) to write the data.
6	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

1. Function 011 (Bypass Automated Attendant) uses Memory Blocks 4-01 CO/PBX Ring Assignment (Day Mode) and 4-02 CO/PBX Ring Assignment (Night Mode) to ring according to those assignments.

2. If a caller receives a busy signal after being transferred by the Automated Attendant, the following Fixed Access Codes apply:

   ✆ ① Step Call

   ✆ ✳ Receive a second dial tone

   ✆ # CO rings based on Day/Night Ring Assignment

1-Digit Access Codes

Function Code	Contents	Function Code	Contents
000	Unregistered	027	
001	Automatic Attendant Message (1)	028	
002	Automatic Attendant Message (2)	029	
003	Automatic Attendant Message (3)	030	Specified Station Call (00). Refer to Memory Block 1-2-08 (Specified Station Access Code Assignment)
004	Automatic Attendant Message (4)	031	Specified Station Call (01)
005	Automatic Attendant Message (5)	032	Specified Station Call (02)
006	Automatic Attendant Message (6)	033	Specified Station Call (03)
007	Automatic Attendant Message (7)	034	Specified Station Call (04)
008	Automatic Attendant Message (8)	035	Specified Station Call (05)
009		036	Specified Station Call (06)
010	Internal Number (Station Number)	037	Specified Station Call (07)
011	Bypass Automated Attendant	038	Specified Station Call (08)
012		039	Specified Station Call (09)
013		040	Specified Station Call (10)
014		041	Specified Station Call (11)
015	Paging Zone A Call	042	Specified Station Call (12)
016	Paging Zone B Call	043	Specified Station Call (13)
017	Paging Zone C Call	044	Specified Station Call (14)
018		045	Specified Station Call (15)
019		046	Specified Station Call (16)
020	DSS 1 Call	047	Specified Station Call (17)
021	DSS 2 Call	048	Specified Station Call (18)
022	DISA Access Code	049	Specified Station Call (19)
023		050	Specified Station Call (20)
024		051	Specified Station Call (21)
025		052	Specified Station Call (22)
026		053	Specified Station Call (23)

Automated Attendant Message Access Code (2-Digit) Assignment

General Description

Use this Memory Block to enter a 2-digit code to route an incoming call from the Automated Attendant.

Display

Data No.	Title	A.A. Msg. No. 1~8	Dial No.	Setting Data

```
1 5 : A A     A C 1 = 0 0 = 0 3 0
      T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + ⑦ ⑤ to access the Memory Block.
3	Use the dial pad to enter data.

3 (continued)

Note: The following are used when entering data:

⓪ ~ ⑧   to enter Automated Attendant message number

⓪ ⓪ ~ ⑨ ⑨ to enter dial number

Default Values

Dial No.	Funct. Code	Contents
00 ~ 50	030	Specified Station Cal (0)
51	011	Bypass Automated Attendant
52	015	Paging Zone A Call
53	016	Paging Zone B Call
54	017	Paging Zone C Call
55 ~ 87	000	Not Used
88	020	DSS 1 Call
89	021	DSS 2 Call
90~99	000	Not Used

4	Enter Setting Data. Press (Transfer) to write the data and to advance the Dial Number.
5	After all data is entered, press (Transfer) to write the data.
6	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

Automated Attendant Message Repeat Selection

General Description

Use this Memory Block to specify the number of times a message from the Automated Attendant Is repeated to the calling party.

Display

```
  Data                          A.A. Msg.
  No.              Title         No.          Setting
                                 1~8          Data

   1 6 : A A M S G 1                  1

         T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
One Time	Two Times	Three Times	Four Times
LK 5	LK 6	LK 7	LK 8
Five Times	Six Times	Seven Times	Eight Times

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + ⑦ ⑥(MNO) to access the Memory Block.
3	Press the corresponding CO/PBX line to change data option. **Default Values** All Messages One Time
4	Press (Transfer) to write the data and advance to next Automated Attendant Number.
5	After all data is entered, press (Transfer) to write the data.
6	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

Automated Attendant Delay Announcement Hold Tone Selection

General Description

Use this Memory Block to specify the tone that is sent to the outside party after the Automated Attendant Delay Announcements are played.

Display

	Data No.	Title	Setting Data
	1 7 :	A A H O L D	R B T
		T I M E D I S P L A Y	

Settings

LK 1	LK 2	LK 3	LK 4
RBT	MOH		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + (7) (7 PQRS) to access the Memory Block.	
3	Press the corresponding CO/PBX line to change data option. **Example:** To change RBT to MOH, press CO/PBX line key 2.	**Default Values** All Messages One Time
4	Press (Transfer) to write the data and advance to Memory Block 1-4-18 Automated Attendant Delay Announcement Assignment	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-4-18	Automated Attendant Delay Announcement Assignment
1-4-19	Automated Attendant 1st to 2nd Delay Announcement Interval Time Selection
1-4-20	Automated Attendant Delay Announcement Disconnect Time Selection

Automated Attendant Delay Announcement Assignment

System Mode
1
Submode
4
Data No.
18
PC Programming
Alt **+AU**

General Description

Use this Memory Block to specify the order for the Automated Attendant messages that are played when in the Delayed Announcement Mode.

Display

	Data No.	1st Message No.	Title		Setting Data 2nd Message No.
	1 8 :	(1)	2 N D =		N O N E
			T I M E D I S P L A Y		

Settings

LK 1	LK 2	LK 3	LK 4
Not Specified (NONE)	MSG1	MSG2	MSG3
LK 5	LK 6	LK 7	LK 8
MSG4	MSG5	MSG6	MSG7
LK9	LK10	LK11	LK12
MSG8			

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + ⑦ ⑧ to access the Memory Block.	
3	Use the dial pad to enter the 1st message number. Use the Line Key to enter the Setting Data. **Note:** Use the following to enter data: ⊛ to move the cursor left ⌗ to move the cursor right ⓪ ~ ⑨ to enter numeric data	**Default Values** 1st Message No. 1~8 : Not Specified
4	Pressing Transfer will write the selected data and advance to Memory Block 1-4-19 Automated Attendant 1st to 2nd Delay Announcement Interval Time Selection	
5	Press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-4-19	Automated Attendant 1st to 2nd Delay Announcement Interval Time Selection
1-4-20	Automated Attendant Delay Announcement Disconnect Time Selection

1. This Memory Block must be set to YES for Automated Attendant to be enabled.
2. This Feature is **not** related to Memory Block 3-41 ACD/UCD Delay Announcement Assignment.

Automated Attendant 1st to 2nd Delay Announcement Interval Time Selection

General Description

Use this Memory Block to specify the interval time between the Automated Attendant Delay Announcement messages.

Display

Data No.	Title	Setting Data

1 9 :	1 s t I N T R V L	4 m
	T I M E D I S P L A Y	

Settings

LK 1	LK 2	LK 3	LK 4
Immediate (0s)	10 sec. (10s)	20 sec. (20s)	30 sec. (30s)
LK 5	LK 6	LK 7	LK 8
1 min. (1m)	2 min. (2m)	3 min. (3m)	4 min. (4m)
LK9	LK10	LK11	LK12
5 min. (5m)	10 min. (10m)	20 min. (20m)	

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + ⑦ ⑨ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. **Example:** To change 4 minutes to 10 seconds, press CO/PBX line key 2.
4	Press (Transfer) to write the selected data and advance to Memory Block 1-4-20 Automated Attendant Delay Announcement Disconnect Time Selection.
5	Press (Speaker) to go back on-line.

Default Values
Specified in the shaded area.

Related Programming

M.B. Number	Memory Block Name
1-4-18	Automated Attendant Delay Announcement Assignment
1-4-20	Automated Attendant Delay Announcement Disconnect Time Selection

Automated Attendant Delay Announcement Disconnect Time Selection

General Description

Use this Memory Block to establish how long the Automated Attendant rings the stations before disconnecting the caller. This Memory Block only applies when the Automated Attendant is set to the Delay Announcement Mode.

Display

Data No.	Title	Setting Data
2 0 :	2 n d I N T R V L	3 0 s
	T I M E D I S P L A Y	

Settings

LK 1	LK 2	LK 3	LK 4
Immediate (0s)	10 sec. (10s)	20 sec. (20s)	30 sec. (30s)

LK 5	LK 6	LK 7	LK 8
1 min. (1m)	2 min. (2m)	3 min. (3m)	4 min. (4m)

LK9	LK10	LK11	LK12
5 min. (5m)	10 min. (10m)	20 min. (20m)	

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + ②(ABC) ⓪(OPER) to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option. **Example:** To change 30 seconds to 10 seconds, press CO/PBX line key 2.	**Default Values** Specified in the shaded area.
4	Press [Transfer] to write the selected data and advance to Memory Block 1-5-02 SMDR Print Format.	
5	Press [Speaker] to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-4-18	Automated Attendant Delay Announcement Assignment
1-4-19	Automated Attendant 1st to 2nd Delay Announcement Interval Time Selection

Automated Attendant Extension Number Assignment

<table>
<tr><td><i>System Mode</i>
1
<i>Submode</i>
4
<i>Data No.</i>
21
<i>PC Programming</i>
Alt +AU</td></tr>
</table>

General Description

Use this Memory Block to assign the extension number of each AA message.

Display

Data No.	Title	A.A. Msg. No. 1~8	Setting Data

```
2 1 : A A M S G 1          =

      T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK4 + ② ① to access the Memory Block.
3	Use the dial pad to enter data. **Default Values** Not assigned.
	Note: Use the following to enter data:
	① ~ ⑧ to enter Automated Attendant message number
	⓪ ⓪ ~ ⑨ ⑨ ,
	⓪ ⓪ ⓪ ~ ⑨ ⑨ ⑨ ,
	⓪ ⓪ ⓪ ⓪ ~ ⑨ ⑨ ⑨ ⑨
	(Depends what length the extension number has been assigned in HB1-2-03.)
4	Press (Transfer) to write the data, and advance to the next A.A.No.
5	After the last entry, press (Transfer) to write the data.
6	Press (Speaker) to go back on-line.

Related Programming

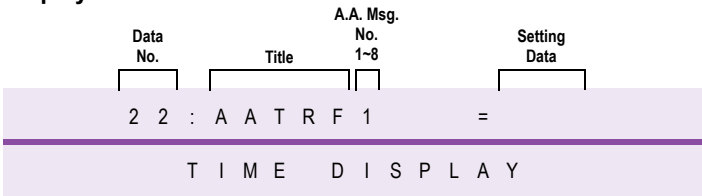| M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

1. Extension number should not be the same as the physical extension, CAR, ACD/UCD/SCD pilot number.
2. This memory block is applicable to main software Release 4.0 and above.

Automated Attendant Direct Extension Ring or Ring Assignment

System Mode
1
Submode
4
Data No.
22
PC Programming
Alt +AU

General Description

Use this Memory Block to ring at an extension or normal ringing after the AA PBR timer expires

Display

Data No.	Title	A.A. Msg. No. 1~8		Setting Data

```
2 2 : A A T R F 1          =
     T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK4 + ① ③ to access the Memory Block.	
3	Use the dial pad to enter data.	**Default Values** Not assigned.
	Note: Use the following to enter data:	
	✳ to move the cursor LEFT	
	✳ to move the cursor RIGHT	
	⓪ ~ ⑨ to enter numeric data	
	Press Hold to clear data at cursor.	
	Setting data:	
	⓪ ⓪ ~ ⑨ ⑨	
	⓪ ⓪ ⓪ ~ ⑨ ⑨ ⑨ ,	
	⓪ ⓪ ⓪ ⓪ ~ ⑨ ⑨ ⑨ ⑨	
	(Depends what length the extension number has been assigned in HB1-2-03.)	
4	Press Transfer to write the data, and advance to the next A.A.No.	
5	After the last entry, press Transfer to write the data.	
6	Press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

1. If extension number is not assigned, then the system follows the assignment of MB 1-4-08 (release or becomes a normal call).
2. The extension number can be physical, CAR or AA message.
3. This memory block is applicable to main software release 4.0 and above.

SMDR Print Format

General Description

Use this Memory Block to specify whether or not ALL digits are to be printed. If All is specified, all digits are printed. If MASK is specified, the last four digits are masked and XXXX is printed.

Display

Data No.	Title		Setting Data

```
0 2 : F O R M A T          A L L
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
All	Mask		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK5 + ⓪ ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-5-13	Printer Connected Selection

Printer Connected Selection

General Description

Use this Memory Block to program when a printer or PC is connected for SMDR use. If the printer is disconnected from the system, an alarm sounds at stations connected to Ports 01 and 02.

Display

Data No.	Title	Setting Data

```
1 3 :  P R I N T E R          N O
       T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	PC	Printer	
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK5 + ① ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-5-02	SMDR Print Format
1-5-23	Outgoing Mode Selection
1-5-25	SMDR Valid Call Timer Assignment
1-8-35	COM Port Baud Rate Setting Assignment
1-8-36	COM Port Parity/Stop Bit Setting Assignment

Station Message Detail Recording (SMDR) cannot be used if this Memory Block is programmed for No.

Printer Line Feed Control Selection

System Mode
1
Submode
5
Data No.
14
PC Programming
Alt **+AS**

General Description

This Memory Block specifies the format of the data sent to the Station Message Detail Recording (SMDR) printer. If YES is set, a carriage return is provided with the call record.

Display

Data No.	Title	Setting Data

```
1 4 : L I N E   F E E D       N O
      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Yes	No		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK5 + (1) (4/GHI) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-5-02	SMDR Print Format
1-5-13	Printer Connected Selection
1-5-25	SMDR Valid Call Timer Assignment

Example: Settings to specify the format of communication data output to the printer.

✆ Line Feed control in effect.

07/03/92	09:00	08-05-12	OG 123	
00:15:32	102885167537000		LCR	FWD234
12345678				

✆ No Line Feed control.

Outgoing Mode Selection

General Description

Use this Memory Block to specify whether a station's Extension Number or ID Number is to be printed in SMDR call records. Also, setting this to "ID" allows use of the Code Restriction Password Override facility, in preference to the Forced Account Code facility.

Display

Data No.	Title	Setting Data
2 3 : O G M O D E		I D
	T I M E D I S P L A Y	

Settings

LK 1	LK 2	LK 3	LK 4
TEL	ID		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK5 + ②ABC ③DEF to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-19	Line Selection for Automatic Outgoing Calls
1-1-46	DID Digit Length Selection
1-1-47	DID Digit Conversion Assignment
1-1-48	DID Forward Station Number for Undefined Digit
1-8-08	Class of Service (Station) Feature Selection 2
1-9-00	DISA/ID Code Assignment
1-9-02	DISA/ID Password Effect/Invalid Selection
1-9-03	ID Restriction Class Assignment (Day Mode)
1-9-04	ID Restriction Class Assignment (Night Mode)
4-26	DISA/ID Number Station Assignment
4-27	ID Outgoing Restriction Selection

SMDR Valid Call Timer Assignment

System Mode
1
Submode
5
Data No.
25
PC Programming
[Alt]**+AS**

General Description

Use this Memory Block to assign the minimum length of a call before the Station Message Detail Recording (SMDR) outputs a record of the outgoing CO/PBX call.

Display

```
Data
No.              Title              Setting
                                    Data

2 5 : S M D R    T I M = 0 0 0 S

        T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK5 + ② ⑤ to access the Memory Block.	
3	Use the dial pad to enter data. ✆ Minimum time assignment is 000 sec. ✆ Time assignment can be set from 000 sec.~990 sec. in increments of 10 (Setting Data: 00~99)	**Default Values** 0 seconds
4	Press ⟮Transfer⟯ to write the data.	
5	Press ⟮Speaker⟯ to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-1-05	Start Timer Selection
1-5-13	Printer Connected Selection

SMDR Incoming/Outgoing Print Selection

General Description

Use this Memory Block to specify the type of call records to be output from the Station Message Detail Recording (SMDR): OUT = print outgoing call records only, INC = print incoming call records only, ALL = print incoming and outgoing call records.

Display

Data No.	Title	Setting Data

```
2 6 : P R I N T   M O D = A L L
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
All	Out	INC	
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK5 + ②ABC ⑥MNO to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-5-13	Printer Connected Selection

Attendant Add-On Console to Telephone Port Assignment

General Description

Use this Memory Block to assign an Attendant Add-On Console to a telephone port number.

Display

Data No.	Title	DSS No. 1~4		Setting Data

```
0 1 : D S S    1 = P       0 1
        T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK6.
3	Use ✳ to move cursor to the second Data No. position and press ⑴ to access the Memory Block.
4	Use the dial pad to enter the data.

Default Values

DSS		Tel Port No.
1	›	01
2	›	02
3	›	01
4	›	02

Under item 4:

Note: Use the following to enter data:

✳ to move the cursor left

to move the cursor right

⓪ ~ ⑨ to enter numeric data

5	Press Transfer to write the data.
6	Change the data using the dial pad.
7	Press Transfer to write the data.
8	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
7-2	Telephone Type Assignment

1. The telephone with an Attendant Add-On Console connected must be specified by port number.
2. A maximum of four Attendant Add-On Consoles can be connected to a system.
3. A maximum of four Attendant Add-On Consoles can be connected to one telephone.

DSS Call Voice/Tone Signal Selection

System Mode
1
Submode
6
Data No.
03
PC Programming
Alt **+BTD**

General Description

Use this Memory Block to specify which is to be used first, Voice or Tone signaling, when calling an extension from an Attendant Add-On Console.

Display

```
Data                    Setting
No.                      Data
```

```
0 3 : V O I C E     C A L L
      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Tone	Voice		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK6.
3	Use ✳ to move cursor to the second Data No. position and press ③ to access the Memory Block.
4	Press the corresponding CO/PBX line key to change the data option.
5	Press (Transfer) to write the data.
6	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-6-01	Attendant Add-On Console to Telephone Port Assignment

1. Voice/tone signaling can also be switched by dialling 1 from a station.
2. If tone signaling is programmed in this Memory Block, the called party cannot answer handsfree unless the Direct Station Select (DSS) station switches it to Voice by dialling 1.

Attendant Add-On Console Key Selection

General Description

Use this Memory Block to assign functions to the Attendant Add-On Console keys.

Display

Data No.	DSS No. 1~4	Button No. 01~60	Setting Data	Page No.

```
0 5 : 1 / 0 1 = C O   0 1   | 2
        T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Vacant	TEL. No. 01~96	Internal Paging Zone A	Internal Paging Zone B
LK 5	LK 6	LK 7	LK 8
Internal Paging Zone C	All Internal Zone Paging	External Zone A	External Zone B

(Page 2)

LK 1	LK 2	LK 3	LK 4
External Zone C	All External Zone Paging	Message Waiting	Night Mode Change
LK 5	LK 6	LK 7	LK 8
Transfer	Attendant Station Outgoing Lockout	Call Arrival Key	Trunk (01~64)

There is no default setting.

(Page 3)

LK 1	LK 2	LK 3	LK 4
Live Recording Feature	Mail Box Number	Doorphone 1	Doorphone 2
LK 5	LK 6	LK 7	LK 8
GP Relay 0	GP Relay 1		

Programming Procedures

1	Go off-line.
2	Press LK1 + LK6. Use ✳ to move cursor to the second Data No. position and press ⑤ to access the Memory Block.

Programming Procedures

		Default Values

3	Press the corresponding CO/PBX line key and dial pad keys to change the data option:
	Functions can be assigned to keys 01~60 on Attendant Add-On Consoles 1~4.
	Functions to be programmed:

- ✆ Station No. 01~96
- ✆ Internal Paging Zone A
- ✆ Internal Paging Zone B
- ✆ Internal Paging Zone C
- ✆ Internal Paging Zone ALL
- ✆ External Paging Zone A
- ✆ External Paging Zone B
- ✆ External Paging Zone C
- ✆ External Zone Paging ALL
- ✆ Message Waiting
- ✆ Night Mode Switching
- ✆ Trunk (01~64)
- ✆ Transfer
- ✆ Attendant Station Outgoing Lockout
- ✆ Call Arrival Key (01~88)
- ✆ Feature Access Key with Live Recording
- ✆ Digital Voice Mail Mailbox Number
- ✆ DPH 1 & 2
- ✆ General Purpose Relay 04

Default Values

DSS No.	Key No.	Data Setting
1~4	01	TEL No. 01
	02	TEL No. 02
	ⸯ	ⸯ
	48	TEL. No. 48
	49	Night Mode Switching
	50	Internal Paging Zone A (INT A)
	51	Internal Paging Zone B (INT B)
	52	Internal Paging Zone C (INT C)
	53	All Internal Paging Zone (INT ALL)
	54	Vacant
	55	Message Waiting (MSG)
	56	External Paging Zone A (EXT A)
	57	External Paging Zone B (EXT B)
	58	External Paging Zone C (EXT C)
	59	External Paging Zone All (EXT ALL)
	60	Transfer (TRF)

DSS Key Number

	1	2	3	4	5	6	
	☐	☐	☐	☐	☐	☐	01~06
	☐	☐	☐	☐	☐	☐	07~12
	☐	☐	☐	☐	☐	☐	13~18
	☐	☐	☐	☐	☐	☐	19~24
	☐	☐	☐	☐	☐	☐	25~30
	☐	☐	☐	☐	☐	☐	31~36
	☐	☐	☐	☐	☐	☐	37~42
	☐	☐	☐	☐	☐	☐	43~48
	☐	☐	☐	☐	☐	☐	49~54
	☐	☐	☐	☐	☐	☐	55~60

Note: Use the following to enter data:

- ✱ to move the cursor left
- # to move the cursor right
- ⓪ ~ ⑨ to enter numeric data
- [Hold] to set data when assigning Tel No. 01~96
- [Recall] to go to the next page
- [Feature] to go to the previous page

4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-6-01	Attendant Add-On Console to Telephone Port Assignment
7-2	Telephone Type Assignment

Attendant Transfer Selection During Live Record

<table>
<tr><td>System Mode</td></tr>
<tr><td>1</td></tr>
<tr><td>Submode</td></tr>
<tr><td>6</td></tr>
<tr><td>Data No.</td></tr>
<tr><td>08</td></tr>
<tr><td>PC Programming</td></tr>
<tr><td>[Alt]+BTD</td></tr>
</table>

General Description

This Memory Block controls the behavior of the Attendant DSS/BLF transfer while the Attendant is engaged in a live recording operation. The call is either transferred to the DSS/BLF extension or the voice mail box of the DSS/BLF extension. If Yes is selected, the call is transferred to the DSS/BLF extension. If No is selected, the live record session is addressed to that DSS/BLF extension (no transfer).

Display

Data No.	Title	Setting Data

```
0 8 :    D S S    S E L          Y S

        T I M E    D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK6. Use ✱ to move cursor to the second Data No. position and press ⑧ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Doorphone Assignment

General Description

Use this Memory Block to enable the doorphones in System Programming.

Display

Data
No.   Title

0 0 :	D P H	A S S I G N
	T I M E	D I S P L A Y

Settings

LK 1	LK 2	LK 3	LK 4
DP1	DP2	DP3	DP4
LK 5	LK 6	LK 7	LK 8

There is no default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK7 + (0 OPER) (0 OPER) to access the Memory Block.
3	Press the CO/PBX line key corresponding to each doorphone. The LED changes to indicate the data each time the CO/PBX line key is pressed.

CO/PBX Line LED	Off	On
Data	No	Yes

There is no default setting.

4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-7-01	Doorphone Display Time Selection

Doorphone Display Time Selection

General Description

Use this Memory Block to define how long a doorphone call signals a station before it times out.

Display

Data No.	Title	Setting Data

```
0 1 :    D P H    T I M E R       1 0 s
         T I M E    D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
10 sec.	30 sec.	60 sec.	90 sec.
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK7 + (0 OPER) (1) to access the Memory Block.
3	Press the CO/PBX line key corresponding to each time assignment. The LED changes to indicate the data each time the CO/PBX line key is pressed.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-7-00	Doorphone Assignment

External Speaker Connection Selection

General Description

Use this Memory Block to specify whether or not external speakers are connected to the system.

Display

Data No.	Title

```
0 2 : E S P   C O N N
```
```
T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
ESP A	ESP B	ESP C	
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK7 + ⓪ ② to access the Memory Block.
3	Press the CO/PBX line key corresponding to each ESP Zone. The LED changes to indicate the data each time the CPO/PBX line key is pressed.

CO/PBX Line LED	Off	On
Data	**No**	**Yes**

There is no default setting.

4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-7-03	External Paging Alert Zone Selection

Only three external speaker zones can be connected to the system.

External Paging Alert Zone Selection

General Description

Use this Memory Block to specify whether or not a paging alert tone is sent on External Zone Paging (all speakers/individual speaker).

Display

Data No.	Title	Setting Data

```
0 3 : E S P     T O N E         Y S

          T I M E    D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Yes	No		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK7 + ⓪ ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-7-02	External Speaker Connection Selection
1-7-08	External Speaker Chime Selection

Doorphone Ringing Pattern Selection

General Description

Use this Memory Block to define the doorphone ringing cycle. Each doorphone can be individually assigned.

Display

Data No.	Title	Setting Data

```
0 4 :   D P H   C Y C L       O N | 1

        T I M E   D I S P L A Y
```
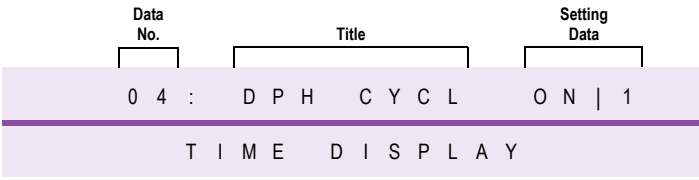
Settings

LK 1	LK 2	LK 3	LK 4
Off	On	Cycle A	Cycle B
LK 5	LK 6	LK 7	LK 8
Cycle C	Cycle D	Cycle E	Cycle F

The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
Cycle G	Cycle H		
LK 5	LK 6	LK 7	LK 8

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK7 + (0 OPER) (4 GHI) to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	**Default Values** All doorphones are LK2
4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-7-00	Doorphone Assignment
1-7-05	Doorphone Ringing Frequency Selection

Doorphone Ringing Frequency Selection

General Description

Use this Memory Block to define the doorphone ringing frequency. Each doorphone can be individually assigned.

Display

Data No.	Title	Setting Data
0 5 :	D P H F R E Q	C
	T I M E D I S P L A Y	
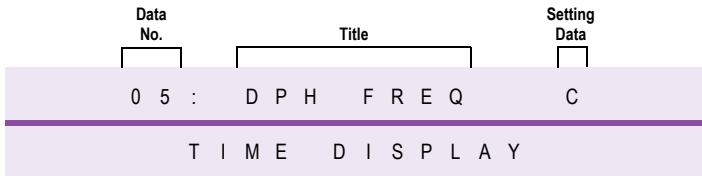
Settings

LK 1	LK 2	LK 3	LK 4
Freq A	Freq B	Freq C	Freq D
LK 5	LK 6	LK 7	LK 8
Freq E	Freq F	Freq G	Freq H

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK7 + ⓪ ⑤ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-7-00	Doorphone Assignment
1-7-04	Doorphone Ringing Pattern Selection

External Paging Timeout Selection

General Description

Use this Memory Block to specify the time allowed for External Paging before timeout and release of the paging circuit.

Display

```
Data
No.              Title                    Setting
                                          Data

0 6 : E S P   T I M E R   5 . 0

          T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
0.5 min.	1.0 min.	1.5 min.	2.0 min.
LK 5	LK 6	LK 7	LK 8
3.0 min.	5.0 min.	8.0 min.	No Limit

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK7 + ⓪ ⑥ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-2-00	Internal Paging Timeout Selection
1-7-02	External Speaker Chime Selection

External Ring Relay Cycle Selection

General Description

Use this Memory Block to assign one of six distinctive ringing controls/intervals to relay circuits.

Display

```
Data                                Ext Ring
No.              Title              Relay        Setting
                                    (1~4)         Data

0 7 : E X T   R I N G 1 = C Y 3

      T I M E   D I S P L A Y
```
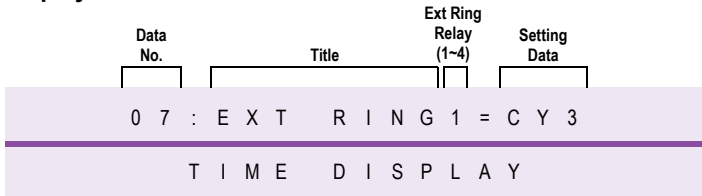
Settings

LK 1	LK 2	LK 3	LK 4
Cycle 1	Cycle 2	Cycle 3	Cycle 4
LK 5	LK 6	LK 7	LK 8
Cycle 5	Cycle 6	Continuous	

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press L1 + LK7 + ⓪ ⑦ to access the Memory Block.
3	Press corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-2-00	Internal Paging Timeout Selection
1-7-02	External Speaker Connection Selection
2-08	ECR Relay to Tenant Assignment

An External Tone relay or the Night Chime relay must be assigned in Memory Block 2-08 ECR Relay to Tenant Assignment before the tone is generated from JK1.

s= seconds
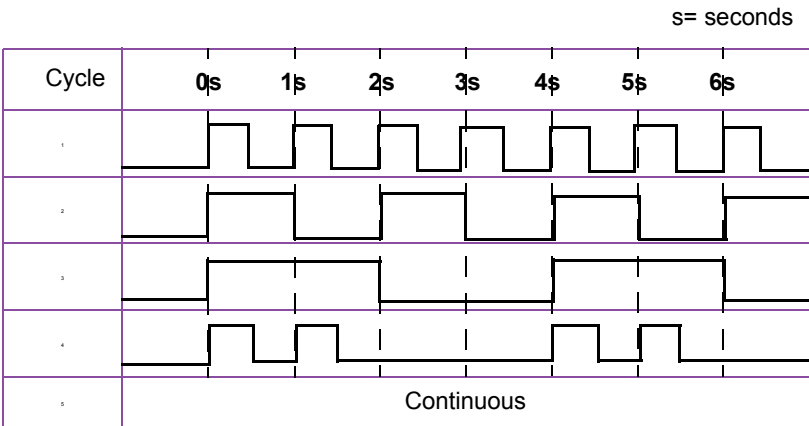
External Speaker Chime Selection

General Description

Use this Memory Block to determine whether paging alert tone (4 tones) or alert chime sounds before the speech path is established, or after, or before and after.

Display

Data No.	Title	Setting Data

```
0 8 : S P K   O N          P R T
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
PRT	C-S	C-B	
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

PRT = Normal Paging Tone Before the Page
C-S = Chime - Start Only (4 Tone Chime)
C-B = Chime - Both Start and End (4 Tone Chime)

Programming Procedures

1	Go off-line.
2	Press LK1 + LK7 + ⓪ ⑧ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. LK - On = Enabled LK - Off = Disabled
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-7-03	External Paging Alert Zone Selection
1-7-09	External Speaker Chime Start Time Selection

Memory Block 1-7-03 External Paging Alert Zone Selection must be enabled before this Memory Block has any affect.

External Speaker Chime Start Time Selection

General Description

This Memory Block is used only when paging alert tone (4-tones) is assigned in Memory Block 1-7-08 (External Speaker Chime Selection). This Memory Block assigns the delay after an external paging code is dialled and before the paging alert tone is provided.

Display

Data No.	Title	Setting Data

```
0 9 : S T A R T = 7 0 0 m s

    T I M E   D I S P L A Y
```

(Page 1)

LK 1	LK 2	LK 3	LK 4
0 ms.	100 ms.	200 ms.	300 ms.
LK 5	LK 6	LK 7	LK 8
400 ms.	500 ms.	600 ms.	700 ms.

(Page 2)   The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
800 ms.	900 ms.	1000 ms.	1100 ms.
LK 5	LK 6	LK 7	LK 8
1200 ms.	1300 ms.	1400 ms.	1500 ms.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK7 + ⓪(OPER) ⑨(WXYZ) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. **Note:** Use the following when entering data: Recall to go to the next page Feature to go to the previous page
4	Press Transfer to write the data and advance to Memory Block 1-8-01 SLT or Automated Attendant/DISA to PBR Selection.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-7-08	External Speaker Chime Selection

SLT or Automated Attendant/DISA to PBR Selection

System Mode
1
Submode
8
Data No.
01
PC Programming
Alt +BTI

General Description

Use this Memory Block to specify whether the four Push Button Receiver (PBR) circuits in the CPUB( )-U13 ETU/MBD-U13 Unit are used for Single Line Telephones or the Automated Attendant/Direct Inward System Access (DISA).

Display

Data No.	Title
0 1 :	P B R (S L T / A A)
	T I M E D I S P L A Y

Settings

LK 1	LK 2	LK 3	LK 4
PBR 1 and 2	PBR 3 and 4		
LK 5	LK 6	LK 7	LK 8

There is no default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + (OPER) (1) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. The LED indication changes to indicate the data each time the CO/PBX line key is pressed.

CO/PBX Line LED	Off	On	
Data	Single Line Telephone	A.A./DISA	The shaded area indicates the default setting.

4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. If LK1 and LK2 are assigned to Automated Attendant/DISA, the PBR( )--13 ETU must be installed in the system if Single Line Telephones are used.
2. For Automated Attendant to function at least one PBR must be set.

PBR Receive Level Assignment for Automated Attendant/DISA

General Description

Use this Memory Block to specify the receiving level of the Push Button Receiver (PBR) at the Automated Attendant/Direct Inward System Access (DISA).

Display

```
   Data                         PBR
   No.          Title           No.              Setting
                                1/2              Data

   0 2 :  P B R     1                  =  1  3

            T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ⓪ ② to access the Memory Block.
3	Use the dial pad to change the data option. The information that can be entered includes:

3 (continued)

Setting Data	Receiving Level
00	-33.0 dBm
01	-34.0 dBm
02	-35.0 dBm
03	-36.0 dBm
04	-37.0 dBm
05	-38.0 dBm
06	-39.0 dBm
07	-40.0 dBm
08	-41.0 dBm
09	-42.0 dBm
10	-43.0 dBm
11	-44.0 dBm
12	-45.0 dBm
13	-46.0 dBm
14	-47.0 dBm
15	-48.0 dBm

Default Values (PBR 1 and 2)

Setting Data	Receiving Level
05	-46 dBm

4	Press [Transfer] to write the data and advance to the next PBR.
5	Enter next PBR, and press [Transfer] to write data.
6	Press [Speaker] to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. When the Automated Attendant answers, the DTMF signal level from the calling party is reduced from the Public Switching Telephone Network (PSTN). This Memory Block specifies the minimum detectable receiving level. Setting Data 15 is the most sensitive.
2. PBR 1 data is for Channels 1 and 2 and PBR 2 is for Channels 3 and 4 in the CPUB( )-U13 ETU/MBD-U13 Unit.

Time Display (12h/24h) Selection

General Description

Use this Memory Block to specify either a 12-hour (12:00 a.m. to 11:59 p.m.) or 24-hour (00:00 to 23:59) time display.

Display

Data No.	Setting Data	Title

0 4 : 1 2   H O U R   D I S P
T I M E   D I S P L A Y

Settings

LK 1	LK 2	LK 3	LK 4
12 Hr	24 Hr		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ⓪ ④ to access the Memory Block.
3	Press corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Class of Service (Attendant) Feature Selection 1

General Description

Use this Memory Block to allow or deny specific attendant features for each Class Of Service. When individual stations are assigned, the station user can access only the features designated allow.

Display

Data No.	Title	Class No. (00~15)	Page No. (01~03)
0 7 :	C L S 1	(0 0)	0 1

T I M E   D I S P L A Y

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Night Mode Switching	Night Mode Switching Per Tenant	System Speed Dial Program-ming	Not Used

LK 5	LK 6	LK 7	LK 8
Not Used	Not Used	Automatic Trunk-to-Trunk Transfer Set/ Reset	Automated Attendant/DISA Set/Reset Mode

(Page 2)

LK 1	LK 2	LK 3	LK 4
Timed Alarm for Single Line Tele-phone Set/Reset	Call Forward Set/Cancel from Destination Sta-tion	System-Wide Reset Refer to Note 1	Password (Out-going Restric-tion) Refer to Note 2

There is no default setting.

LK 5	LK 6	LK 7	LK 8
DISA Password Cancel	DISA Password Confirmation	Weekend Mode Per Tenant	Forced Account Code

(Page 3)

LK 1	LK 2	LK 3	LK 4
Terminal Exchange Mode Set	Not Used	Not Used	Not Used

LK 5	LK 6	LK 7	LK 8
Not Used5	Not Used	Not Used	Not Used

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + (0 OPER) (7 PQRS) to access the Memory Block.

Programming Procedures

3	Press the corresponding CO/PBX line key to enter data.

The LED indication changes to indicate the data each time a CO/PBX line key is pressed.

CO/PBX Line Key LED	Off	On
Data	Deny	Allow

Refer to Table on following page for default settings.

Note: Use the following when entering data:

Press (Recall) to go to the next page

Press (Feature) to go to the previous page

4	Press (Transfer) key. Data for Class 01 ~ 15 is displayed successively.
5	Press (Transfer) to write the data for Class 15.
6	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-17	Station to Class of Service Feature Assignment

1. System-Wide Reset selection resets the following: Timed Alarm, Call Forward-All Call, Do Not Disturb, Customized Message, and Callback Request.
2. Password (Outgoing Restriction) selection cancels Station Lockout and default password for another station.
3. Sixteen Classes (00 ~ 15) of feature restriction patterns allow a station user to activate particular features while restricting others.
4. At default, stations 100 and 101 are in class 00. All other stations are in class 15.
5. Stations are assigned to a Class of Service in Memory Block 4-17 Station to Class of Service Feature Assignment.
6. If Terminal Exchange Mode is enabled by user on Attendant Station the PC Programming is unavailable.
7. Terminal Exchange Mode must be set to OFF on the extension to enable PC connection to function.

Classes 00 ~ 15 are programmed in this Memory Block as feature restriction classes. In Memory Block 4-17 Station to Class of Service Feature Assignment specify any class of service for each telephone to assign the features the user can/cannot activate.

Corresponding CO/PBX Line Key	Function Name	Default Class 00	Default Class 01 ~ 15
Page 01			
LK1	Night Mode Switching (System-Wide))	Allow	Deny
LK2	Night Mode Switching (Tenant)	Allow	Deny
LK3	System Speed Dial Programming	Allow	Deny
LK4	Not Used	N/A	N/A
LK5	Not Used	N/A	N/A
LK6	Not Used	N/A	N/A
LK7	Automatic Trunk-to-Trunk Transfer (Set/Reset) and programming of Outgoing Numbers	Allow	Deny
LK8	Automated Attendant/DISA Mode (Set/Reset)	Allow	Deny
Page 02			
LK1	Timed Alarm (Set/Reset) for Single Line Telephones	Allow	Deny
LK2	– Call Forward-All Call (Set/Reset) from Destination Station – Call Forward CAR Keys – Call Forward All Call Set – Call Forward Busy/No Answer set	Allow	Deny
LK3	System-Wide Reset of Timed Alarm, Call Forward-All Calls, Do Not Disturb, Customized Message, and Callback Request	Deny	Deny
LK4	Cancel Station Lockout and Default Password for another Station	Allow	Deny
LK5	DISA Password Cancel	Allow	Deny
LK6	DISA Password Confirmation	Allow	Deny
LK7	Automated Attendant Weekend Mode (Set/Reset) Tenant	Allow	Deny
LK8	Forced Account Code Programming	Allow	Deny
Page 03			
LK1	Terminal Exchange Mode Set	Allow	Deny
LK2~LK8	Not Used	N/A	N/A

Class of Service (Station) Feature Selection 2

System Mode
1
Submode
8
Data No.
08
PC Programming
[Alt] **+BTS**

General Description

Use this Memory Block to allow or deny specific station features for each Class of Service. When individual stations are assigned, the station user can access only the features designated allow.

Display

Data No.	Title	Class No. (00~15)	Page No. (01~03)

0 8 : C L S 2	(0 0)	0 1
T I M E D I S P L A Y	

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Call Forward- All Calls, DND, Break Mode	Trunk Queuing	Automatic Callback	Barge-In (Calling Party)
LK 5	**LK 6**	**LK 7**	**LK 8**
Rejection of Barge-In (Called Party)	Timed Alarm for SLT	General Purpose Relay	Voice / Tone Override

(Page 2)

LK 1	LK 2	LK 3	LK 4
Absence Message	Callback Message	Station Outgoing Lockout Set	Not Used
LK 5	**LK 6**	**LK 7**	**LK 8**
Call Forward Busy/No Answer Set	VRS Voice Message	Disable 10 sec. Code Restriction Timer	DISA Password Code Restriction Password Override

(Page 3)

LK 1	LK 2	LK 3	LK 4
Not Used	User Ringing Line Preference Set/Reset	Voice/Tone Override (Receive)	LCR/ACR Bypass (ACR v3.xx or higher)
LK 5	**LK 6**	**LK 7**	**LK 8**
Station Trunk-to-Trunk Transfer	Account Code Entry	Digit Restriction Timer Selection	Call Alert Notification

(Page 4)

LK 1	LK 2	LK 3	LK 4
LCR/ACR Recall (ACR v3.xx or higher)	DSS Key Transfer Operation	Caller ID	Caller ID Number Selection
LK 5	**LK 6**	**LK 7**	**LK 8**
Manual Live Record Activate	Auto Live Record Activate	BGM	Unsupervised Conference

Settings

(Page 5)

LK 1	LK 2	LK 3	LK 4
Forced Account Code	Group Listening Selection	Station Relocation	Set Call Forward-Off Premise
LK 5	**LK 6**	**LK 7**	**LK 8**
Pre-Set Dialling	Live Monitoring (v2.xx or higher)	2 Row Caller ID Display (v2.xx or higher)	Malicious Call Trace (v2.xx or higher)

(Page 6)

LK 1	LK 2	LK 3	LK 4
ACR Normal Originate (v3.xx or higher)	VM MSG LED (v4.xx or higher)	Forced Account Code VERIFY/ UNVERIFY (v4.xx or higher)	ISDN Supplementary Services (V5.xx or higher)
LK 5	**LK 6**	**LK 7**	**LK 8**
Not Used	Not Used	Not Used	Not Used

Programming Procedures

1	Go off-line.9
2	Press LK1 + LK8 + ⓪(OPER) ⑧(TUV) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. The LED indication changes to indicate data each time CO/PBX line key is pressed. **Note:** Press (Recall) to go to the next page. Press (Feature) to go back to the previous page.
4	Press (Transfer) key. Data for Class 01 ~ 15 is displayed successively
5	Press (Transfer) to write the data for class 15.
6	Press (Speaker) to go back on-line.

CO/PBX Line Key LED	Off	On	
Data	Deny	Allow	Refer to Table on following page for default settings.

Related Programming

M.B. Number	Memory Block Name
4-17	Station to Class of Service Feature Assignment

1. Sixteen Classes (00~15) of feature restriction patterns allow a station user to activate particular features while restricting others.
2. At default, all stations are in Class 00.
3. Stations are assigned to a Class of Service in Memory Block 4-17 Station to Class of Service Feature Assignment.

Corresponding CO/PBX Line Key	Function Name	Default Class 00	Default Class 01 ~ 15
Page 01			
LK1	Set Call Forward - All Call, Do Not Disturb (DND), Break Mode	Allow	Deny
LK2	Trunk Queuing	Allow	Deny
LK3	Automatic Callback	Allow	Deny
LK4	Barge-In Originate on a CO/PBX Line	Deny	Deny
LK5	Barge-In Receive	Allow	Deny
LK6	Timed Alarm (Set/Cancel)	Allow	Deny
LK7	General Purpose Relay	Allow	Deny
LK8	Voice Override/Tone Override Originate	Allow	Deny
Page 02			
LK1	Absence Message	Allow	Deny
LK2	Callback Request Originate	Allow	Deny
LK3	Station Outgoing Lockout (Set/Cancel)	Allow	Deny
LK4	Not Used	N/A	N/A
LK5	Call Forward Busy, No Answer, Busy/No Answer Set	Allow	Deny
LK6	VRS Voice Message Record/Verify/Erase	Allow	Deny
LK7	Not Used	N/A	N/A
LK8	DISA PAssword Set/Code Restriction Password Override	Allow	Deny
Page 03			
LK1	Not Used	N/A	N/A
LK2	User Ringing Line Preference Set/Reset	Allow	Deny
LK3	Voice Override/Tone Override/Camp-On Receive	Allow	Deny
LK4	LCR Bypass (Trunk Groups 02 ~ 32)	Deny	Deny
LK5	Station Trunk-to-Trunk Transfer	Deny	Deny
LK6	Account Code Entry	Deny	Deny
LK7	Digit Restriction Timer Selection	Allow	Allow
LK8	Call Alert Notification for DIT, DID, and A.P.	Allow	Deny

Corresponding CO/PBX Line Key	Function Name	Default Class 00	Default Class 01 ~ 15
Page 04			
LK1	LCR Recall	Allow	Deny
LK2	DSS Key Transfer Operation Operation applies to Feature Access/One-Touch keys and Attendant Add-On console keys programmed for DSS. After you press a DSS key and go on-hook, only an Allow Call is transferred.	Deny	Deny
LK3	Caller ID	Deny	Deny
LK4 (Future Network Release is dependant on Carrier Network)	Caller ID Number Selection If set for deny, Name is displayed if both name and number are received. If set for allow, Number is displayed if both name and number are received.	Deny	Deny
LK5	Manual Live Record Activate	Deny	Deny
LK6	Auto Live Record Activate. LK5 must be on also.	Deny	Deny
LK7	BGM Selection	Allow	Deny
LK8	Unsupervised Conference	Deny	Deny
Page 05			
LK1	Forced Account Code	Deny	Deny
LK2	Group Listening Selection	Deny	Deny
LK3	Station Relocation	Allow	Deny
LK4	Set Call Forward-Off Premise Related to Page 01(LK1) and Page 02 (LK5)	Deny	Deny
LK5	Pre-Set Dialling	Deny	Deny
LK6	Live Monitoring	Deny	Deny
LK7	2-Row Caller ID Display	Deny	Deny
LK8	Malicious Call Trace	Deny	Deny
Page 06			
LK1	ACR Normal Originate	Deny	Deny
LK2	VM MSG Key	Deny	Deny
LK3	Forced Account Code - VERIFY/UNVERIFY To turn on/off display of new message sent to a Voice Mail Box.	Deny	Deny
LK4	ISDN Supplementary Services	Deny	Deny
LK5	Not used		
LK6	Not used		
LK7	Not used		
LK8	Not used		

1. Setting Page 04 - LK4 to ON will affect the "Speed Dial" Name match feature, therefore this setting is required to be set to OFF at all times.
2. Page 06 is applicable to main software Release 4.0 and above.

Music on Hold Pattern Selection

General Description

Use this Memory Block to specify the Music on Hold pattern.

Display

	Data No.	Title		Setting Data

```
0 9 : M O H        = B

       T I M E    D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
A	B		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Medley A = American Folk Song Medley

Medley B = Christmas Song Medley

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ⓪ ⑨ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-8-31	Hold Tone Source Selection
1-8-32	Hold Internal Tone Volume Selection

1. Music on Hold can be provided to CO/PBX and intercom calls that are placed on hold.
2. One of two melodies can be selected:
   A = American Folk Song Medley
   B = Christmas Song Medley

PBR Interdigit Release Timer Selection

General Description

Use this Memory Block to specify the interdigit release time for the Push Button Receiver (PBR).

Display

Data No.	Title	Setting Data
1 0 :	P B R R E L E A S	7 s
	T I M E D I S P L A Y	

Settings

LK 1	LK 2	LK 3	LK 4
3 sec.	4 sec.	5 sec.	6 sec.
LK 5	LK 6	LK 7	LK 8
7 sec.	8 sec.	9 sec.	10 sec.

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ⑦ ⓪ₒₚₑᵣ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-3-03	First Digit PBR Release Timer Selection
1-8-01	SLT or Automated Attendant/DISA to PBR Selection

A DTMF Single Line Telephone connected to the Xen system must be supported by a PBR that receives DTMF signals.

Off-hook

Specified Time: 10 sec. Default   Dial Tone is sent (PBR connected)
Memory Block 1-3-03

9   Dial the first digit

Specified Time: 7 sec. Default
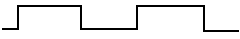Memory Block 1-8-10

7   The second digit

Specified Time: 7 sec. Default
Memory Block 1-8-10

5   The third digit

3   If the PBR is not detected in the specified time,
         PBR is released
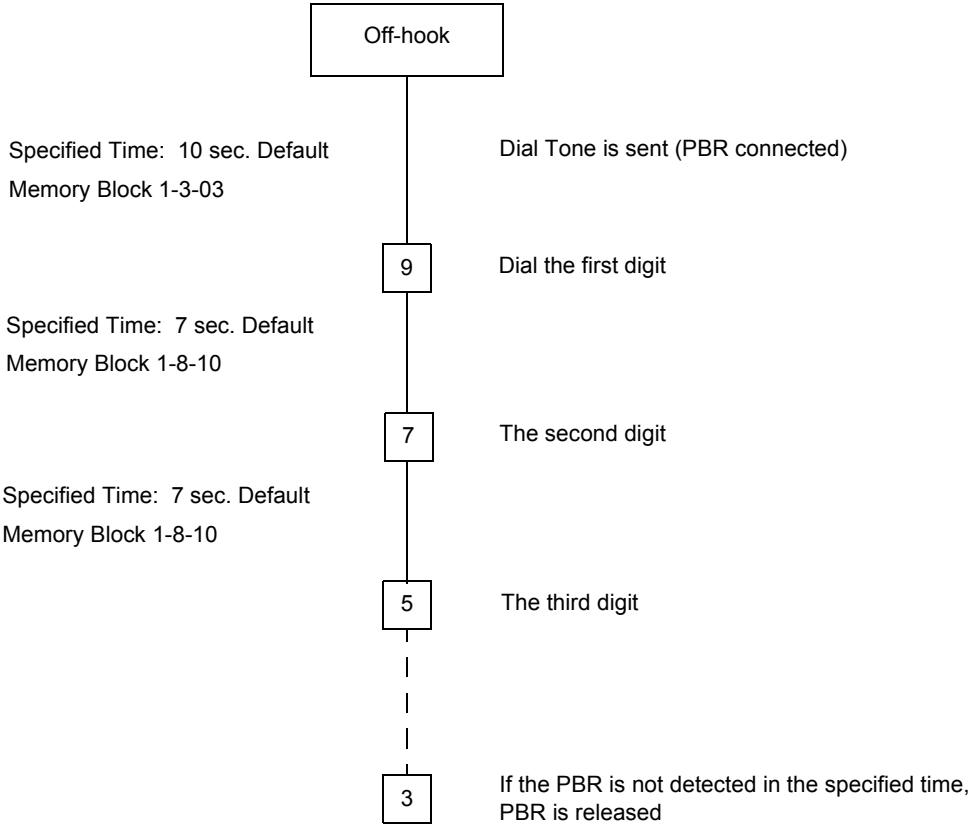
System Refresh Timer Assignment

General Description

Use this Memory Block to assign the System Refresh Time during idle periods/no change in state.

Display

Data No.	Title	Setting Data

```
1 1 : R E F R E S H        4 H
     T I M E   D I S P L A Y
```

<table>
<tr><td colspan="4" align="right">

System Mode
1
Submode
8
Data No.
11
PC Programming
Alt **+BM**

</td></tr>
</table>

Settings

LK 1	LK 2	LK 3	LK 4
No Refresh	4 hr.	8 hr.	12 hr.
LK 5	LK 6	LK 7	LK 8
24 hr.			

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ↑ ↑ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

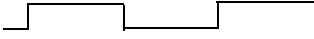## Related Programming

No related programming is necessary for this Memory Block.

1. The system automatically refreshes itself during idle periods based on the time specified in this Memory Block.
2. If there is a call in progress during Refresh Time activity and no other actions occurring in the system at that time, the system will refresh.

VRS Message Recording Time Selection

System Mode
1
Submode
8
Data No.
12
PC Programming
Alt +**AR**

General Description

Use this Memory Block to specify the length and number of messages for each of the eight Voice Recording Service (VRS) channels.

Display

Data No.	Title	VRS Chan.	Setting Data

```
1 2 : V R S 1      1 5 s    x 1 6
       T I M E   D I S P L A Y
```
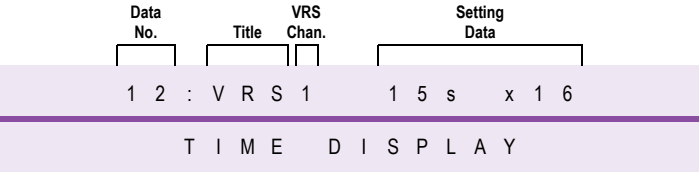
Settings

LK 1	LK 2	LK 3	LK 4	
Recording Time 15 sec. 16 messages	Recording Time 30 sec. 8 messages	Recording Time 60 sec. 4 messages	Recording Time 120 sec. 2 messages	The shaded area indicates the default setting.
LK 5	LK 6	LK 7	LK 8	

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + ① ② to access the Memory Block.	
3	Press corresponding CO/PBX line key to change data option. **Note:** Use the following to enter VRS Channel: ⓪ ~ ⑧ to enter numeric data	**Default Values** All VRS Channels Recording Time = 15 seconds, 16 messages
4	Press Transfer to write the data and advance to the next VRS Channel.	
5	After entering last data, press Transfer to write the data.	
6	Press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

Voice Recording Services Channel 1 has 240 seconds for message recording. The number of messages that can be recorded depends on message length. Divide 240 by the message length to obtain number.

VRS Message Function Assignment

General Description

Use this Memory Block to assign the recorded voice prompt Delay Announcement/ Automated Attendant Message type to the Voice Recording Service (VRS) Message number. Refer to Memory Block 1-8-12 VRS Message Recording Time Selection.

Display

Data No.	Title	VRS Channel No. (1~8)	Message No. (1~16)	Setting Data	Page No.

```
1 3 : V R S 1 / 0 1 = N O N | 1
        T I M E    D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
No Message	Voice Prompt 1	Voice Prompt 2	1st Delay Announcement

LK 5	LK 6	LK 7	LK 8
2nd Delay Announcement	Not Used	Not Used	Not Used

(Page 2)

LK 1	LK 2	LK 3	LK 4
Day Mode Auto Attendant 1	Day Mode Auto Attendant 2	Day Mode Auto Attendant 3	Day Mode Auto Attendant 4

LK 5	LK 6	LK 7	LK 8
Day Mode Auto Attendant 5	Day Mode Auto Attendant 6	Day Mode Auto Attendant 7	Day Mode Auto Attendant 8

(Page 3)

LK 1	LK 2	LK 3	LK 4
Night Mode Auto Attendant 1	Night Mode Auto Attendant 3	Night Mode Auto Attendant 3	Night Mode Auto Attendant 4

LK 5	LK 6	LK 7	LK 8
Night Mode Auto Attendant 5	Night Mode Auto Attendant 6	Night Mode Auto Attendant 7	Night Mode Auto Attendant 8

(Page 4)

LK 1	LK 2	LK 3	LK 4
Weekend Mode Auto Attendant 1	Weekend Mode Auto Attendant 2	Weekend Mode Auto Attendant 3	Weekend Mode Auto Attendant 4

LK 5	LK 6	LK 7	LK 8
Weekend Mode Auto Attendant 5	Weekend Mode Auto Attendant 6	Weekend Mode Auto Attendant 7	Weekend Mode Auto Attendant 8

There is no default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ⑦ ③ to access the Memory Block.
3	Press corresponding CO/PBX line key to change data option.
	Note: Use ⓪ ~ ⑨ to enter VRS Channel and message number.
4	Press ⟮Transfer⟯ to write the data and advance to the next VRS Channel or message number.
5	After entering last data, press ⟮Transfer⟯ to write the data.
6	Press ⟮Speaker⟯ to go back on-line.

Default Values

All Channels of Block: No Message

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming.

Tone Assignment

General Description
Use this Memory Block to assign each system tone to the flexible tables.

Display

Data No.	Item No. (00~12)	Tone		Setting Data	Page No.
1 5 :	(0 0)	D T	=	A	1

T I M E   D I S P L A Y

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Tone A	Tone B	Tone C	Tone D
LK 5	LK 6	LK 7	LK 8
Tone E	Tone F	Tone G	Tone H

(Page 2)

LK 1	LK 2	LK 3	LK 4
Tone I	Tone J	Tone K	Tone L
LK 5	LK 6	LK 7	LK 8
Tone M			

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ① ⑤ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the Setting Data option. Use ⓪ ~ ⑨ to enter Table No.
4	Press Transfer to write the data and advance to the next table.
5	After entering last data, press Transfer to write the data.
6	Press Speaker to go back on-line.
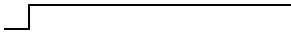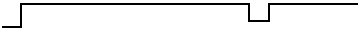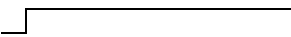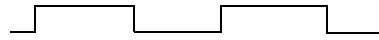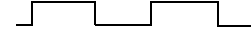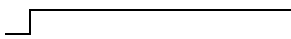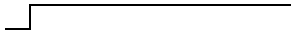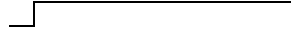
Related Programming

No related programming is necessary for this Memory Block.

Default Table

Table Number	Tone	LCD	Default
00	ICM Dial Tone	DT	A
01	Second Dial Tone	2DT	B
02	Special Dial Tone	SPDT	C
03	Busy Tone	BT	D
04	Reorder/Error Tone	ROT	E
05	Howler Tone	HWT	F
06	Service Set Tone	SST	G
07	ICM Ringback Tone	RBT1	I
08	Tie/DID Ringback Tone	RBT2	I
09	Call Waiting Tone	CWT	J
10	LCR Dial Tone	SDT	K
11	Tone Burst 1	TB1	G
12	Tone Burst 2	TB2	K

.

Tone Table

Tone	Frequency (Hz)	Intermittent	Cycle
A	350/440	Continuous	
B	440	120 IPM 0.25 On, 0.25 Off 0.25 On, 1.25 Off	
C	440	240 IPM 0.125 On, 0.125 Off	
D	425	80 IPM 0.375 On, 0.375 Off	
E	425	2.5 On, 0.5 Off	
F	2400 16 Hz Mod.	Continuous	
G	800	Continuous	
H	400	0.075 On, 0.1 Off 0.075 On, 0.1 Off 0.075 On, 0.1 Off 0.075 On, 04 Off	
I	425 25 Hz Mod.	0.4 On, 0.2 Off	
J	440 20 Hz Mod.	60 IPM 0.5 On, 0.5 Off	
K	400	Continuous	
L	400	60 IPM 0.5 On, 0.5O Off	
M	No Tone	Continuous	

Voice Prompt to Tone Assignment

General Description

Use this Memory Block to assign the voice prompt to each tone. Voice prompt is provided only during the Internal Dial tone or Call Waiting tone.

Display

	Data No.	Table No.	Tone Name	Setting Data

```
1 6 : 0 1 : D T          = P R 1

         T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Voice Prompt 1	Voice Prompt 2		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + ⑦ ⑥(MNO) to access the Memory Block.	
3	Press corresponding CO/PBX line key to change data option. **Note:** Table No. 1: Dial tone Table No. 2: Call Waiting tone	**Default Values** Dial Tone: Voice Prompt 1 Call Waiting Tone: Voice Prompt 2
4	Press (Transfer) to write the data and advance to Table 02.	
5	After entering last data, press (Transfer) to write the data.	
6	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming.

PC Programming Password Assignment

General Description

Use this Memory Block to set a system password that must be entered when using PC Programming.

Display

Data No.	Class No. 1	Setting Data

```
1 7 : ( 1 ) =
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ① ⑦(PQRS) to access the Memory Block.
3	Use the following to enter Class 1(Technician Mode) and password (8 digits max): **Default Values** Class 1 Blank **Note:** Use the following to enter data: ⓪(OPER) ~ ⑨(WXYZ) to enter numeric data Press Hold to clear data
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. Programming from a Multiline Terminal allows eight digits to be entered for each class.
2. PC Programming allows only five digits to be entered; if more are entered, a "Password No Good" error is provided when a login is attempted.

Site Name Assignment

General Description

Use this Memory Block to indicate a system name for PC Programming software to use to program the system.

Display

Data No.	Class No. 1, 2	Setting Data

```
1 8 : S I T E =

        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ⑦ ⑧(TUV) to access the Memory Block.
3	Use Character Code Table in Section 7, and enter up to eight characters for Setting Data. **Note:** Press (Hold) to clear data at cursor
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

When programmed, this assignment creates a directory in the PC after download is performed

ACD/UCD Group Agent Assignment

System Mode
1
Submode
8
Data No.
25
PC Programming
Alt + **AA**

General Description

Use this Memory Block to specify the Agent Extension Number and the Automatic Call Distribution/Uniform Call Distribution (ACD/UCD) Group Numbers where each agent is assigned.

Display

Data No.	Title	Agent No. (1~32)	Group No. (1~4)	Station No. 4 Digits

```
2 5 : A G 0 1 / G P I =

    T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ②₍ABC₎ ⑤₍JKL₎ to access the Memory Block.
3	Setting data includes Group no. (1 ~ 4) and Station No. (4 digits max.) Use dial pad to enter data. Agent station number is one of the following: • 2 digit (00 ~ 99) • 3 digit (000 ~ 999) • 4 digit (0000 ~ 9999)	**Default Values** Not Specified
4	Press ⟨Transfer⟩ to write Group and Station No. and advance to next Agent number (1 ~ 32).
5	After entering last data, press ⟨Transfer⟩ to write the data.
6	Press ⟨Speaker⟩ to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment
1-2-03	2-, 3-, or 4-Digit Station Number Selection

1. UCD and ACD cannot be installed in the same system.
2. ACD is **not** supported in the Xen/Axis system .

Voice Mail Quick Transfer Master Hunt Number

General Description

Use this Memory Block to specify a Voice Mail Master Hunt Number to operate Quick Transfer to Voice Mail. This Memory Block also enables the voice mail display in the LCD of a Multiline Terminal when a voice mail machine sets a message.

Display

Data No.	Title	Agent Station No.
2 6 : V M	M A S T E R	0 0 0
	T I M E D I S P L A Y	

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ② ⑥ to access the Memory Block.
3	Use dial pad to enter agent station No. **Note:** Use the following to enter data: ⓪ ~ ⑨ to enter numeric data ✳ to move cursor left # to move cursor right Agent station number is one of the following: • 2 digit (00 ~ 99) • 3 digit (000 ~ 999) • 4 digit (0000 ~ 9999)	**Default Values** Not Specified
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment
1-2-08	2-, 3-, or 4-Digit Station Number Selection
1-2-24	Intercom Feature Access Code Assignment
4-14	Intercom Master Hunt Number Selection
4-15	Intercom Master Hunt Number Forward Assignment
4-35	Voice Mail/SLT Selection

Forced Account Code Length Assignment

General Description

Use this Memory Block to assign the digit length of the Forced Account Codes.

Display

Data No.	Title	Setting Data

```
2 7 : F O R C E D        0 4 D G T
         T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ② ⑦ to access the Memory Block.
3	Use dial pad to enter number of digits. **Note:** Use the following to enter data: ⓪ ~ ⑨ to enter digits ✳ to move cursor left # to move cursor right Setting Data = 01 ~ 13 digits
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Default Values

4 Digits

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment
1-8-08	Class of Service (Station) Feature Selection 2

SCD (Simplified Call Distribution) Pilot Number Assignment

General Description

Use this Memory Block to define the SCD Pilot number for each of the four groups. It can be any valid unused station number.

Display

Data No.	Title	Setting Data

```
2 9 : P I L O T   1

        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + ②ABC ⑨WXYZ to access the Memory Block.	
3	Use dial pad to enter an extension number. **Note:** Use the following to enter data: 　⓪OPER ~ ⑨WXYZ to enter digits 　✻ to move cursor left 　＃ to move cursor right	**Default Values** Not Assigned **Setting Data Extension No.** 00 ~ 99 000 ~ 999 0000 ~ 9999
4	Press [Transfer] to write the data.	
5	Press [Speaker] to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-8-30	SCD Group Agent Assignment

SCD Group Agent Assignment

General Description

Use this Memory Block to assign stations to one of four simplified call distribution groups. A total of 32 stations can be assigned.

Display

Data No.	Title	Table No.	SCD Group No.	Setting Data

```
3 0 : S G   0 1   2 =
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + ③ ⓪ to access the Memory Block.	
3	Use dial pad to enter the station numbers. **Note:** Use the following to enter data: ⓪ ~ ⑨ to enter digits ✳ to move cursor left # to move cursor right	**Default Values** Not Assigned Setting Data SCD Group No. 1 ~ 4 Table No. 1 ~ 32 Extension No. 00 ~ 99 000 ~ 999 0000 ~ 9999
4	Press [Transfer] to write the data.	
5	Press [Speaker] to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-8-29	SCD (Simplified Call Distribution) Pilot Number Assignment

Hold Tone Source Selection

General Description

Use this Memory Block to assign an internal or external Music on Hold source.

Display

Data No.	Title	Setting Data

```
2 7 : H L D T   S R C     I N T

        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Int	Ext		

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ③ ① to access the Memory Block.
3	Use the Line keys to select the Music On Hold source.　　　　　**Default Values**　　INT
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-8-09	Music on Hold Pattern Selection
1-8-32	Hold Internal Tone Volume Selection

Hold Internal Tone Volume Selection

General Description

When the internal Music On Hold source is used, this Memory Block is used to pad the music by -6 dB.

Display

Data No. | Title | Setting Data

3 2 : H L D T   V O L   0 d B

T I M E   D I S P L A Y

Settings

LK 1	LK 2		
0 dB	-6 dB		

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ③ ② to access the Memory Block.
3	Use Line keys to select the dB setting. **Default Values** 0 dB
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-8-31	Hold Tone Source Selection

Master Clock Selection

General Description

When either a PRT(1)-U13 or BRT(4)-U13 ETU is installed, clocking must be synchronized. This Memory Block assigns the source to be synchronized with. Enter the cabinet/slot number of the PRT or BRT ETU to be used for synchronization of the CLKG-U13. This synchronised clock signal is then fed to each of the remaining BRT and PRT ETUs.

Note: If the master clock selection is changed, all PRT traffic is dropped immediately as the resynchronisation occurs.

Display

```
  Data                                    Cabinet
  No.              Title                   0~3
                                          Slot 1~8

   3 3 : M S T T C L C K       0 :

         T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + ③ ③ to access the Memory Block.	
3	Use dial pad to enter number of digits.	**Default Values**
	Note: Use the following to enter data:	Cabinet 0 (Not Assigned)
	⓪ ~ ⑨ to enter digits	**Setting Data**
	✳ to move cursor left	Cabinet 0 ~ 3
	# to move cursor right	Slot 1 ~ 8
4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
7-1	Card Interface Slot Assignment

1. The PRT and BRT ETUs must only be installed in the first or second cabinet.
2. When a PRT or BRT ETU is installed, a CLSG-U13 Unit must be fitted to the CPUB( )-U13 ETU/MBD-U13 KSU.
3. Ensure this Memory Block is set correctly when a BRI or PRI card is installed.
4. If Clock is not set, data services via ISDN may be affected.

COM Port Baud Rate Setting Assignment

System Mode
1
Submode
8
Data No.
35
PC Programming
[Alt] **+CSS**

General Description

Use this Memory Block to define the baud rates for all three COM ports individually.

Display

Data No.	Title	Setting Data

```
3 5 : B D R T  1  =  3 8 . 4
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
4.8	9.6	19.2	38.4

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ③ ⑤ to access the Memory Block.
3	Use the Line keys to select the baud rate for each COM port. **Default Values** COM 1 = 38.4 / COM 2 = 4.8 / COM 3 = 4.8 (Not Used) / COM 4 = 9.6
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-5-13	Printer Connected Selection

COM 1 = PC Programming/LCR
COM 2 = Station Message Detail Recording (SMDR)
COM 3 = Not Used
COM 4 = Automatic Call Distribution (Not used by Xen Axis system)

COM Port Parity/Stop Bit Setting Assignment

General Description

Use this Memory Block to define the Parity and Stop bit for the individual COM ports.

Display

Data No.	Title	Setting Data

```
3 6 : P / S  1  =  N O N / 1
     T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Non/1	Non/2	Even/1	Odd/1
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ③ ⑥ to access the Memory Block.
3	Use the Line keys to select the parity and stop bit setting. **Default Values** COM 1 = Non/1, COM 2 = Non/1, COM 3 = Non/1 (Not Used), COM 4 = Non/1
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-5-13	Printer Connected Selection

COM 1 = PC Programming/LCR
COM 2 = Station Message Detail Recording (SMDR)
COM 3 = Not Used
COM 4 = Automatic Call Distribution (Not used by Xen Axis system)

General Purpose Relay Assignment

General Description

Use this Memory Block to specify whether or not the General Purpose Relays on the ECR-U13 ETU are used.

Display

Data No.	Title	Setting Data

```
3 7 : R E L A Y    ( 0 , 1 )      N O
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK8 + ③ ⑦ to access the Memory Block.
3	Use the Line Keys to select the appropriate settings. **Default Values** No
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-6-05	Attendant Add-On Console Key Selection

These General Purpose Relays are normally open relays.

Modem Port for Remote Programming Assignment

System Mode
1
Submode
8
Data No.
38
PC Programming
Alt +CSS

General Description

A socket modem can be installed on the MIFM-U13 ETU when the MIFM-U13 ETU is installed in S1 or S2 of the B64-U13 KSU or S2 of the B48-U13 KSU. Use this Memory Block to assign the extension number for the socket modem.

Display

Data No.	Title	Setting Data

```
3 8 : M O D E M      =

         T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + ③ ⑧ to access the Memory Block.	
3	Use dial pad to enter number of digits. **Note:** Use the following to enter data: ⓪ ~ ⑨ to enter digits ✱ to move cursor left # to move cursor right	**Default Values** Not assigned **Setting Data Extension No.** 00 ~ 99 000 ~ 999 0000 ~ 9999
4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
7-1	Card Interface Slot Assignment

ACD Hunt Timer

General Description

Use this Memory Block to assign the time value for hunting among the Automatic Call Distribution/Uniform Call Distribution (ACD/UCD) agents that do not answer an ACD/UCD call.

Display

```
Data
No.                  Title                Setting
                                          Data

4 0 : A C D   T I M E R   1 0 s

        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
10 sec.	20 sec.	30 sec.	60 sec.
LK 5	LK 6	LK 7	LK 8
120 sec.	240 sec.	No Limit	

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + ④ ⓪ to access the Memory Block.	
3	Use the Line keys to assign the new value.	**Default Values** 10 seconds
4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-12-00	ACD/UCD Group Pilot Number Assignment
1-12-01	ACD/UCD Group Overflow Destination Assignment
1-12-02	ACD/UCD Overflow Timer Selection

ACD is **not** supported in the Xen Axis system.

CAR for Voice Mail Message Notice Assignment

General Description

Use this Memory Block to specify a CAR to indicate Voice Mail Message 9LED) set/cancel on a remote Voice Mail system.

Display

Data No.	Title	Setting Data

```
4 7 : V M M S G   C A R

    T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK8 + ④ ⑦ to access the Memory Block.	
3	Use the dial pad to enter data. **Note:** Use the following to enter data: ① ~ ⑧ to enter Automated Attendant message number ⑧ to move the cursor LEFT ⑧ to move the cursor RIGHT ⓪ ~ ⑨ to enter numeric data Press 〔Hold〕 to clear data at cursor. ⓪ ⓪ ~ ⑨ ⑨ , ⓪ ⓪ ⓪ ~ ⑨ ⑨ ⑨ , ⓪ ⓪ ⓪ ⓪ ~ ⑨ ⑨ ⑨ ⑨ **Note:** (Depends what length the extension number has been assigned in HB1-2-03.)	**Default Values** Not assigned.
4	Press 〔Transfer〕 to write the data.	
5	Press 〔Speaker〕 to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

1. This memory block is applicable to main software Release 4.0 and above.

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DISA/ID Code Assignment

General Description

This Memory Block specifies the Direct Inward System Access (DISA) ID Code numbers.

Display

ID Buffer No. (01~C0)	Data No.	Title	Setting Data

```
0 1 / 0 0 : C O D E    = 1 0 0
        T I M E   D I S P L A Y
```

System Mode
1
Submode
9
Data No.
00
PC Programming
[Alt]**+BD**

Programming Procedures

1	Go off-line.
2	Press LK1 + LK9 + ⓪ ⓪ to access the Memory Block.

3 | Use the dial pad to enter the data.

Setting Data:
    2-digit DISA ID Code: 00~99 (00 no data)
    3-digit DISA ID Code: 000~999 (000 no data)
    4-digit DISA ID Code: 0000~9999 (0000 no data)

Note: Use the following to enter data:
    ✱ to move the cursor left
    # to move the cursor right
    ⓪ ~ ⑨ to enter numeric data
    Conf to access the next ID buffer number
    Redial +1, 2, 3 = A, B, or C for Port Number

ID Buffer Number:
    01~99
    A0~A9
    B0~B9
    C0

Default Values

If DISA ID Code is assigned as 2-digit:
    ID Buffer Number 01~10 = DISA ID Code 10~19
    ID Buffer Number 11~20 = DISA ID Code 20~29, etc.

If DISA ID Code is assigned as 3-digit:
    ID Buffer Number 01~C0 = DISA ID Code 100~219

If DISA ID Code is assigned as 4-digit:
    ID Buffer Number 01~10 = DISA ID Code 1000~1009
    ID Buffer Number 11~20 = DISA ID Code 1010~1019, etc.

4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Assign 000 (No Data) for stations that are not installed or stations that are denied DISA access.

DISA/ID Password Effect/Invalid Selection

System Mode
1
Submode
9
Data No.
02
PC Programming
Alt **+BD**

General Description

Use this Memory Block to assign a Direct Inward System Access (DISA) Password as Invalid (LK1) or Effective (LD2). If invalid is assigned, the calling party can use the DISA feature without a DISA Password.

Display

ID Buffer No. (01~C0)   Data No.   Title   Setting Data

0 1 / 0 2 : P A S W O R D = Y S

T I M E   D I S P L A Y

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK9 + ⓪ ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.

Setting Data:
　　NO (LK1) = DISA Password Invalid (Password is not required).
　　YES (LK2) = DISA Password in Effect (Password is required. Assign with MB 1-1-46~ 1-1-48).

Note: Use the following to enter data:

　　✱ to move the cursor left
　　# to move the cursor right
　　⓪ ~ ⑨ to enter numeric data
　　Conf to access the next ID buffer number
　　Redial +1, 2, 3 = A, B, or C for Port Number

ID Buffer Number:
　　01~99　= 01~99
　　A0~A9　= 100~109
　　B0~B9　= 110~119
　　C0　　 = 120

4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming.

ID Restriction Class Assignment (Day Mode)

General Description

Use this Memory Block to specify the DAY mode code restriction classes for each ID number.

Display

ID Buffer No. (01~96)	Data No.	Title	Setting Data

```
0 1 / 0 3 : C L S   D A Y = 0 0
         T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK9 + ⓪ ③ to access the Memory Block.
3	Use the dial pad to enter the data.

Default Values

ID Buffer No. 01~120 = Code Restriction Class No.00

For step 3:

Setting Data:
Code Restriction Class 00 ~ 15

Note: Use the following to enter data:

⍟ to move the cursor left

to move the cursor right

⓪ ~ ⑨ to enter numeric data

Conf to access the next ID buffer number

Redial +1, 2, 3 = A, B, or C for Port Number

ID Buffer Number:
01~99	= 01~99
A0~A9	= 100~109
B0~B9	= 110~119
C0	= 120

4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-19	Line Selection for Automatic Outgoing Calls
1-1-46	DID Digit Length Selection
1-1-47	DID Digit Conversion Assignment
1-1-48	DID Forward Station Number for Undefined Digit
* * 1-5-23 * *	T.B.A.
1-9-00	DISA/ID Code Assignment
1-9-02	DISA/ID Password Effect/Invalid Selection
1-9-03	ID Restriction Class Assignment (Day Mode)

Related Programming

M.B. Number	Memory Block Name
1-9-04	ID Restriction Class Assignment (Night Mode)
4-26	DISA/ID Number Station Assignment
* * 4-27 * *	T.B.A.

ID Restriction Class Assignment (Night Mode)

<table>
<tr><td>System Mode
1</td></tr>
<tr><td>Submode
9</td></tr>
<tr><td>Data No.
04</td></tr>
<tr><td>PC Programming
Alt +BO</td></tr>
</table>

General Description

Use this Memory Block to specify the NIGHT mode code restriction classes for each ID number.

Display

ID Buffer No. (01~96)	Data No.	Title	Setting Data

```
0 1 / 0 4 : C L S   N T = 0 0
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK9 + ⓪ ④ to access the Memory Block.
3	Use the dial pad to enter the data.

3 (continued)

Setting Data:
    Code Restriction Class 00 ~ 15

Note: Use the following to enter data:

    ✳ to move the cursor left

    # to move the cursor right

    ⓪ ~ ⑨ to enter numeric data

    Conf to access the next ID buffer number

    Redial +1, 2, 3 = A, B, or C for Port Number

ID Buffer Number:

01~99	= 01~99
A0~A9	= 100~109
B0~B9	= 110~119
C0	= 120

Default Values

ID Buffer No. 01~120 = Code Restriction Class No.00

4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-19	Line Selection for Automatic Outgoing Calls
1-1-46	DID Digit Length Selection
1-1-47	DID Digit Conversion Assignment
1-1-48	DID Forward Station Number for Undefined Digit
* * 1-5-23 * *	T.B.A.
1-9-00	DISA/ID Code Assignment
1-9-02	DISA/ID Password Effect/Invalid Selection
1-9-03	ID Restriction Class Assignment (Day Mode)

Related Programming

M.B. Number	Memory Block Name
1-9-04	ID Restriction Class Assignment (Night Mode)OMU
4-26	DISA/ID Number Station Assignment
* * 4-27 * *	T.B.A.

ACD/UCD Group Pilot Number Assignment

General Description

Use this Memory Block to specify the Pilot Number of an Automatic Call Distribution/ Uniform Call Distribution (ACD/UCD) Group where incoming calls are terminated.

Display

Group No. (1~4)	Data No.	Title	Setting Data (Pilot No. max. 4 Digits)

```
0 1 / 0 0 : P I L O T = 0 0
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK12 + (0 OPER) (0 OPER) to access the Memory Block.	
3	Enter data using the dial pad. **Note:** Use the following to enter data: (*) to move the cursor left (#) to move the cursor right (0 OPER) ~ (9 WXYZ) to enter numeric data **Settings:** Pilot No. (00~99) 2-digit (00~99) 3-digit (000~999) 4-digit (0000~9999)	**Default Values** Not Specified
4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment
1-2-03	2-, 3-, or 4-Digit Station Number Selection
1-8-25	ACD/UCD Group Agent Assignment
1-12-01	ACD/UCD Group Overflow Destination Assignment

ACD is **not** supported in the Xen Axis system.

ACD/UCD Group Overflow Destination Assignment

System Mode
1
Submode
12
Data No.
01
PC Programming
Alt +AA

General Description

This Memory Block specifies the station or Station Hunt Group where the overflow call of each Automatic Call Distribution/Uniform Call Distribution (ACD/UCD) Group is routed when incoming calls overflow.

Display

```
Group No.    Data                      Setting Data
(1~4)        No.          Title        Station No.
                                       max. 4 Digits)

0 1 / 0 1 : O V F L W =

        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK1 + LK12 + ⓪ ① to access the Memory Block.	
3	Enter data using the dial pad.	**Default Values**
	Note: The following are used when entering data:	Not Specified
	✱ to move the cursor left	
	# to move the cursor right	
	⓪ ~ ⑨ to enter numeric data	
	Settings:	
	Station No. (00~99)	
	2-digit (00~99)	
	3-digit (000~999)	
	4-digit (0000~9999)	
4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment
1-2-03	2-, 3-, or 4-Digit Station Number Selection
1-8-25	ACD/UCD Group Agent Assignment

1. An ACD/UCD Group Pilot Number cannot be programmed as the overflow destination.
2. UCD and ACD cannot be installed in the same system.
3. ACD is **not** supported in the Xen Axis system.

ACD/UCD Overflow Timer Selection

General Description

This Memory Block specifies the maximum time a waiting Automatic Call Distribution/
Uniform Call Distribution (ACD/UCD) call remains at an ACD/UCD Group before
overflowing to a specified Station or Station Hunt Group.

Display

Group No. (1~4)	Data No.	Title	Setting Data

```
0 1 / 0 1 : O V F T M R = 6 0
```
```
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
•	10 sec.	20 sec.	30 sec.
LK 5	**LK 6**	**LK 7**	**LK 8**
60 sec.	120 sec.	180 sec.	240 sec.

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK12 + ⓪ ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment
1-2-03	2-, 3-, or 4-Digit Station Number Selection
1-8-25	ACD/UCD Group Agent Assignment
1-12-01	ACD/UCD Group Overflow Destination Assignment

1. An ACD/UCD Group Pilot Number cannot be programmed as the overflow destination.
2. ACD is **not** supported in the Xen Axis system.

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PRI ISDN Channel Number Selection

General Description

This Memory Block specifies the number of channels available on each PRI ISDN line connected to the system via a PRT(1)-U13 ETU.

Display

PRI No. (01, 02)	Data No.	Title		Setting Data

```
0 1 / 0 0 : C H A N E L         4
          T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
4	8	12	16
LK 5	LK 6	LK 7	LK 8
20	24	28	32

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK1+ LK13 + ⓪ ⓪ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
7-1	Card Interface Slot Assignment
3-91	Trunk (Installed, DP/DTMF) Selection
1-8-33	Master Clock Selection

1. In Memory Block 1-13-00, channels are assigned in blocks of 4. Unused channels (those in excess of the number of channels provided by the network) must be set to NIL in Memory Block 3-91 and removed from Line Key assignments if necessary in Memory Block 2-06/ 4-12. These unused channels, while not available in the system, consume trunk ports and so limit the number of trunks available in the system.

Memory Block 1-13-05 must then be programmed to show the exact number of channels which are available.

2. The **Xen Axis** can accommodate a maximum of 1 PRT(1)-U13 ETU with 16 channels. Channels provided by the network in excess of 16 will not be available in the system.

eg.	With a PRI(10) installed, select LK3=12 channels.	Assign trunks 11 and 12 as NIL in Memory Block 3-91. Maximum number of trunks is now limited to 14.

3. The **Xen Master** can accommodate a maximum of 2 PRT(1)-U13 ETUs providing a total of 60 channels.

eg.	With a PRI(10) installed, select LK3=12 channels.	Assign trunks 11 and 12 as NIL in Memory Block 3-91. Maximum number of trunks is now limited to 62.
eg.	With a PRI(20) installed, select LK5=20 channels.	
eg.	With a PRI(30) installed, select LK8=32 channels.	Assign trunks 31 and 32 as NIL in Memory Block 3-91. Maximum number of trunks is now limited to 60.

4. A PRT(1)-U13 ETU must be assigned in the system to set this Memory Block.

PRT B-Channel Map Assignment

General Description

Use this Memory Block to allocate the CO/DID trunks to the B Channel of the PRT(1)-U13 ETU.

System Software version 5.0 or higher and PRT Firmware version 2.0 or higher are required.

PRT No.	Data No.	Title	Setting Data B-Channel	Setting Data CO

```
0 1  /  0 5  :  B    ( 0 1 )  =  0 1
          T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK13 + ⓪ ⑤ to access the Memory Block.
3	Use the following to enter data:
	✳ to move the cursor left.
	# to move the cursor right.
	⓪ ~ ⑨ to enter numeric data. (00~30, 00=Not Assigned)
4	Press Transfer to write the data.
5	Press Speaker To go back on-line.

1. Duplicate assignment (e.g., B1 and B2 both set to CH01) is not allowed except for 00.
2. B channels must be allocated in this Memory Block to ensure that correct B channels are used for incoming or outgoing calls.
3. Refer to the following examples.

General Description Fractional Configuration Examples

1. The network provides B05~B12 when user subscribes 8 PRI channels.

```
CPU Side           PRT          Network Side

CH 01                                 B1  ⎫
                                      ∫   ⎬ Unavailable
                                      B4  ⎭
CH 08
                              B5
                              ∫        Fractional Subscription
                              B12
                                      B13 ⎫
                                      ∫   ⎬ Unavailable
                                      B30 ⎭
```
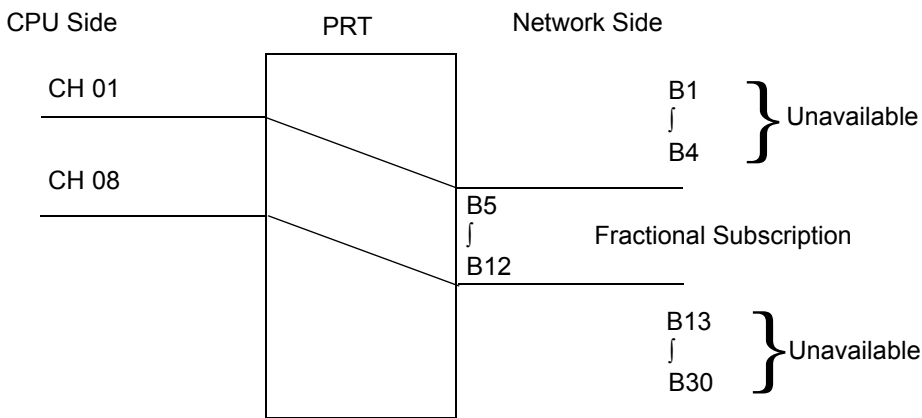
Data assignment for above example

Memory Block	Title	Setting Data
7-01	Card Interface Slot Assignment	Slot 4: PRT/PRT (lower/upper) Slot 5: None/None Slot 6: None/None
1-08-33	Master Clock Selection	Cabinet 1, Slot 4
1-13-00	PRT Channel Assignment	8 Channels
1-13-05	PRT B-Channel Map Assignment	B1~B4: 00 (Not Assigned) B5~B12 Assigned B13~B30: 00 (Not Assigned)

ACR Feature Allow/Deny Selection

General Description

Use this Memory Block to specify whether or not ACR is system wide.

This feature requires System Software V3.XX or higher.

Display

Data No.	Title		Setting Data
0 0 :	A C R		N O
	T I M E D I S P L A Y		

Settings

LK 1	LK 2	LK 3	LK 4
NO (Deny)	YES (Allow)		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK14 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the Setting Data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-03	Trunk-to-Trunk Group Assignment
4-41	LCR Class Selection
1-8-08	Class of Service (Station) Feature Selection 2
1-14-01	ACR Dialling Assignment
1-14-01	ACR Dialled Number Dial Allow/Deny Selection
1-14-03	ACR Trunk Group to Route Number Assignment
1-14-05	ACR Digit Add Assignment
1-14-02	ACR Route Table Number Assignment
1-14-04	ACR Digit Delete Assignment

*When ACR is set to Allow in this MB, LCR stored on the MIF-L will stop functioning.

ACR Dialling Assignment

General Description

Use this Memory Block to assign a dialling plan to one of four possible ACR Tables. Each table contains 128 maximum dialing assignments for the selected dialing plan.

This feature requires System Software S3.XX or higher.

Display

Data No.	Table No. 1~4	Dial No. (1~C8)	Setting Data

```
0  1  :  1  /  0  1  =
              T I M E   D I S P L A Y
```
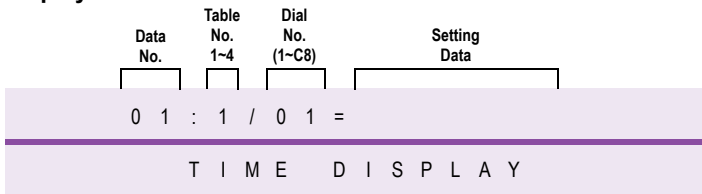
System Mode
1
Submode
14
Data No.
01
PC Programming
Alt +AO

Programming Procedures

1	Go off-line.
2	Press LK1 + LK14 + (#) (1) to access the Memory Block.
3	Use dial pad keys to select Table number **Default Values:** None **Note:** Use (*) to move cursor left. Use (#) to move cursor right. Use (Hold) to clear setting data. Table No. 1~4 Entry No. 01~C8 (1~128) per table Setting Data 0~9, (*), **✱**, #, X, P, N (8 Digit Maximum)
4	Operation Data Includes:

	Operation Data	**Dial**	**Operation**
	X	0~9, *, #	Redial + 7
	P	0 and 1	Redial + 8
	N	2~9	Redial + 9
	*	*	Redial + *
	#	#	Redial + #

5	Press (Transfer) to write the data.
6	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-03	Trunk-to-Trunk Group Assignment
4-41	LCR Class Selection
1-8-08	Class of Service (Station) Feature Selection 2
1-14-00	ACR Feature Allow/Deny Selection
1-14-01	ACR Dialled Number Dial Allow/Deny Selection
1-14-03	ACR Trunk Group to Route Number Assignment
1-14-05	ACR Digit Add Assignment

Related Programming

M.B. Number	Memory Block Name
1-14-02	ACR Route Table Number Assignment
1-14-04	ACR Digit Delete Assignment

Entries A0~C8 are 100~128.

ACR Dialled Number Dial Allow/ Deny Selection

General Description

Use this Memory Block to Allow or Deny digits that are entered in the ACR dialing assignment to be routed using the ACR feature.

This feature requires System Software S3.XX or higher.

Display

	Data No.	Table No. 1~4	Dial No. (1~C8)	Title	Setting Data
	0 2 : 1 / 0 1			A / D	Y E S
	T I M E D I S P L A Y				

Settings

LK 1	LK 2	LK 3	LK 4
YES	NO		
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK14 + (#) (2 ABC) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the Setting Data option. Use dial pad keys (0 OPER) ~ (9 WXYZ) to select Data **Note:** Press (*) to move cursor left. Press (#) to move cursor right.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-03	Trunk-to-Trunk Group Assignment
4-41	LCR Class Selection
1-8-08	Class of Service (Station) Feature Selection 2
1-14-00	ACR Feature Allow/Deny Selection
1-14-01	ACR Dialling Assignment
1-14-03	ACR Trunk Group to Route Number Assignment
1-14-05	ACR Digit Add Assignment
1-14-02	ACR Route Table Number Assignment
1-14-04	ACR Digit Delete Assignment

1. Entries A0~C8 are 100~128.

2. If NO (Deny) is set, programming the other Memory Blocks for this dialing assignment is unnecessary.

ACR Route Table Number Assignment

General Description

Use this Memory Block to assign each ACR Dialing Assignment to an ACR Route Assignment.

This feature requires System Software S3.XX or higher.

Display

Data No.	Table 1~4	01~C8 Dial No.	Title	Setting Data

```
0 3 : 1 / 0 1    R O U T E    0 0
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK14 + (#) (3) to access the Memory Block.
3	Use dial pad keys to select Table number (1~4), Dial number (01~C8), and Route number (01~32). Use dial pad keys (0) ~ (9) to select Data **Note:** Use (*) to move cursor left. Use (#) to move cursor right.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-03	Trunk-to-Trunk Group Assignment
4-41	LCR Class Selection
1-8-08	Class of Service (Station) Feature Selection 2
1-14-00	ACR Feature Allow/Deny Selection
1-14-01	ACR Dialling Assignment
1-14-01	ACR Dialled Number Dial Allow/Deny Selection
1-14-03	ACR Trunk Group to Route Number Assignment
1-14-05	ACR Digit Add Assignment
1-14-04	ACR Digit Delete Assignment

1. Entries A0~C8 are 100~128.
2. If ACR Route Assignment 00 is selected, the call is sent to Trunk Group 01 exactly as it was dialed.

ACR Trunk Group to Route Number Assignment

<table>
<tr><td>System Mode
1</td></tr>
<tr><td>Submode
14</td></tr>
<tr><td>Data No.
04</td></tr>
<tr><td>PC Programming
[Alt]+AB</td></tr>
</table>

General Description

Use this Memory Block to specify whether a Trunk Group is used for each Route assignment.

This feature requires System Software V3.XX or higher.

ICM is allowed as an option with system software version 6.0 or higher.

Display

	Data No.	Route No.	Setting Data 1	Setting Data 2
	0 4	/ 0 1	= N O R M A L	
			T I M E D I S P L A Y	

Settings

LK 1	LK 2	LK 3	LK 4
NORMAL (Originate)	TKGP (01~32)	ICM	
LK 5	LK 6	LK 7	LK 8

The shaded selection is the default.

Programming Procedures

1	Go off-line.
2	Press LK1 + LK14 + (#) (4 GHI) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the Setting Data 1 option. Use dial pad keys (0 OPER) ~ (9 WXYZ) to select Data Setting Data 2 Trunk Group Number (01~32) or Setting Data 2 RAB (1~16). **Note:** Press (∗) to move cursor left. Press (#) to move cursor right.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-03	Trunk-to-Trunk Group Assignment
4-41	LCR Class Selection
1-8-08	Class of Service (Station) Feature Selection 2
1-14-00	ACR Feature Allow/Deny Selection
1-14-01	ACR Dialling Assignment
1-14-02	ACR Dialled Number Dial Allow/Deny Selection
1-14-03	ACR Route Table Number Assignment
1-14-05	ACR Digit Delete Assignment
1-14-06	ACR Digit Add Assignment

If NORMAL is selected, the call is routed to Trunk Group 1 exactly as dialed.

ACR Digit Delete Assignment

General Description

Use this Memory Block to specify the number of digits to be deleted from the Route assignment.

This feature requires System Software S3.XX or higher.

Display

Data No.	Title	Route No.	Setting Data

```
0 5 : D E L E T E   0 1 =   0 0
```
```
      T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK14 + (#) (5/JKL) to access the Memory Block.
3	Use dial pad keys (0/OPER) ~ (9/WXYZ) to select Route No (01~32). and number of digits (00~10). **Note:** Use (*) to move cursor left. Use (#) to move cursor right. If setting data is 00, digits are not deleted.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-03	Trunk-to-Trunk Group Assignment
4-41	LCR Class Selection
1-8-08	Class of Service (Station) Feature Selection 2
1-14-00	ACR Feature Allow/Deny Selection
1-14-01	ACR Dialling Assignment
1-14-01	ACR Dialled Number Dial Allow/Deny Selection
1-14-02	ACR Route Table Number Assignment
1-14-05	ACR Digit Add Assignment
1-14-03	ACR Trunk Group to Route Number Assignment

The maximum number of digits that can be deleted cannot exceed the number of digits used to route the call.

ACR Digit Add Assignment

System Mode
1
Submode
14
Data No.
06
PC Programming
[Alt] **+AO**

General Description

Use this Memory Block to specify the number of digits to add to the Route assignment.

This feature requires System Software S3.XX or higher.

Display

Data No.	Route No.	Setting Data

```
0 6 / 0 1 =

        T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK14 + (#) (6 MNO) to access the Memory Block.
3	Use dial pad keys (0 OPER) ~ (9 WXYZ) , (✳) , (#) to select Route No. (01~32) and enter the additional dialing digits. **Default Values** / **Not Specified** **Note:** Use (✳) to move cursor left. Use (#) to move cursor right. Use [Redial] + (✳) to enter (✳) . Use [Redial] + (#) to enter (#) . Use [Redial] + (0 OPER) to enter PAUSE.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-03	Trunk-to-Trunk Group Assignment
4-41	LCR Class Selection
1-8-08	Class of Service (Station) Feature Selection 2
1-14-00	ACR Feature Allow/Deny Selection
1-14-01	ACR Dialling Assignment
1-14-01	ACR Dialled Number Dial Allow/Deny Selection
1-14-02	ACR Route Table Number Assignment
1-14-04	ACR Digit Delete Assignment
1-14-03	ACR Trunk Group to Route Number Assignment

A maximum of 10 digits can be added to a route assignment.

Trunk to Tenant Assignment

General Description

Use this Memory Block to assign CO/PBX lines to a tenant.

Display

Tenant No. (00~47) *Data No.* *Title* *Trunk*

| 0 0 / 0 1 : T R K - T N T | 0 1 |
| T I M E   D I S P L A Y |

System Mode
2
Submode
—
Data No.
01
PC Programming
Alt +BN

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
01	02	03	04
LK 5	LK 6	LK 7	LK 8
05	06	07	08

(Page 2)

LK 1	LK 2	LK 3	LK 4
09	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

(Page 3)

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

(Page 4)

LK 1	LK 2	LK 3	LK 4
25	26	27	28
LK 5	LK 6	LK 7	LK 8
29	30	31	32

(Page 5)

LK 1	LK 2	LK 3	LK 4
33	34	35	36
LK 5	LK 6	LK 7	LK 8
37	38	39	40

(Page 6)

LK 1	LK 2	LK 3	LK 4
41	42	43	44
LK 5	LK 6	LK 7	LK 8
45	46	47	48

(Page 7)

LK 1	LK 2	LK 3	LK 4
49	50	51	52
LK 5	LK 6	LK 7	LK 8
53	54	55	56

(Page 8)

LK 1	LK 2	LK 3	LK 4
57	58	59	60
LK 5	LK 6	LK 7	LK 8
61	62	63	64

Note: All line keys are a default setting.

Programming Procedures

1	Go off-line.
2	Press LK2 + (0 OPER) (1) to access the Memory Block.

3	Press the corresponding CO/PBX line key to change the data option.

Note: Use the following to enter data:

- (✳) to move the cursor left
- (#) to move the cursor right
- (0 OPER) ~ (9 WXYZ) to enter numeric data
- Conf to go to the next Tenant No.
- Recall to go to the next page
- Feature to go to the previous page

CO/PBX Line LED	**Off**	**Off**
Data	No (Not Assigned)	Yes (Assigned)

Default Values

Tenant 00	Tenant 01~47
CO/PBX lines 01~64 assigned (YES)	Not assigned

There is no default setting.

4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
2-05	Line Key Selection
4-09	Telephone to Tenant Assignment

If data is changed while the system is busy, DATA ENTRY is displayed at the programming station until the system becomes idle.

Line Key Selection

General Description

Use this Memory Block to allow the technician to specify either of two line key assignment modes for each tenant. The choices are Tenant-Wide Mode or Telephone Mode.

Display

Tenant No. (00~47)	Data No.	Title	Setting Data

```
0 0 / 0 5 : M O D E      T E L
         T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Tenant-Wide Mode	Telephone Mode		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK2 + (0 OPER) (5 JKL) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
2-06	Line Key Selection for Tenant Mode
4-12	Line Key Selection for Telephone Mode

1. Mixed use of Tenant-Wide Mode and Telephone Mode in the system is permitted.
2. Tenant-Wide Mode:
3. Memory Block 2-06 Line Key Selection for Tenant Mode permits assignment of any desired feature to each of the CO/PBX line keys. All the telephones in a tenant are assigned the same features.
4. Telephone Mode:
5. Memory Block 4-12 Line Key Selection for Telephone Mode permits assignment of any feature to each of the CO/PBX line keys. Each telephone can be assigned different features.

Line Key Selection for Tenant Mode

General Description

This Memory Block allows the assignment of functions to each of the CO/PBX line keys on each telephone in a tenant specified as Tenant Mode in Memory Block 2-05 Line Key Selection.

Display

Tenant No. (00~47)	Data No.	Line Key No. (01~24)	Setting Data 1	Setting Data 2

```
0 0 / 0 6 : L 0 1 = C O      0 1
         T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Not Specified	CO/PBX Line	CFW - BNA	CFW - ALL
LK 5	LK 6	LK 7	LK 8
Call Appearance	Feature Access	Trunk Group	Route Advance

(Page 2)

The shaded area indicates the default setting.

LK 9	LK102	LK 11	LK 12
SIE/CAR Key	Microphone Key	Headset	Scroll Key (Used with Caller ID)
LK 13	LK 14	LK 15	LK 16
DND On/Off	Log On/Off	BGM On/Off	ICM Key

Programming Procedures

1	Go off-line.
2	Press LK2 + (0 OPER) (6 MNO) to access the Memory Block.

Programming Procedures

3	Press the corresponding CO/PBX line key to change the data option.

The operation data includes:

Setting Data

Line Key	Setting Data (1)	LCD Indication	Setting Data (2)
1	Not Specified	NON	N/A
2	CO	CO	01~64
3	CFW - BNA	FW BNA	N/A
4	CFW - ALL	FW ALL	N/A
5	Call Appearance Block (00~47)	C	Call Appearance Key 01~24
6	Feature Access	FA	01~10 (01~16 if main software Release 4 and above)
7	Trunk Group	TKGP	01~32
8	Route Advance	ADV	01~16
9	SIE/CAR Key	SIE	Telephone Port No. 01~C0
10	Microphone	MIC	N/A
11	Headset	H SET	N/A
12	Scroll Key	SCROLL	N/A
13	DND On/Off	DND	N/A
14	Log On/Off	LOG	N/A
15	BGM On/Off	BGM	N/A
16	Intercom Key	ICM	N/A

Default Values

Line Keys	Tenant 00	Tenant 01~47
01~08	CO/PBX lines 01~08	Not assigned
09~24	Not assigned	Not assigned

Note: The following are used when entering data:

- ✱ to moves the cursor left
- # to moves the cursor right
- (0) ~ (9) to enter the numeric data
- Conf to go to the next Tenant No.

4	Press CO/PBX LK7; TKGP is displayed.
5	Enter (0) (5) (for RT 05) using the dial pad.
6	Press Transfer ; data of CO/PBX LK 01~24 is displayed successively.
7	After entering data for CO/PBX LK24, press Transfer to write the data.
8	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
2-05	Line Key Selection

1. Specify Call Appearance as the call appearance number of Call Appearance Block numbers from Memory Block 4-44 Station to Call Appearance Block Assignment.

2. Use this Memory Block to assign the following functions to each of the CO/PBX line keys on each telephone in a tenant specified as Tenant Mode in Memory Block 2-05 Line Key Selection:

    ✆   Not specified (NON)

    ✆   CO/PBX Line (CO) 01~64

    ✆   CFW - BNA

    ✆   CFW - ALL

    ✆   Call Appearance (C) 00~47, 01~24 (Each Call Appearance Block may have a maximum of 24 Call Appearance keys).

    ✆   Feature Access (FA) 01~10

    ✆   Trunk Group (TKGP) 01~32

    ✆   Route Advance Block (ADV) 01~16

    ✆   Secondary Incoming Extension (SIE) / Call Arrival Keys (CAR) 0~112

    ✆   Microphone (MIC)

    ✆   Headset (H SET)

    ✆   Scroll Key

    ✆   DND/Break Mode

    ✆   Log On/Off

    ✆   BGM On/Off

    ✆   Intercom Key

3. Use this Memory Block only if Memory Block 2-05 is set to "Tenant Mode".

System Speed Dial Display Assignment

General Description

Use this Memory Block to specify whether or not confirmation of the Speed Dial numbers and messages stored in the system Speed Dial memory is allowed.

Display

	Tenant No. (00~47)	Data No.	Title	Page No.

```
0 0 / 0 7 : S P D   D S P | 0 1
        T I M E   D I S P L A Y
```

Settings

(Page 1) When system Speed Dial is 90 buffers

LK 1	LK 2	LK 3	LK 4
00~09	10~19	20~29	30~39
LK 5	**LK 6**	**LK 7**	**LK 8**
40~49	50~59	60~69	70~79

(Page 2)

LK 1	LK 2	LK 3	LK 4
80~89			
LK 5	**LK 6**	**LK 7**	**LK 8**

(Page 1) When system Speed Dial is 1000 buffers:

LK 1	LK 2	LK 3	LK 4
000~099	100~199	200~299	300~399
LK 5	**LK 6**	**LK 7**	**499**
400~499	500~599	600~699	700~799

(Page 2)

LK 1	LK 2	LK 3	LK 4
800~899	900~999		
LK 5	**LK 6**	**LK 7**	**LK 8**

Note: All line keys are a default setting.

Programming Procedures

1	Go off-line.
2	Press LK2 + ⓪ ⑦ to access the Memory Block.
3	Press the CO/PBX Line key. The LED indication changes to indicate the data each time the CO/PBX line key is pressed.

For step 3:

Default Values

All Speed Dial confirmation allowed.

> **Note:** Use the following to enter data:
> - ✳ to move the cursor left
> - ＃ to move the cursor right
> - ⓪ ~ ⑨ to enter number data
> - Recall to go to next page
> - Feature to go to previous page

CO/PBX Line LED	Off	On
Data	No (Not Assigned)	Yes (Assigned)

There is no default setting.

4	After entering data for all pages, press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-35	Speed Dial Buffer Allocation
1-8-07	Class of Service (Attendant) Feature Selection 1

1. If Deny is specified, no display is presented even when a System Speed Dial call is originated.
2. Divide the Speed Dial numbers into groups and specify, per tenant, whether confirmation is allowed or denied.
3. Station Message Detail Recording (SMDR) prints telephone numbers.

ECR Relay to Tenant Assignment

System Mode
2
Submode
—
Data No.
08
PC Programming
[Alt]+**BN**

General Description

Use this Memory Block to specify Tenant Assignment for External Tone Ring/Night Chime function.

Display

Tenant No. (00~47)   Data No.   Title

```
0 0 / 0 8 : R L Y   T E N A N T
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
External Tone Relay 1	External Tone Relay 2	External Tone Relay3	External Tone Relay 4

LK 5	LK 6	LK 7	LK 8
Night Chime			

There is no default value.

Programming Procedures

1	Go off-line.
2	Press LK2 + (0 OPER) (8 TUV) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. **Note:** Use the following to enter data: (*) to moves the cursor left (#) to moves the cursor right [Conf] to go to the next Tenant No.	**Default Values** All Tenants No Assignment
4	Press the [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-7-07	External Ring Relay Cycle Selection

1. By assigning Night Chime to a Tenant, incoming calls to the Tenant Group in Night Mode can be answered using the Night Call Pickup Access Code.
2. The relays are fixed (non programmable).
3. Night Chime must be assigned for Night Call Pickup to work. A relay may be assigned even if no ECR-U13 ETU is installed in the system.

Dial-In Tenant Incoming Limit Assignment

General Description

Use this Memory Block to assign names for telephone stations.

Display

Tel Port No. (00~47) A0~C0 | Data No. | Title | Data

| 0 0 / 0 9 : | L I M I T | 0 0 |
| T I M E   D I S P L A Y |

Programming Procedures

1	Go off-line.
2	Press LK2 + ⓪ ⑨ to access the Memory Block.
3	Use the dial pad to enter data. Refer to Section 7 Character Code Tables, and enter the 3-digit code to display each character. **Default Values** No Limit = 0
	Note: Use the following to enter data: ✳ to move the cursor left # to move the cursor right ⓪ ~ ⑨ to enter numeric data Conf to go to next Tenant. **Setting Data:** 0 = No Limit 1~64 = Number of effective incoming
4	Press Transfer to write the data.
5	After entering all data, press Transfer
6	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
2-01	Trunk to Tenant Assignment

1. This memory block is applicable to main software Release 4.0 and above.

Trunk Name/Number Assignment

System Mode
3
Submode
—
Data No.
00
PC Programming
Alt +BCT

General Description

Use this Memory Block to specify telephone name/number for the CO/PBX lines accommodated so that the information is displayed when the CO/PBX Line is seized, or during an incoming call.

Display

CO/PBX No.
(01~64)

Setting Data
(13 digits maximum)

```
0 1 / 9 7 2 - 7 5 1 - 7 0 0 0
```
```
T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Number	Name		
LK 5	LK 6	LK 7	LK 8

There is no default setting.

Programming Procedures

1	Go off-line.	
2	Press LK3 + ⓪ ⓪ to access the Memory Block.	
3	Use the dial pad to enter data.	**Default Values**
	Note: Use the following enter data:	Not Specified
	ⓧ to moves the cursor left	
	# to moves the cursor right	
	⓪ ~ ⑨ to numeric keys for entering data	
	Redial to generate a - (hyphen)	
	Hold to generate a space (clear after hold)	
	Conf to go to the next CO/PBX Line No.	
4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

When a name is selected, use Section 7 Character Code Tables on page 1-442 to get the character codes.

Trunk Status Selection

General Description

Use this Memory Block to specify whether a CO/PBX line is used for call origination and termination or termination only.

Display

CO/PBX No. (01~64)	Data No.	Setting Data

```
0 1 / 0 2    O U T  &  I N
        T I M E    D I S P L A Y
```
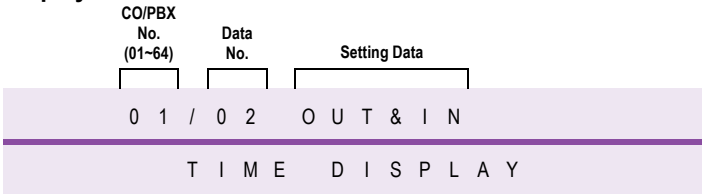
Settings

LK 1	LK 2	LK 3	LK 4
Out & In	In		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + [Transfer] + (0 OPER) (2 ABC) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	[Conf] to go to the next CO/PBX Line No.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Trunk-to-Trunk Group Assignment

General Description

Use this Memory Block to assign a Trunk Group Number (01~32) to each CO/PBX line.

Display

CO/PBX No. (01~64)	Data No.	Title	Trunk Group No. (01~32)

```
0 1 / 0 3 : T R K   G P   = 0 1
        T I M E   D I S P L A Y
```

Programming Procedures

| 1	Go off-line.	
2	Press LK3 + Transfer + 0 3 to access the Memory Block.	
3	Enter data using the dial pad. **Note:** Use the following enter data: ✳ to moves the cursor left # to moves the cursor right 0 ~ 9 to enter numeric data Conf to go to the next CO/PBX Line No. **Setting Data** 00 : Not set 01~32 : Trunk Group 01~32	**Default Values** CO/PBX lines (01~08) in Trunk Group 01 CO/PBX lines (09~64) in Trunk Group 00 All Tie lines in Trunk Group 02 All DID lines in Trunk Group 00 All ISDN lines in Trunk Group 00
4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

1. When an Access Code corresponding to a Trunk Group is dialled, an idle CO line is selected automatically and seized from the same Trunk Group dialled (the CO line of either same tenant or another tenant can be seized).
2. By specifying the priority order, up to four routes (Trunk Groups) can be selected in Memory Block 1-1-30 Route Advance Block Assignment. Idle CO lines are selected and seized in this sequence.
3. If LCR is installed, Local Trunks should be assigned to Trunk Group 1. When a number is dialled that bypasses LCR, the system accesses Trunk Group 1 and dials the number.

Trunk-to-Trunk Transfer Yes/No Selection

General Description

This Memory Block specifies whether or not to allow Trunk-to-Trunk Transfer.

Display

```
          CO/PBX
           No.
          (01~64)        Title      Setting
                                      Data
        ┌──┐      ┌──┐      ┌──┐
  0 1 / 0 4 : T R F       Y S

        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + (0)(4) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	(✱) to move the cursor left
	(#) to move the cursor right
	(0) ~ (9) to enter numeric data
	(Conf) to go to the next CO/PBX Line No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-8-07	Class of Service (Attendant) Feature Selection 1
1-8-08	Class of Service (Station) Feature Selection 2
3-05	Trunk Incoming Answer Mode Selection
3-06	Automatic Tandem Trunk Assignment
5-01	Tie Line Networking Tandem Connection Assignment

Assign Yes to connect both trunks via Trunk-to-Trunk Transfer or Automatic Trunk-to-Trunk Transfer feature.

Trunk Incoming Answer Mode Selection

General Description

This Memory Block specifies, per outside line, the incoming answer mode (Automatic Trunk-to-Trunk Transfer, Automated Attendant, or DISA).

Display

```
CO/PBX
No.          Data                    Setting
(01~64)      No.                     Data

0 1 / 0 5 : N O   A S S I G N

T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Normal	Automatic Trunk-to-Trunk Transfer	Automated Attendant/ DISA	
LK 5	**LK 6**	**LK 7**	**LK 8**

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + ⌜Transfer⌟ + ⓪ ⑤ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.

Line Key	LCD Indication when Selected	Definition
LK 1	NO ASSIGN	Normal
LK 2	TANDM TRF	Automatic Trunk-to-Trunk Transfer
LK 3	AA	Automated Attendant/DISA

Note: Use the following to enter data:

⌜Conf⌟ to go to the next CO/PBX Port No.

4	Press ⌜Transfer⌟ to write the data.
5	Press ⌜Speaker⌟ to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

Automatic Tandem Trunk Assignment

General Description

Use this Memory Block to specify the incoming trunk and outgoing trunk for Automatic Trunk-to-Trunk Transfer.

Display

(Incoming) CO/PBX No. (01~64)	Data No.	Title	Setting Data

```
0 1 / 0 6 : T A N D     C O =
        T I M E     D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK3 + (Transfer) + (0) (6) to access the Memory Block.	
3	Enter data using the dial pad.	**Default Values**
	Note: Use the following to enter data:	Not Specified
	(*) to move the cursor left	
	(#) to move the cursor right	
	(0) ~ (9) to enter numeric data	
	(Conf) to go to the next CO/PBX Line No.	
4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
3-04	Trunk-to-Trunk Transfer Yes/No Selection

CO/PBX Ringing Variation Selection

General Description

Use this Memory Block to specify a ringing tone (Low, Medium, or High) for each CO/PBX line.

Display

CO/PBX No. (01~64)	Data No.		Title		Setting Data

```
0 1 / 0 7 : D S T    R I N G = M
        T I M E    D I S P L A Y
```
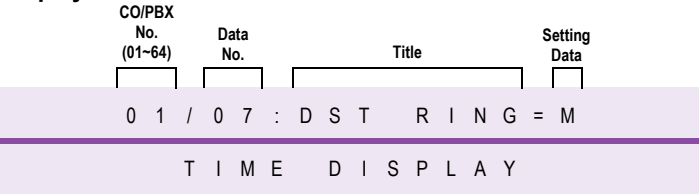
Settings

LK 1	LK 2	LK 3	LK 4
Medium (M)	Low (L)	High (H)	
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + 0 OPER 7 PQRS to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following when entering data:
	Conf to go to the next CO/PBX Line No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-28	Distinctive Ringing by Telephone or CO Selection

1. This Memory Block is not applicable if Telephone is selected in Memory Block 1-1-28 Distinctive Ringing by Telephone or CO Selection.
2. High, medium, or low ringing tone follows when transferring calls.

CO External Source Selection

General Description

Use this Memory Block to specify which CO Trunk is to have an External Music Source connected. A powered LIU must be used for Music Source Input. (Refer to System Hardware Manual for details).

Display

CO/PBX No. (01~64)	Data No.	Title

```
1 1 / 1 1 : C O
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
CO	Ext Source		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + [Transfer] + (1)(1) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. **Note:** Use the following when entering data: [Conf] to go to the next CO/PBX Line No.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-12	CO Hold Melody Selection (CO)

1. This is also used for Tie lines.

CO Hold Melody Selection (CO)

General Description

Use this Memory Block assigns CO Trunks to the CO Music Source inputs set in Memory Block 3-11.

Display

CO/PBX No. (01~64)	Data No.	Title	CO/PBX No. (01~64)

```
1 1 / 1 2 : H O L D C O     O O
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
CO	Ext Source		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.	
2	Press LK3 + [Transfer] + ① ② to access the Memory Block.	
3	Enter data using the Dial Pad. **Note:** Use the following when entering data: ✳ to move the cursor to the left # to move the cursor to the right [Conf] to go to the next CO/PBX Line No.	**Setting Data** 00 = Melody 10 01~64 = CO/PBX Line No. set in MB 3-11
4	Press [Transfer] to write the data.	
5	Press [Speaker] to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
3-11	CO External Source Selection

Example:

Input C05 at MB3-11 (C05 = Ext Source)

Radio   LIU
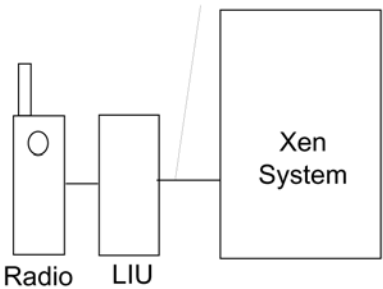
CO8 requires music at CO5 MB3-12 (CO8 Hold CO5)

Tie/DID Line Type Assignment

General Description

Use this Memory Block to assign the method of loop supervision to be used for each Trunk associated with a Tie line.

Display

| Tie/DID No. (01~64) | Data No. | Title |

`0 1 / 1 4 : I M M E D I A T E`

`T I M E   D I S P L A Y`

Settings

LK 1	LK 2	LK 3	LK 4
2nd Dial Tone	Immediate	Delayed	Wink Start
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + ① ④ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. **Note:** Use the following to enter data: Conf to go to the next CO/PBX Port No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-91	Trunk (Installed, DP/DTMF) Selection

1. Line keys 1~4 correspond to the following methods of loop supervision:
   1 = Second Dial Tone
   2 = Immediate Start
   3 = Delay Dial
   4 = Wink Start
2. If a second dial tone is selected, the distant system provides the dial tone.
3. If Immediate, Delay, or Wink Start is selected, the local system provides the dial tone.

Trunk DTMF Duration/Interdigit Selection

System Mode
3
Submode
—
Data No.
15
PC Programming
Alt +**BCT**

General Description

Use this Memory Block to specify the tone duration and interdigit time of dual-tone multi-frequency (DTMF) signals.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data
0 1 / 1 5 : M F			6 0 / 8 0

T I M E   D I S P L A Y

Settings

LK 1		LK 2		LK 3		LK 4	
D.D.	I.T.	D.D.	I.T.	D.D.	I.T.	D.D.	I.T.
60 ms.	70 ms.	60 ms.	80 ms	110 ms	80 ms	160 ms.	80 ms

LK 5		LK 6		LK 7		LK 8	
D.D.	I.T.	D.D.	I.T.	D.D.	I.T.	D.D.	I.T.
210 ms	80 ms	410 ms	100 ms	610 ms	100 ms	810 ms	190 ms

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + ① ⑤ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	(Conf) = Next CO/PBX Line No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-91	Trunk (Installed, DP/DTMF) Selection

1. This is also used for Tie lines.

Tie Line Prepause Time Selection

General Description

Use this Memory Block to specify the time (prepause) when the originating side becomes able to send dial pulse or dual-tone multi-frequency (DTMF) to the distant system.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data	Page No.

```
0 1 / 1 6 : P R E          0 | 1

      T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
0 sec.	0.5 sec.	1.0 sec.	1.5 sec.
LK 5	LK 6	LK 7	LK 8
2.0 sec.	3.0 sec.	4.0 sec.	5.0 sec.

(Page 2)

The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
6.0 sec.	7.0 sec.	8.0 sec.	9.0 sec.
LK 5	LK 6	LK 7	LK 8
10.0 sec.	11.0 sec.	12.0 sec.	13.0 sec.

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + (1) (6 MNO) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: The following to enter data:
	(Recall) to go to the next page
	(Feature) to go to the previous page
	(Conf) to go to the next CO/PBX Line No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. Prepause time differs according to the acknowledgment signaling method.

Tie Line Answer Detect Time Selection

General Description

Use this Memory Block to specify the duration between the time when the receiving Xen system answers (off-hook) and the time when it is recognized as an answer.

Display

```
CO/PBX
No.          Data                    Setting      Page
(01~64)      No.        Title        Data         No.
```

```
0 1 / 1 7 : P R E        3 9 0 | 1
```

```
T I M E    D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
0 ms.	130 ms.	260 ms.	390 ms.
LK 5	LK 6	LK 7	LK 8
520 ms.	650 ms.	780 ms.	910 ms.

(Page 2)   The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
1040 ms.	1170 ms.	1300 ms.	1430 ms.
LK 5	LK 6	LK 7	LK 8
1560 ms.	1690 ms.	1820 ms.	1950 ms.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + 1 7(PQRS) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: The following are used when entering data:
	Recall to go to the next page
	Feature to go to the previous page
	Conf to go to the next CO/PBX Line No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. Answering a call may not be possible if the CO answer detect time is too long.

Tie Line Release Detect Time Selection

General Description

Use this Memory Block to specify the duration between the time when the circuit disconnection is detected on the Tie line on the distant system side and the time when it is recognized as Tie line release.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data	Page No.

```
0 1 / 1 8 : R L S      2 6 0 | 1
        T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
0 ms.	130 ms.	260 ms.	390 ms.
LK 5	LK 6	LK 7	LK 8
520 ms.	650 ms.	780 ms.	910 ms.

(Page 2)   The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
1040 ms.	1170 ms.	1300 ms.	1430 ms.
LK 5	LK 6	LK 7	LK 8
1560 ms.	1690 ms.	1820 ms.	1950 ms.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + ① ⑧ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: The following are used when entering data:
	Recall to go to the next page
	Feature to go to the previous page
	Conf to go to the next CO/PBX Line No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. Specify distinguishing circuit release from on-hook, noise, and temporary interruption. There are four probable situations for Tie line release detection:

    ✆   Called side hangs up first. The circuit is released 92 ms. + specified time after the other party disconnects the call.

    ✆   Called side hangs up second. The circuit is released when the specified time has elapsed after the other party hangs up.

    ✆   Originating side hangs up first. The circuit is released 92 ms. + specified time after the other party hangs up.

    ✆   Originating side hangs up second. The circuit is released when the specified time has elapsed after the other party hangs up.

Tie Line/CO/PBX Incoming Signal Detect Time Selection

System Mode
3
Submode
—
Data No.
19
PC Programming
Alt +**BCT**

General Description

Use this Memory Block to specify the duration between the time when the incoming signal from another system is detected and the time when the acknowledgment signal is sent out.

Display

Data No.	Title	Setting Data	Page No.

```
0 1 / 1 9 : I N C       0 3    | 1
─────────────────────────────────────
        T I M E   D I S P L A Y
```

Settings

In Wink Start Method (Page 1)

LK 1	LK 2	LK 3	LK 4
0 ms. (00)	130 ms. (01)	260 ms. (02)	390 ms. (03)
LK 5	LK 6	LK 7	LK 8
520 ms. (04)	650 ms. (05)	780 ms. (06)	910 ms. (07)

(Page 2)

LK 1	LK 2	LK 3	LK 4
1040 ms. (08)	1170 ms. (09)	1300 ms. (10)	1430 ms. (11)
LK 5	LK 6	LK 7	LK 8
1560 ms. (12)	1690 ms. (13)	1820 ms. (14)	1950 ms. (15)

In Delay Method (Page 1)

LK 1	LK 2	LK 3	LK 4
0 ms. (00)	30 ms. (01)	60 ms. (02)	90 ms. (03)
LK 5	LK 6	LK 7	LK 8
120 ms. (04)	150 ms. (05)	180 ms. (06)	210 ms. (07)

(Page 2)

LK 1	LK 2	LK 3	LK 4
240 ms. (08)	270 ms. (09)	300 ms. (10)	330 ms. (11)
LK 5	LK 6	LK 7	LK 8
360 ms. (12)	390 ms. (13)	420 ms. (14)	450 ms. (15)

The shaded area indicates the default setting.

In COI (Page 1)

LK 1	LK 2	LK 3	LK 4
50 ms. (00)	100 ms. (01)	150 ms (02)	200 ms. (03)
LK 5	LK 6	LK 7	LK 8
250 ms. (04)	300 ms. (05)	350 ms. (06)	400 ms. (07)

(Page 2)

LK 1	LK 2	LK 3	LK 4
450 ms. (08)	500 ms. (09)	550 ms. (10)	600 ms. (11)
LK 5	LK 6	LK 7	LK 8
650 ms. (12)	700 ms. (13)	750 ms. (14)	800 ms. (15)

Programming Procedures

1	Go off-line.
2	Press LK3 + `Transfer` + ① ⑨ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.

<div style="margin-left:2em;">

Receiving Side   Incoming Signal Detection ──────────────────────── DC Loop Supervision

Time

Sending Acknowledgment Signal

Note: Use the following to enter data:

`Recall` to go to the next page

`Feature` to go to the previous page

`Conf` to go to the next CO/PBX Line No.

</div>

4	Press `Transfer` to write the data.
5	Press `Speaker` to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-14	Tie/DID Line Type Assignment

1. For the second dial tone method and the immediate method, the time is fixed at 30 ms.

Tie Line Loop Off-Guard Time Selection

System Mode
3
Submode
—
Data No.
20
PC Programming
Alt +**ALM**

General Description

Use this Memory Block to assign loop off-guard protection to prevent noise that may cause the system to be unable to answer an incoming Tie line.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data	Page No.

```
0 1 / 2 0 : L O O P   2 . 0 | 1
      T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
0 sec.	0.5 sec.	1.0 sec.	1.5 sec.
LK 5	LK 6	LK 7	LK 8
2.0 sec.	3.0 sec.	4.0 sec.	5.0 sec.

(Page 2)   The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
6.0 sec.	7.0 sec.	8.0 sec.	9.0 sec.
LK 5	LK 6	LK 7	LK 8
10.0 sec.	11.0 sec.	12.0 sec.	13.0 sec.

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + (2 ABC) (0 OPER) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: The following are used when entering data:
	(Recall) to go to the next page
	(Feature) to go to the previous page
	(Conf) to go to the next CO/PBX Line No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. Assign a loop off-guard time to eliminate the possibility of system malfunction caused by noise when going off-hook to answer a call from another system on a Tie line call.
2. The system ignores any noise that may be detected during the time specified in this Memory Block.

Tie Line Length of Wink Signal Selection

System Mode
3
Submode
—
Data No.
21
PC Programming
[Alt] **+ALM**

General Description

Use this Memory Block to specify the duration of a wink pulse that is sent to another system.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data | Page No. |

```
0 1 / 2 1 : W I N K 1 8 0   | 1
        T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
30 ms.	60 ms.	90 ms.	120 ms.
LK 5	LK 6	LK 7	LK 8
150 ms.	180 ms.	210 ms.	240 ms.

(Page 2)

The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
270 ms.	300 ms.	330 ms.	360 ms.
LK 5	LK 6	LK 7	LK 8
390 ms.	420 ms.	450 ms.	480 ms.

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + (2 ABC) (1) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.

Receiving Side

Incoming Signal Detection ─────── DC Loop Supervision

Time

Wink Pulse Sending

Note: Use the following to enter data:
(Recall) to go to the next page
(Feature) to go to the previous page
(Conf) to go to the next CO/PBX Line No.

4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. Specify the Wink Start method in Memory Block 3-24 Tie Line Incoming Interdigit Timeout Selection.

Tie Line Length of Delay Signal Selection

General Description

Use this Memory Block to specify the time a delay pulse is sent to another system.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data	Page No.

```
0 1 / 2 2 : D E L Y    3 0 0 | 1
        T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
0 ms.	300 ms.	600 ms.	900 ms.
LK 5	LK 6	LK 7	LK 8
1200 ms.	1500 ms.	1800 ms.	2100 ms.

(Page 2)

The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
2400 ms.	2700 ms.	3000 ms.	3300 ms.
LK 5	LK 6	LK 7	LK 8
3600 ms.	3900 ms.	4200 ms.	4500 ms.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + ② ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.

Receiving Side   Receiving Signal Detection   DC Loop Supervision

Time

Delay Pulse Sending

Note: Use the following to enter data:
Recall to go to the next page
Feature to go to the previous page
Conf to go to the next CO/PBX Line No.

4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. Specify the Delay Method in Memory Block 3-14 Tie/DID Line Type Assignment.

Tie Line Incoming Interdigit Timeout Selection

General Description

Use this Memory Block to specify a time interval during the incoming call detection process so that if an address signal is not received within a specified time, an error tone is returned to the other system.

Display

| CO/PBX No. (01~64) | Data No. | Title | Setting Data | Page No. |

```
0 1 / 2 4 :  I N C O M    6 s | 1
        T I M E   D I S P L A Y
```

(Page 1)

LK 1	LK 2	LK 3	LK 4
No Limit	1 sec.	2 sec.	3 sec.
LK 5	LK 6	LK 7	LK 8
4 sec.	5 sec.	6 sec.	7 sec.

(Page 2)   The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
8 sec.	9 sec.	10 sec.	11 sec.
LK 5	LK 6	LK 7	LK 8
12 sec.	13 sec.	14 sec.	15 sec.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + ②ABC ④GHI to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following enter data:
	Recall to go to the next page
	Feature to go to the previous page
	Conf to go to the next CO/PBX Line No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. A timeout occurs when:

   ✆ A dial pulse is not received within the time specified by this Memory Block after the receiving side detects the off-hook signal.

   ✆ The next dial pulse is not received within the time specified by this Memory Block after the receiving side detects (receives) a dial pulse.

2. This Memory Block affects T1 channels assigned to Tie/DID lines.

Tie Line Wink/Delay Signal Detect Timeout Selection

General Description

Use this Memory Block to specify a maximum time for receiving an acknowledgment signal from a distant system before sending a busy tone.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data	Page No.

```
0 1 / 2 5 : D T E C T   7 s | 1
          T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
No Limit	1 sec.	2 sec.	3 sec.
LK 5	LK 6	LK 7	LK 8
4 sec.	5 sec.	6 sec.	7 sec.

(Page 2)   The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
8 sec.	9 sec.	10 sec.	11 sec.
LK 5	LK 6	LK 7	LK 8
12 sec.	13 sec.	14 sec.	15 sec.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + ② ⑤ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.

Originating Side | Sending an Outgoing Signal

Time

Receiving Acknowledgment Signal

Timeout when the acknowledgment signal is not received.

Note: Use the following to enter data:
Recall to go to the next page
Feature to go to the previous page
Conf to go to the next CO/PBX Line No.

4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming   1 - 285

No related programming is necessary for this Memory Block.

1. If the acknowledgment signal is not received within a predetermined time after an outgoing signal is sent to the other system, a busy tone is sent to the telephone.
2. This Memory Block affects T1 channels assigned to Tie/DID lines.

Tie Line Dial Tone Selection

System Mode
3
Submode
—
Data No.
27
PC Programming
Alt **+ALT**

General Description

Use this Memory Block to specify whether or not to send a dial tone to the distant system.

Display

```
CO/PBX
No.          Data                                    Setting
(01~64)      No.          Title                      Data

  0 1 / 2 7 : S D T               Y S

         T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + ② ⑦ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. **Note:** Use the following to enter data: (Recall) to go to the next page (Feature) to go to the previous page (Conf) to go to the next CO/PBX Line No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-14	Tie/DID Line Type Assignment

A6-324000-642-02 - Release 6.0
May 2003

Tie Line Reorder Tone Selection

General Description

Use this Memory Block to specify whether or not to send a reorder tone to the originating station when the number of a distant system is used to originate a call over a Tie line.

Display

CO/PBX No. (01~64)	Data No.	Title		Setting Data

```
0 1 / 2 8 : R O T            Y S
```

```
    T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Not Sending	Sending		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + [Transfer] + (2 ABC) (8 TUV) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. **Note:** Use the following to enter data: [Conf] to go to the next CO/PBX Line No. Originating Side Xen System Distant System 8 - 12 12 1111 Reorder Tone Sending
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-14	Tie/DID Line Type Assignment

This Memory Block affects T1 channels assigned as Tie lines.

Trunk Internal Transmit Pad Selection

General Description

This Memory Block specifies a volume level for calls originated from the extensions of a local system to a distant system.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data	Page No.

```
0 1 / 2 9 : P A D    I T    8 | 1
        T I M E    D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
2 dB	4 dB	6 dB	8 dB
LK 5	LK 6	LK 7	LK 8
12 dB	16 dB	3 dB	-3 dB

(Page 2)   The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
0 dB			
LK 5	LK 6	LK 7	LK 8

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + ②ABC ⑨WXYZ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	Recall to go to the next page
	Feature to go to the previous page
	Conf to go to the next CO/PBX Line No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. The Xen system divides the connections into the following patterns:

    (Specify the sending and receiving levels of each pattern for each of the trunks.)

    Pattern A (Intercom Mode)   Connections established between the intercom stations of the local
                                                 system and trunks.

    — Sending level

    — Receiving level   (To be specified in this Memory Block.)

    Pattern B (Tandem Mode)   Connections established between two systems, with the local system
                                                 as a tandem system.

    — Sending level

    — Receiving level

2. The Memory Block applies to Tie lines, T1, DID, and Basic Rate Interface (BRI) trunks.

Trunk Internal Receive Pad Selection

System Mode	
3	
Submode	
—	
Data No.	
30	
PC Programming	
[Alt]**+BCT**	

General Description

Use this Memory Block to specify a volume level for calls coming to extensions of a local system from a distant system.

Display

```
CO/PBX          Data                        Setting   Page
No.             No.              Title        Data     No.
(01~64)
  0 1 / 3 0 : P A D    I R    8 | 1
           T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
2 dB	4 dB	6 dB	8 dB
LK 5	LK 6	LK 7	LK 8
12 dB	16 dB	3 dB	-3 dB

(Page 2)

The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
0 dB			
LK 5	LK 6	LK 7	LK 8

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + ③ ⓪ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	(Recall) to go to the next page
	(Feature) to go to the previous page
	(Conf) to go to the next CO/PBX Line No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. The Xen system divides the connections into the following patterns:

   (Specify the sending and receiving levels of each pattern for each of the trunks.)

   Pattern A (Intercom Mode)   Connections established between the intercom stations of the local
                                                system and trunks.

   ├── Sending level

   └── Receiving level   (To be specified in this Memory Block.)

   Pattern B (Tandem Mode)   Connections established between two systems, with the local system
                                                as a tandem system.

   ├── Sending level

   └── Receiving level

2. The Memory Block applies to Tie lines, T1, DID, and Basic Rate Interface (BRI) trunks.

Trunk External Transmit Pad Selection

General Description

Use this Memory Block to specify a volume level for tandem calls through a local system to two distant systems.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data	Page No.

```
0 1 / 3 1 : P A D   E T   0 | 1
      T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
2 dB	4 dB	6 dB	8 dB
LK 5	LK 6	LK 7	LK 8
12 dB	16 dB	3 dB	-3 dB

(Page 2)   The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
0 dB			
LK 5	LK 6	LK 7	LK 8

Programming Procedures

1	Go off-line.
2	Press LK3 + [Transfer] + (3 DEF) (1) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	[Recall] to go to the next page
	[Feature] to go to the previous page
	[Conf] to go to the next CO/PBX Line No.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. The Xen system divides the connections into the following patterns:

   (Specify the sending and receiving levels of each pattern for each of the trunks.)

   Pattern A (Intercom Mode)   Connections established between the intercom stations of the local system and trunks.

   — Sending level

   — Receiving level

   Pattern B (Tandem Mode)   Connections established between two systems, with the local system as a tandem system.

   — Sending level   (To be specified in this Memory Block.)

   — Receiving level

2. The Memory Block applies to Tie lines, T1, DID, and ISDN trunks.

Trunk External Receive Pad Selection

General Description

Use this Memory Block to specify a volume level for tandem calls through a local system to two distant systems.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data	Page No.

```
0 1 / 3 2 : P A D   E R   0 | 1
    T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
2 dB	4 dB	6 dB	8 dB
LK 5	LK 6	LK 7	LK 8
12 dB	16 dB	3 dB	-3 dB

(Page 2)   The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
0 dB			
LK 5	LK 6	LK 7	LK 8

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + ③ ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	Recall to go to the next page
	Feature to go to the previous page
	Conf to go to the next CO/PBX Line No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. The Xen system divides the connections into the following patterns:

    (Specify the sending and receiving levels of each pattern for each of the trunks.)

    Pattern A (Intercom Mode)   Connections established between the intercom stations of the local
                                           system and trunks.

    — Sending level

    — Receiving level

    Pattern B (Tandem Mode)   Connections established between two systems, with the local system
                                           as a tandem system.

    — Sending level

    — Receiving level   (To be specified in this Memory Block.)

2. The Memory Block applies to Tie lines, T1, DID, and ISDN trunks.

Disconnect Recognition Time Selection

System Mode
3
Submode
—
Data No.
33
PC Programming
Alt +BCT

General Description

Use this Memory Block to specify the minimum time for a disconnected circuit to be accessed again.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data	Page No.

```
0 1 / 3 3 : D I S T   0 . 3 | 1
      T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
0 sec.	.1 sec.	.2 sec.	.3 sec.
LK 5	LK 6	LK 7	LK 8
.4 sec.	.5 sec.	.6 sec.	.7 sec.

(Page 2)

The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
.8 sec.	.9 sec.	1.0 sec.	1.1 sec.
LK 5	LK 6	LK 7	LK 8
1.2 sec.	1.3 sec.	1.4 sec.	1.5 sec.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + ③ ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	Recall to go to the next page
	Feature to go to the previous page
	Conf to go to the next CO/PBX Line No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

When a call origination on a CO/PBX line or Tie line is interrupted or dropped while in progress, and an attempt is made to reseize the line, the seized line must be disconnected and cleared before it can be accessed again.

Automated Attendant Message to Trunk Selection

System Mode
3
Submode
—
Data No.
38
PC Programming
[Alt]**+AU**

General Description

Use this Memory Block to assign the Automated Attendant Message per-CO/PBX Trunk. When the Automated Attendant Message is assigned to each CO/PBX Trunk, the system automatically answers the incoming call and sends an Automated Attendant Message to the calling party.

Display

```
CO/PBX          Data                                Setting
 No.            No.              Title                Data
(01~64)

  0 1 / 3 8 : A A   M S G       = 1

            T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + ③DEF ⑧TUV to access the Memory Block.
3	Enter data using the dial pad. **Setting Data:** 1~8 Automated Attendant Message 1~8 **Note:** Use the following to enter data: (Conf) : Next CO/PBX Line No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Default Values
Message 1

Related Programming

No related programming is necessary for this Memory Block.

The attendant telephone position must dial an Access Code to activate this feature.

Automatic Release Selection

General Description

This Memory Block specifies whether or not the system is to release a trunk used to make an outgoing call when the called party hangs. Selecting Yes will result in the system disconnecting the trunk upon the outside party hanging up. Selecting No will result in the trunk being held upon the outside party hanging up, the trunk only being released when the KTS extension hangs up.

Display

	CO/PBX No. (01~64)	Data No.	Title	Setting Data

```
0 1 / 3 9 : A U T O R L S   = Y S
        T I M E   D I S P L A Y
```

Settings

LK1	LK2	LK3	LK4
No	Yes		
LK5	LK5	LK7	LK8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + ③ ⑨ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

The attendant telephone position must dial an Access Code to activate this feature.

ACD/UCD Delay Announcement Assignment

General Description

Use this Memory Block to specify, per CO Port, whether or not ACD/UCD Delay Announcement is sent to the calling party for Day and/or Night Mode.

Display

```
CO/PBX
No.
(01~64)      Data                              Setting
             No.             Title             Data

0 1 / 4 1 : M S G    D / N = N N

           T I M E    D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
NN	YN	NY	YY
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + (4 GHI) (1) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.

Note: Use the following to enter data:

(Conf) to go to the next CO/PPBX Line No.

Setting Data:

Line Key	LCD Indication	ACD/UCD Delay Announcement
1	NN	No
2	YN	Day Only
3	NY	Night Only
4	YY	Day and Night

4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

DIT Assignment

General Description

Use this Memory Block to independently assign a Day Mode direct trunk termination to a station.

Display

(Incoming) CO/PBX No. (01~64)	Data No.	Title	Setting Data Station No. (2-digit: 00~99) (3-digit: 000~999) (4-digit: 0000~9999)

```
0 1 / 4 2 : D I T    D =
      T I M E   D I S P L A Y
```

System Mode
3
Submode
—
Data No.
42
PC Programming
Alt +BCT

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + ④ ② to access the Memory Block.

3	Enter data using the dial pad. **Default Values** No Assignment
	Note: Use the following to enter data:
	     ⓪ ~ ⑨ to enter the numeric data
	     (Conf) to go to the next CO/PBX Line No.
	Enter the following:
	     Station No. (2-, 3-, or 4-digits 00~9999)
	     CO Port No. (01~64)

4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-43	ANA Assignment

No related programming is necessary for this Memory Block. A trunk can terminate at only one station, but any number of trunks can terminate at the same station.

ANA Assignment

System Mode
3
Submode
—
Data No.
43
PC Programming
Alt **+BCT**

General Description

Use this Memory Block to assign a Night Mode Direct trunk termination to a station.

Display

CO/PBX No. (01~64)   Data No.   Title   Setting Data Station No. (2-digit: 00~99) (3-digit: 000~999) (4-digit: 0000~9999)

```
0 1 / 4 3 : D I T    N =
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK3 + (Transfer) + (4 GHI) (3 DEF) to access the Memory Block.	
3	Enter data using the dial pad.	**Default Values**
	Note: Use the following to enter data:	No Assignment
	(0 OPER) ~ (9 WXYZ) to enter numeric data	
	(Conf) to go to the next CO/PBX Line No.	
	Enter the following:	
	Station No. (2-, 3-, or 4-digits 00~9999)	
	CO Port No. (01~64)	
4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
3-42	DIT Assignment

A trunk can terminate at only one station, but any number of trunks can terminate at the same station.

Caller ID Display Assignment for CO/PBX Line

General Description

Use this Memory Block to assign one Multiline Terminal, per CO/PBX, line to display Caller ID Indication on incoming CO/PBX calls.

New Zealand - Analogue CO/PBX Line Scroll Feature is unavailable.

Display

CO/PBX No. (01~64)	Data No.	Title	Tel Port No. 01~C0

```
0 1 / 4 4 : C A L L I D      0 0
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK3 + (Transfer) + (4 GHI) (4 GHI) to access the Memory Block.	
3	Enter data using the dial pad.	**Default Values**
	Note: The following are used when entering data:	Not Specified
	(*) to move the cursor left	
	(#) to move the cursor right	
	(0 OPER) ~ (9 WXYZ) to enter numeric data	
4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

To display Caller ID Indication for normal incoming CO calls and CAR incoming calls, both Caller ID Indication and Ring assignment must be assigned for the terminal in System Programming. A maximum of 15 Multiline Terminals can be assigned system-wide to display caller identification for normal incoming CO calls and CAR incoming calls using Memory Block 1-1-78 Caller ID Display Assignment for System Mode. A third Multiline Terminal can be assigned to display caller identification for normal incoming CO calls, per CO line, using this Memory Block.

Live Recording Trunk Selection

General Description

Use this Memory Block to specify, per Trunk, Live Recording Service Mode or No Live Recording Service Mode for Digital Voice Mail.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data

```
0 1 / 4 5 : L I V E R E C    N O

       T I M E    D I S P L A Y
```

System Mode
3
Submode
—
Data No.
45
PC Programming
[Alt] **+AV**

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.	
2	Press LK3 + (Transfer) + (4 GHI) (5 JKL) to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	**Default Values**
	Note: Use the following to enter data:	No
	(*) to move the cursor left	
	(#) to move the cursor right	
	(0 OPER) ~ (9 WXYZ) to enter numeric data	
	(Conf) to go to the next CO/PBX Line No.	
4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-8-08	Class of Service (Station) Feature Selection 2

YES must be assigned for the Digital Voice Mail Live Recording feature for each trunk.

ISDN Trunk Directory Number Assignment

General Description

Use this Memory Block to assign the Integrated Services Digital Network (ISDN) Directory Number.

Display

CO/PBX No. (01~64)	Data No.	Setting Data (20 digits maximum)

```
0 1 / 5 2 :

        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + ⑤ ② to access the Memory Block.
3	Enter Data using the Dial Pad:
	Note: Use the following to enter data:
	＊ to move the cursor left
	＃ to move the cursor right
	⓪ ~ ⑨ to enter numeric data
	(Conf) to go to the next CO/PBX Line No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. If CFE feature is to be used, the GDN number must be set for BRI.
2. If DID is used in conjunction with PRI, do not assign any number to CO.
3. Enter the Area Code as part of directory number, e.g. Melbourne = 3xxxx xxxx

Caller Name Indication Selection

General Description

When a Caller ID number is detected, the Xen Axis/Master system can check the speed dialling buffer for a match. If a name is assigned to a matched number, the name can be displayed, depending on this assignment. This Memory Block must be set to **TRK** to enable the incoming trunk name display to function.

Display

```
CO/PBX
  No.          Data              Setting Data
(01~64)        No.           (20 digits maximum)

0  8  /  5  3  :  I  S      I  N  D      N  U  M

         T  I  M  E      D  I  S  P  L  A  Y
```
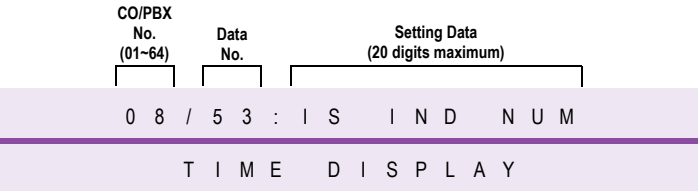
Settings

LK 1	LK 2	LK 3	LK 4
No	Num	Nam	
LK 5	**LK 6**	**LK 7**	**LK 8**
TRK			

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + (5 JKL) (3 DEF) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	(∗) to move the cursor left
	(#) to move the cursor right
	(0 OPER) ~ (9 WXYZ) to enter numeric data
	(Conf) to go to the next CO/PBX Line No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming.

1. LK3 is used only for System Speed Dial Name Match.

2. LK3 option will check all System Speed Dial Buffer Names assigned to Speed Dial Buffer Numbers 00~79 however, if System is set to 1000 Speed Dial Mode, LK3 will only check 000~099 (the first 100 Buffer Numbers and Names) and the remainder (100~999) will not be checked.

Memory Block	Settings							
3-53	Number	Number	Number	Number	Name	Name	Name	Name
1-8-08 Page 4, LK3	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**
1-8-08 Page 4, LK4	ON	ON	OFF	OFF	ON	ON	OFF	OFF
1-8-08 Page 5, LK7	ON	OFF	ON	OFF	OFF	ON	ON	OFF
MLT LCD Line 1	CID Number	CID Number	CID Number	CID Number	CID Number	CID Number	CID Name	CID Name
MLT LCD Line 2	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	CID Name	CID Number	Date/Time

✆ Calls received from a Mobile Phone on a COI trunk will always display "MOBILE" in place of CID Name.

✆ Calls received from a Pay Phone on a COI trunk will always display "PAYPHONE" in place of the CID Name.

This table assumes Phase 2 main software or later. Phase 1 does not provide the Line 2 display.

Automated Attendant Function Selection

System Mode
3
Submode
—
Data No.
59
PC Programming
Alt +AU

General Description

Use this Memory Block to specify if the Automated Attendant is to operate in the Normal Mode, or the Automated Attendant Delay Announcement mode.

Display

```
CO/PBX
No.        Data
(01~64)    No.      Title              Setting Data

 0 1 / 5 9 : A . A .        N O R M A L
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
A.A. Normal (A.A./DISA)	A.A. Delay Announcement		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + ⑤ ⑨ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Example: To change A.A. Normal (A.A./DISA) to A.A. Delay Announcement, press CO/PBX line key 2.
	Conf to go to the next CO/PBX Line No.
4	Press Transfer to write the selected data and advance to Next CO Number's Memory Block 3-00 Trunk Name/Number Assignment.
5	Press Speaker to go back on-line.

Related Programming

General Information	ISDN Caller Name Indication Selection
1-4-18	Automated Attendant Delay Announcement Assignment
1-4-19	Automated Attendant 1st to 2nd Delay Announcement Interval Time Selection
1-4-20	Automated Attendant Delay Announcement Disconnect Time Selection

DIT Delay Answer Timer Selection

General Description

This Memory Block is used to specify the time an incoming CO/PBX Call will ring before changing to DIT.

Display

CO/PBX No. (01~64)	Data No.	Title	CO/PBX No. (01~64)

```
1 1 / 6 1 : D Y L A N S      O S
         T I M E    D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
0s	5s	10s	20s
LK 5	LK 6	LK 7	LK 8
30s	40s	50s	60s

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + ① ⑤ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	(Conf) = Next CO/PBX Line No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-62	DIT Tenant Assignment
3-63	DIT Holiday Mode Enable
3-64	DIT Night Mode Delay Answer Enable

DIT Tenant Assignment

System Mode
3
Submode
—
Data No.
62
PC Programming
Alt +BCT

General Description

This Memory Block is used to assign a CO/PBX Line to each tenant for incoming DIT calls.

Display

CO/PBX No. (01~64)	Data No.	Title	Tenant No. (00~47)

```
0 1 / 6 2 : D I T = T N T    0 0

       T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + (4 GHI) (4 GHI) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	(*) to move the cursor left
	(#) to move the cursor right
	(0 OPER) ~ (9 WXYZ) to enter numeric data
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Default Values

All CO/PBX Lines are set to tenant 00.

Related Programming

M.B. Number	Memory Block Name
4-09	Telephone to Tenant Assignment

DIT Holiday Mode Enable

General Description

This Memory Block is used to enable Holiday Mode checking on tenant groups for incoming DIT calls.

Display

CO/PBX No. (01~64)	**Data No.**	**Title**	**Setting Data**	

```
1 1 / 6 3 : H O L D I T        Y S

        T I M E   D I S P L A Y
```
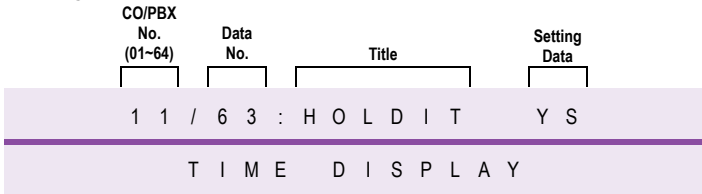
System Mode
3
Submode
—
Data No.
63
PC Programming
Alt +BCT

Settings

LK 1	LK 2	LK 3	LK 4
Yes	No	10s	20s
LK 5	LK 6	LK 7	LK 8
30s	40s	50s	60s

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + ⑥ ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	✳ to move the cursor left
	# to move the cursor right
	⓪ ~ ⑨ to enter numeric data
	Conf to go to the next CO/PBX Line No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-09	Telephone to Tenant Assignment

1. During Holiday Mode and Night Mode Ring Assignments apply, regardless of time or day or night.
2. Holiday Mode can be set on a System Wide or Tenant Specific basis.
3. DIT Holiday Mode only effects CO/PBX calls to extensions set with DIT facility.

DIT Night Mode Delay Answer Enable

General Description

This Memory Block is used to specify whether or not the DIT Delay Answer Timer shall apply to CO/PBX calls received when the system is in Night Mode.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data

```
1 1 / 6 4 :    N T M O D    N 0
         T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + 4(GHI) 4(GHI) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	✳ to move the cursor left
	# to move the cursor right
	Conf to go to the next CO/PBX Line No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-61	DIT Delay Answer Timer Selection

1. The DIT Delay Answer Time specified in MB 3-61 shall apply for this purpose.
2. If set to YES, incoming CO/PBX calls during Night Mode will ring for the duration specified in MB 3-61 before changing to DIT status.
3. If set to NO, incoming CO/PBX calls during Night Mode will immediately change to DIT status regardless of the setting in MB 3-45.
4. This setting only applies to those CO/PBX lines assigned with the DIT facility in MB 3-42 and MB 3-43.

Hold Tone Automated Attendant Selection

General Description

Use this Memory Block to specify which message is to be played for a particular trunk.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data	Page No.

```
0 1 / 6 5 : I N C   M S G   N O N E 1
        T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
NONE	MSG1	MSG2	MSG3
LK 5	LK 6	LK 7	LK 8
MSG4	MSG5	MSG6	MSG7

(Page 2)

LK 1	LK 2	LK 3	LK 4
MSG8			
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + Transfer + 6 5 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: The following to enter data:
	Recall to go to the next page
	Feature to go to the previous page
	Conf to go to the next CO/PBX Line No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-59	Automated Attendant Function Selection

1. This memory block is applicable on main software Release 4.0 and above.

CO Line Ringing Pattern Selection for CO/PBX Line Mode

General Description

Use this Memory Block to specify the ring pattern for incoming calls or CO lines.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data	Page No.

```
0 1 / 6 7 : C O   R N G   – | 1
        T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
—	A	B	C
LK 5	LK 6	LK 7	LK 8
D	E	F	G

(Page 2)   The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
H			
LK 5	LK 6	LK 7	LK 8

Programming Procedures

1	Go off-line.	
2	Press LK3 + Transfer + ⑥MNO ⑦PQRS to access the Memory Block.	
3	Press the corresponding CO/PBX line key to change the data option.	**Default Values**
	Note: The following to enter data:	— = NON
	Recall to go to the next page	
	Feature to go to the previous page	
	Conf to go to the next CO/PBX Line No.	
4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
4-53	CO Ringing Pattern Selection for Telephone Mode
4-56	CO Line Ringing Pattern by Telephone or CO Selection

Ring Patterns are shown in the table below:

s= seconds

Pattern	0s	1s	2s	3s	4s	5s	6s
A							
B							
C							
D							
E							
F							
G							
H							
NIL	No Ring						
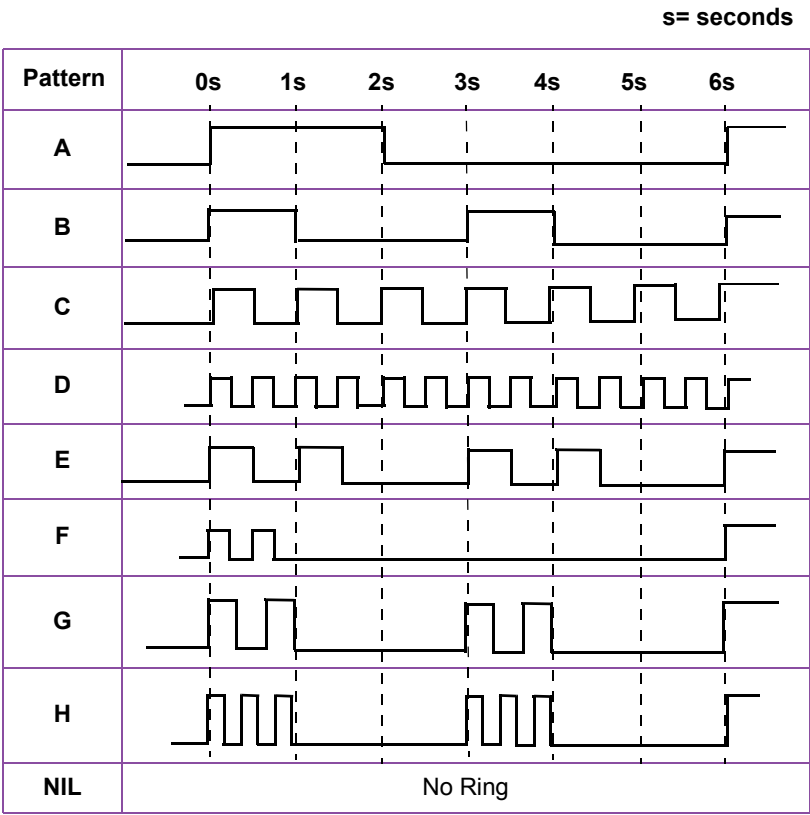
1. This Memory Block is controlled by MB 4-57. Calls can be CO ringing or telephone ringing.
2. This Memory Block is applicable for main software Release 4.0 and above.

1-Line Number to be Displayed (3-53 = Number)

	MB 3-71 = CO	MB 3-71 = SPD
Name Supplied – SPD Match	CO Number	CO Number
	Clock	Clock
Name Supplied – No SPD Match	CO Number	CO Number
	Clock	Clock
No Name Supplied – SPD Match	CO Number	CO Number
	Clock	Clock
No Name Supplied – No SPD Match	CO Number	CO Number
	Clock	Clock

1-Line Number to be Displayed (3-53=Name, 1-8-08 P4/LK4=OFF, 1-8-08 P5/LK7=OFF)

	MB 3-71 = CO	MB 3-71 = SPD
Name Supplied – SPD Match	SPD Name	SPD Name
	Clock	Clock
Name Supplied – No SPD Match	SPD Name	SPD Name
	Clock	Clock
No Name Supplied – SPD Match	SPD Name	SPD Name
	Clock	Clock
No Name Supplied – No SPD Match	SPD Name	SPD Name
	Clock	Clock

2-Line Number and Name to be Displayed (3-53=Name, 1-8-08 p4/lk4=ON, 1-8-08 P5/LK7=ON)
(1st & 2nd lines are reversed if 1-8-08 P4/LK4-OFF)

	MB 3-71 = CO	MB 3-71 = SPD
Name Supplied – SPD Match	CO Number	CO Number
	CO Name	SPD Name
Name Supplied – No SPD Match	CO Number	CO Number
	CO Name	CO Name
No Name Supplied – SPD Match	CO Number	CO Number
	Clock	SPD Name
No Name Supplied – No SPD Match	CO Number	CO Number
	Clock	Clock

Caller Name Display Assignment

General Description

Use this Memory Block to specify whether the network provided name or the speed dial match name is to be displayed.

Display

```
CO/PBX
No.       Data                          Setting  Page
(01~64)   No.        Title              Data     No.

0 1 / 7 1 : N A M E          S P D

    T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
CO	SPD		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + (7) (1) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: The following to enter data:
	(*) to go to the next page
	(#) to go to the previous page
	(0) ~ (9) to enter numeric data
	(Conf) to go to the next CO/PBX Line No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-78	Caller ID Display Assignment for System Mode
1-8-08	Class of Service (Station) Feature Selection 2
3-44	Caller ID Display Assignment for CO/PBX Line
3-53	Caller Name Indication Selection
4-50	Caller ID Display for CAR Key

1. The following tables show the resultant displays when MB 3-71 and associated memory blocks are programmed in various ways.

ISDN BRT Connection Configuration

General Description

Use this Memory Block to specify the type of Basic Rate ISDN Connection configuration required.

Display

CO/PBX No. (01~64)	Data No.	Title	Setting Data

```
0 1 / 7 2 :    C O N N    P - M P

       T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
P-MP	P-P		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + ⟨Transfer⟩ + ⑦ ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	✳ to move the cursor left
	# to move the cursor right
	⟨Conf⟩ to go to the next CO/PBX Line No.
4	Press ⟨Transfer⟩ to write the data.
5	Press ⟨Speaker⟩ to go back on-line.

Related Programming

M.B. Number	Memory Block Name
7-1	Card Interface Slot Assignment

1. P-MP = Point to Multipoint
   P-P = Point to Point

Polarity Reverse Selection

General Description

In some cases a Central Office may provide a line reversed to provide a disconnect signal.

Display

CO/PBX No. (01~64)   **Data No.**   **Setting Data (20 digits maximum)**

```
1 1 / 9 0 : R V R S    ( Y S )
        T I M E   D I S P L A Y
```
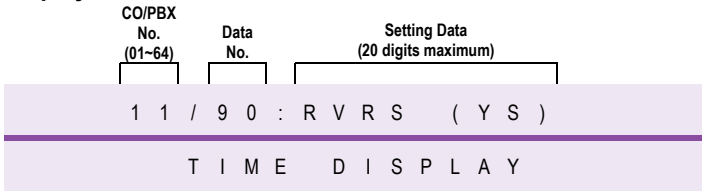
System Mode
3
Submode
—
Data No.
90
PC Programming
[Alt] **+BCT**

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + (9 wxyz) (0 oper) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	(*) to move the cursor left
	(#) to move the cursor right
	(Conf) to go to the next CO/PBX Line No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. BRI and PRI lines are to be set to YES at all times.

Trunk Type Selection

General Description

This Memory Block specifies each external line as CO line, PBX/CTX line, Tie/DID line, or CTX Assume - 9.

Display

CO/PBX No. (01~64)   Data No.   Title

```
0 1 / 9 1 : C O

      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
CO	PBX/CTX	Tie	DID
LK 5	LK 6	LK 7	LK 8
CTX Assume - 9			

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + (9 WXYZ) (1) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	(*) to move the cursor left
	(#) to move the cursor right
	(Conf) to go to the next CO/PBX Line No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. This Memory Block affects T1 channels assigned as Tie/DID lines.
2. Integrated Services Digital Network (ISDN) lines can be assigned as PBX/CTX or CTX Assume-9. A CTX Transfer will not work on ISDN lines.
3. This Memory Block specifies if ISDN lines are to be DID or normal CO ring.

Trunk (Installed, DP/DTMF) Selection

System Mode
3
Submode
—
Data No.
92
PC Programming
[Alt]**+BCT**

General Description

This Memory Block specifies each external line as DP (10 pps or 20 pps) or DTMF line or not connected (NIL).

New Zealand - DP is not supported.

Display

CO/PBX No. (01~64)	Data No.	Setting Data

```
0 1 / 9 2 : M F
       T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
NIL	DP 10 pps	DP 20 pps	MF
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK3 + (Transfer) + (9 wxyz) (2 ABC) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option.
	Note: Use the following to enter data:
	(*) to move the cursor left
	(#) to move the cursor right
	(Conf) to go to the next CO/PBX Line No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-14	Tie/DID Line Type Assignment
4-12	Line Key Selection for Telephone Mode

1. When Port 01 displays CO XX layer message, use NIL setting for unused BRI interfacing to clear display.

CO/PBX Ring Assignment (Day Mode)

System Mode
4
Submode
—
Data No.
01
PC Programming
Alt +BTT

General Description

Use this Memory Block to assign incoming CO/PBX calls to ring on Multiline Terminals in the Day Mode.

Display

```
Tel Port
No.
(01~99)      Data                                   Page
A0~C0        No.            Title                  (01~08)
```

0	1	/	0	1	:	R	N	G		D	Y		0	1	

	T	I	M	E		D	I	S	P	L	A	Y	

Settings

Page 1 (Ports 01~08)

LK 1	LK 2	LK 3	LK 4
01	02	03	04
LK 5	LK 6	LK 7	LK 8
05	06	07	08

Page 2 (Ports 09~16)

LK 1	LK 2	LK 3	LK 4
09	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

Page 3 (Ports17~24)

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

Page 4 (Ports 25~32)

LK 1	LK 2	LK 3	LK 4
25	26	27	28
LK 5	LK 6	LK 7	LK 8
29	30	31	32

The shaded area indicates the default setting.

Page 5 (Ports 33~40)

LK 1	LK 2	LK 3	LK 4
33	34	35	36
LK 5	LK 6	LK 7	LK 8
37	38	39	40

Page 6 (Ports 41~48)

LK 1	LK 2	LK 3	LK 4
41	42	43	44
LK 5	LK 6	LK 7	LK 8
45	46	47	48

Settings

Page 7 (Ports 49~56)

LK 1	LK 2	LK 3	LK 4
49	50	51	52
LK 5	LK 6	LK 7	LK 8
53	54	55	56

Page 8 (Ports57~64)

LK 1	LK 2	LK 3	LK 4
57	58	59	60
LK 5	LK 6	LK 7	LK 8
61	62	63	64

Programming Procedures

1	Go off-line.	
2	Press LK4 + (0 OPER) (1) to access the Memory Block.	
3	Press the CO/PBX Line key corresponding to each CO/PBX number. The LED indication changes to indicate data each time a CO/PBX line key is pressed. **Default Values** (right column) Tel Port numbers 01 and 02 ring on CO/PBX lines 01 ~ 08. Tel Port numbers 03 ~ 120 do not ring on any incoming CO/PBX calls. <table><tr><td>**CO/PBX Line Key LED**</td><td>**Off**</td><td>**Green**</td><td>**Red**</td></tr><tr><td>**Data**</td><td>**No ring**</td><td>**Immediate Ring**</td><td>**Delayed Ring**</td></tr></table> **Note:** Use the following to enter data: (∗) to move the cursor left (#) to move the cursor right [Conf] to move to the next Tel No. [Recall] to move to the next page [Feature] to move to the previous page	
4	After entering all data for all pages, press [Transfer] to write the data.	
5	Press [Speaker] to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

Telephone ports A0~C0 are ports 100~120.

CO/PBX Ring Assignment (Night Mode)

General Description

Use this Memory Block to assign incoming CO/PBX calls to ring in the Night Mode.

Display

Tel Port No. (01~99) A0~C0   Data No.   Title   Page

0 1 / 0 1 : R N G N T	0 1

T I M E   D I S P L A Y

System Mode
4
Submode
—
Data No.
02
PC Programming
Alt **+BTT**

Settings

Page 1 (Ports 01~08)

LK 1	LK 2	LK 3	LK 4
01	03	03	04
LK 5	LK 6	LK 7	LK 8
05	06	07	08

Page 2 (Ports 09~16)

LK 1	LK 2	LK 3	LK 4
09	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

Page 3 (Ports 17~24)

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

The shaded area indicates the default setting.

Page 4 (Ports 25~32)

LK 1	LK 2	LK 3	LK 4
25	26	27	28
LK 5	LK 6	LK 7	LK 8
29	30	31	LK 1

Page 5 (Ports 33~40)

LK 1	LK 2	LK 3	LK 4
33	34	35	36
LK 5	LK 6	LK 7	LK 8
37	38	39	40

Settings

Page 6 (Ports 41~48)

LK 1	LK 2	LK 3	LK 4
41	42	43	44
LK 5	LK 6	LK 7	LK 8
45	46	47	48

Page 7 (Ports 49~56)

LK 1	LK 2	LK 3	LK 4
49	50	51	52
LK 5	LK 6	LK 7	LK 8
53	54	55	56

Page 8 (Ports57~64)

LK 1	LK 2	LK 3	LK 4
57	58	59	60
LK 5	LK 6	LK 7	LK 8
61	62	63	64

Programming Procedures

1	Go off-line.
2	Press LK4 + ⓪ ② to access the Memory Block.
3	Press the CO/PBX Line key corresponding to each CO/PBX number. The LED indication changes to indicate data each time a CO/PBX line key is pressed. <table><tr><td>**CO/PBX Line Key LED**</td><td>**Off**</td><td>**Green**</td><td>**Red**</td></tr><tr><td>**Data**</td><td>**No ring**</td><td>**Immediate Ring**</td><td>**Delayed Ring**</td></tr></table> There is no default setting. **Note:** Use the following to enter data: ⊛ to move the cursor left # to move the cursor right Conf to move to the next Tel No. Recall to move to the next page Feature to move to the previous page

Default Values

Tel Port numbers 01 and 02 ring on CO/PBX lines 01 ~ 08.

Tel Port numbers 03 ~ 96 do not ring on any incoming CO/PBX calls.

4	After entering all data for all pages, Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Telephone ports A0~C0 are ports 100~120.

Doorphone Chime Assignment (Day Mode)

General Description

Use this Memory Block to assign up to four doorphones to ring at each station in the day mode.

Display

```
Tel Port
No.
(01~99)
A0~C0          Data
               No.              Title

0 1 / 0 3 :  D P H    D A Y

       T I M E   D I S P L A Y
```

Settings

Page 1 (Ports 01~08)

LK 1	LK 2	LK 3	LK 4
DP1	DP2	DP3	DP4
LK 5	LK 6	LK 7	LK 8

There is no default setting.

Programming Procedures

1	Go off-line.	
2	Press LK4 + ⓪ ③ to access the Memory Block.	
3	Use LK1~LK4 to assign ringing for doorphone 1~4.	**Default Values** Port 01 and 02 ring for all doorphones.
4	After entering all data, press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-7-00	Doorphone Assignment
1-7-01	Doorphone Display Time Selection
1-7-04	Doorphone Ringing Pattern Selection
1-7-05	Doorphone Ringing Frequency Selection

Telephone ports A0~C0 are ports 100~120.

Doorphone Chime Assignment (Night Mode)

General Description

Use this Memory Block to assign up to four doorphones to ring at each station in the Night Mode.

Display

Tel Port No. (01~99) A0~C0 Data No. Title

```
0 1 / 0 4 : D P H   N I G H T
        T I M E   D I S P L A Y
```

Settings

Page 1 (Ports 01~08)

LK 1	LK 2	LK 3	LK 4
DP1	DP2	DP3	DP4
LK 5	LK 6	LK 7	LK 8

There is no default setting.

Programming Procedures

1	Go off-line.	
2	Press LK4 + (0 OPER) (4 GHI) to access the Memory Block.	
3	Use LK1~LK4 to assign doorphone ringing for each station.	**Default Values** Ports 01 and 02 ring for all doorphones.
4	After entering all data, press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-7-00	Doorphone Assignment
1-7-01	Doorphone Display Time Selection
1-7-04	Doorphone Ringing Pattern Selection
1-7-05	Doorphone Ringing Frequency Selection

Telephone ports A0~C0 are ports 100~120.

Automatic Outgoing CO/PBX Line Selection

General Description

The memory block is used to determine which lines are automatically seized when an access code or Redial is pressed, and when a station goes Off-Hook (when Automatic Line Selection is set on Station).

Display

Tel Port No. (01~99) A0~C0 | Data No. | Title | Page No.

```
0 1 / 0 5 : O G A S G        0 1

      T I M E   D I S P L A Y
```

Settings

Page 1 (Ports 01~08)

LK 1	LK 2	LK 3	LK 4
01	02	03	04
LK 5	LK 6	LK 7	LK 8
05	06	07	08

Page 2 (Ports 09~16)

LK 1	LK 2	LK 3	LK 4
09	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

Page 3 (Ports17~24)

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

Page 4 (Ports 25~32)

LK 1	LK 2	LK 3	LK 4
25	26	27	28
LK 5	LK 6	LK 7	LK 8
29	30	31	32

The shaded area indicates the default setting.

Page 5 (Ports 33~40)

LK 1	LK 2	LK 3	LK 4
33	34	35	36
LK 5	LK 6	LK 7	LK 8
37	38	39	40

Page 6 (Ports 41~48)

LK 1	LK 2	LK 3	LK 4
41	42	43	44
LK 5	LK 6	LK 7	LK 8
45	46	47	48

Settings

Page 7 (Ports 49~56)

LK 1	LK 2	LK 3	LK 4
49	50	51	52
LK 5	LK 6	LK 7	LK 8
53	54	55	56

Page 8 (Ports57~64)

LK 1	LK 2	LK 3	LK 4
57	58	59	60
LK 5	LK 6	LK 7	LK 8
61	62	63	64

Programming Procedures

1	Go off-line.	
2	Press LK4 + (0 OPER) (5 JKL) to access the Memory Block.	
3	Press the CO/PBX Line key corresponding to each CO/PBX number. The LED indication changes to indicate data each time a CO/PBX line key is pressed. <table><tr><th>CO/PBX Line Key LED</th><th>Off</th><th>Green</th></tr><tr><td>Data</td><td>NO Selection</td><td>YES Selection</td></tr></table> **Note:** Use the following to enter data: (*) to move the cursor left (#) to move the cursor right (Conf) to move to the next Tel No. (Recall) to move to the next page (Feature) to move to the previous page	**Default Values** Tel Port (01-CO) = All trunks (01~64) set to "YES"
4	After entering all data for all pages, press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-1-48	Access Code (3-Digit) Assignment

1. Telephone ports A0~C0 are ports 100~120.
2. Selection is made on a port by port, line by line basis.

Code Restriction Class Assignment (Day Mode)

General Description

Use this Memory Block to specify, per station, Code Restriction Class in Day Mode.

Display

Tel Port No. (01~99) A0~C0 | Data No. | Title | Setting Data (00~15)

```
0 1 / 0 7 : C L S   D A Y = 0 0
      T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK4 + (0 OPER) (7 PQRS) to access the Memory Block.	
3	Use dial pad to enter data for Restriction Classes 00 ~15. **Note:** Use the following to enter data: 　(✱) to move the cursor left 　(#) to move the cursor right 　(0 OPER) ~ (9 WXYZ) to enter numeric data 　(Conf) to move to the next Tel No	**Default Values** All Stations Class 00
4	After entering all data, press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
	Refer to Section 6 Code Restriction in this chapter.

Telephone ports A0~C0 are ports 100~120.

Code Restriction Class Assignment (Night Mode)

System Mode
4
Submode
—
Data No.
08
PC Programming
[Alt] **+AC**

General Description

Use this memory block to specify, per station, Code Restriction Class in Night Mode.

Display

Tel Port No. (01~99) A0~C0	Data No.	Title	Setting Data (00~15)

```
0 1 / 0 8 : C L S   N T   = 0 0
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK4 + (0 OPER) (8 TUV) to access the Memory Block.	
3	Use dial pad to enter data for Restriction Classes 00 ~15.	**Default Values**
	Note: Use the following to enter data:	All Stations Class 00
	(*) to move the cursor left	
	(#) to move the cursor right	
	(0 OPER) ~ (9 WXYZ) to enter numeric data	
	(Conf) to move to the next Tel Port No.	
4	After entering all data, press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
	Refer to Section 6 Code Restriction in this chapter.

Telephone ports A0~C0 are ports 100~120.

Telephone to Tenant Assignment

System Mode
4
Submode
—
Data No.
09
PC Programming
Alt **+BTT**

General Description

Use this memory block to specify, per station, Tenant Assignment.

Display

```
Tel Port
No.
(01~99)                                      Setting
A0~C0         Data                            Data
              No.          Title              (00~47)

 0 1 / 0 9 : T E N A N T = 0 0

       T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK4 + ⓪ ⑨ to access the Memory Block.	
3	Use dial pad to enter data for Tenant Numbers 00 ~47.	**Default Values**
	Note: Use the following to enter data:	All Telephones Tenant 00
	⁕ to move the cursor left	
	# to move the cursor right	
	⓪ ~ ⑨ to enter numeric data	
	Conf to move to the next Tel No.	
4	After entering all data, Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
2-01	Trunk to Tenant Assignment
2-05	Line Key Selection
2-06	Line Key Selection for Tenant Mode
2-07	System Speed Dial Display Assignment
2-08	ECR Relay to Tenant Assignment

1. Stations can be assigned to one of 48 Tenant Number (00 ~ 47).
2. The Call Pickup Group is determined by Tenant assignment.
3. Telephone ports A0~C0 are ports 100~120.

Station Number Assignment

General Description

Use this memory block to assign a station number to each telephone.

Display

Tel Port No. (01~99) A0~C0	Data No.	Title	Setting Data (00~9999)

```
0 1 / 1 0 : S T A      =    1 0 0
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK4 + ① ⓪ to access the Memory Block.	
3	Use dial pad to enter Setting Data for 2- (00~99) , 3- (000~999), or 4-digit (0000~9999) station number. **Note:** Use the following to enter data: ∗ to move the cursor left # to move the cursor right ⓪ ~ ⑨ to enter numeric data Conf to move to the next Tel No	**Default Values** Valid Station Numbers are 100 ~399.
4	After entering all data, press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
1-1-47	Access Code (2-Digit) Assignment
1-2-03	2-, 3-, or 4-Digit Station Number Selection

1. Station Number Assignment is per station. A station number cannot be assigned to more than one telephone. A telephone cannot have more than one station number.
2. When changing Station Numbers to a different numbering plan perform the following steps in order.
   a. Select Station Numbers using Memory Block 1-2-03 2-, 3-, or 4-Digit Station Number Selection.
   b. Program applicable Access Code in Memory Block 1-1-46 Access Code (1-Digit) Assignment or 1-1-47 Access Code (2-Digit) Assignment.
   c. Program all Station Numbers using this Memory Block.
3. Telephone ports A0~C0 are ports 100~120.

Ringing Line Preference Selection

General Description

Use this memory block to specify whether or not each station user can answer incoming ringing CO/PBX calls by going off-hook.

Display

```
Tel Port
No.
(01~99)        Data                                      Setting
A0~C0          No.              Title                     Data

0 1 / 1 1 : R N G   P R F      Y S

            T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑦ ⑦ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. **Note:** Use the following to enter data: Conf to move to the next Tel Port No.
4	After entering all data, press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-01	CO/PBX Ring Assignment (Day Mode)
4-02	CO/PBX Ring Assignment (Night Mode)

1. Programming for this Memory Block applies to Ring Assigned telephones only.
2. An intercom call cannot be originated after a ring assigned CO/PBX line terminates on the telephone.
3. Telephone ports A0~C0 are ports 100~120.

Line Key Selection for Telephone Mode

General Description

Use this Memory Block to assign functions to each CO/PBX line key on each telephone in a tenant specified as Telephone Mode in Memory Block 2-05 Line Key Selection.

Display

	Tel Port No. (01~99) A0~C0	Data No.	Line Key No. (01~24)	Setting Data 1	Setting Data 2
	0 1 /	1 2 :	L 0 1 =	C O	0 1
	T I M E D I S P L A Y				

Settings

LK 1	LK 2	LK 3	LK 4
Not Specified	CO/PBX Line	CFW-B/NA	CFW-ALL
LK 5	LK 6	LK 7	LK 8
Call Appearance	Feature Access	Trunk Group	Route Advance

The shaded area indicates the default setting.

LK 9	LK 10	LK 11	LK 12
SIE/CAR	Microphone Key	Headset	Scroll Key for Caller ID
LK 13	LK 14	LK 15	LK 16
DND On/Off	LOG On/Off	BGM On/Off	ICM

Programming Procedures

1	Go off-line.
2	Press LK4 + ① ②ABC to access the Memory Block.
3	Press corresponding CO/PBX line key to change setting data 1. **Default Values** For Tel 01~CO: LK01~08 Assigned to CO/PBX lines 01~08.
	Note: Use the following to enter data:
	⊛ to move the cursor left
	# to move the cursor right
	⓪OPER ~ ⑨WXYZ to enter setting data 2
	Conf to move to the next Tel Port No
	For example, to assign Trunk Group 5 to CO/PBX line key 1, press LK7 to display TKGP, and enter 05 (for RT 05) using the dial pad.
4	Press Transfer to write the data and display the next line key.
5	Repeat example and step 4 until all line key assignments are complete, and press Transfer to enter last data.
6	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
2-06	Line Key Selection for Tenant Mode

Function Table

Line Key	Functions [For each telephone in tenant specified as Telephone Mode in Memory Block 2-05 (Line Key Selection)]	Setting Data 1 LCD Indication	Setting Data 2
1	Not Specified	NON	N/A
2	CO/PBX line	CO	01~64
3	Call Forward - Busy/No Answer	FW BNA	N/A
4	Call Forward - All Call	FW ALL	N/A
5	Call Appearance Block (00~47). Refer to Note 6	C	Call Appearance Key 01~24
6	Feature Access	FA	01~10 (01~16 if main software is Release 4 and above)
7	Trunk Group	TKGP	01~32
8	Route Advance	ADV	01~16
9	Secondary Incoming Extension	SIE	Telephone Port No. 01~99 A0~C0
10	Microphone	MIC	N/A
11	Headset	H SET	N/A
12	Scroll Key for Caller ID	SCROLL	N/A
13	Do Not Disturb - Break Mode On/Off	DND	N/A
14	Log On/Off	LOG	N/A
15	Background Music On/Off	BGM	N/A
16	Intercom Key	ICM	N/A

1. If an Xen system is installed as a Key Function (KF) system, all COs must be assigned to the line keys. Trunk Groups, Route Advance and Least Cost Routing (LCR) cannot be assigned.
2. At system default, line keys 09~24 are not assigned.
3. Telephone ports A0~C0 are ports 100~120.

CO/PBX Busy Forward Station Assignment

System Mode	**4**
Submode	**—**
Data No.	**13**
PC Programming	Alt + BTT

General Description

Use this Memory Block to specify up to two telephones to ring when a CO/PBX call terminates at a busy station.

Display

Tel Port No. (01~99) A0~C0	Data No.	Title	Forward No. 1/2	Setting Data
0 1	/ 1 3 :	F W D	1	=

```
          T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK4 + ① ③ to access the Memory Block.
3	Use dial pad to change data. **Note:** Use the following to enter data: ✱ to move the cursor left # to move the cursor right ⓪ ~ ⑨ to enter numeric data Conf to move to the next Tel Port No **Setting Data: Port No. 01 ~ 120**
4	Press Transfer to write the data for the first transfer to station.
5	Enter second transfer to station.
6	Press Transfer to write the data.
7	Press Speaker to go back on-line.

Default Values

Not specified

Related Programming

No related programming is necessary for this Memory Block.

1. If the Multiline Terminal where the forward is initially set (Forward 1) is busy, the call is forwarded to a second specified station (Forward 2).
2. If all three stations are busy, the first station rings.
3. Telephone ports A0~C0 are ports 100~120.

Intercom Master Hunt Number Selection

General Description

Use this memory block to assign a master intercom number to each telephone.

Display

Tel Port No. (01~99) A0~C0 | Data No. | Title | Setting Data

```
0 1 / 1 4 : M S T E R          N O
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑦ ④GHI to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option **Note:** Use the following to change option: [Conf] to move to the next Tel Port No.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-15	Intercom Master Hunt Number Forward Assignment

1. If Yes is assigned, an incoming internal call from another station, Automated Attendant transferred call, or DIT/ANA/ DID/Tie line designated call is forwarded to a station specified in Memory Block 4-15 Intercom Master Hunt Number Forward Assignment if line is busy.
2. Telephone ports A0~C0 are ports 100~120.

Intercom Master Hunt Number Forward Assignment

System Mode
4
Submode
—
Data No.
15
PC Programming
Alt +BTT

General Description

Use this Memory Block to specify a telephone to ring when a Master Hunt Number specified in Memory Block 4-14 Intercom Master Hunt Number Selection is busy.

Display

Tel Port No. (01~99) A0~C0	Data No.	Title	Setting Data

```
0 1 / 1 5 :  I C M F W D
         T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑦ ⑤ to access the Memory Block.
3	Use dial pad to enter data. To set Tel. Port No. 01 to forward station number 300, enter 300. **Note:** Use the following to enter data: ⁂ to move the cursor left # to move the cursor right ⓪ ~ ⑨ to enter numeric data Hold clear data when cursor is at setting data Conf to move to the next Tel Port No. **Setting Data:** Forward Station Number is one of the following: • 2 digit (00 ~ 99) • 3 digit (000 ~ 999) • 4 digit (0000 ~ 9999)	**Default Values** All Telephones Not Specified
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-14	Intercom Master Hunt Number Selection

Telephone ports A0~C0 are ports 100~120.

Station to Class of Service Feature Assignment

General Description

Use this Memory Block to specify, per station, a class for each Table (1 and 2) to enable/disable features.

Display

Tel Port No. (01~99) A0~C0 | Data No. | Title | Table No. 1/2 | Setting Service Class

```
0 1 / 1 7 : C L S ( 1 )     = 0 0
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK4 + ① ⑦ to access the Memory Block.

3 Use the dial pad to enter Service Class (00 ~ 15) for Table 1.

Note: Use the following to enter data:
- ✱ to move the cursor left
- # to move the cursor right
- ⓪ ~ ⑨ for entering data

Default Values

Tel. No.	Table No.	Svc. Class
01	1 ATTN	00
	2 STA	00
02	1 ATTN	00
	2 STA	00
03 ~ C0	1 ATTN	15
	2 STA	00

4	Press Transfer to write the data and display Table 2 data.
5	Enter Table 2 Service Class, and press Transfer again.
6	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-8-07	Class of Service (Attendant) Feature Selection 1
1-8-08	Class of Service (Station) Feature Selection 2

1. Table 1 includes features that telephone ports 01 and 02 users are normally allowed to activate. Select any Class pattern specified in Memory Block 1-8-07 Class of Service (Attendant) Feature Selection 1.

2. Table 2 includes features that all telephones users are normally allowed to activate. Select any Class pattern specified in Memory Block 1-8-08 Class of Service (Station) Feature Selection 2.

3. Telephone ports A0~C0 are ports 100~120.

Station Name Assignment

General Description

Use this Memory Block to assign names for telephone stations.

Display

Tel Port No. (01~99) A0~C0   Data No.   Setting Data

```
0 1 / 1 8 : <              >
     T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑦ ⑧(TUV) to access the Memory Block.
3	Use the dial pad to enter data. Refer to Section 7 Character Code Tables, and enter the 3-digit code to display each character. **Default Values** Not Specified **Note:** Use the following to enter data: ⁎ to move the cursor left # to move the cursor right ⓪(OPER) ~ ⑨(WXYZ) to enter numeric data (Hold) to clear all data when cursor is at setting data position (Conf) to go to next Tel Port No.
4	Press (Transfer) to write the data.
5	After entering all data, press (Transfer)
6	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. While an internal line is ringing or in use, the station number and name of the other party are displayed.
2. The name is not displayed when Tone Override, Automatic Callback, or Callback Request is displayed
3. Only 6 digits/characters can be used for each name.
4. Telephone ports A0~C0 are ports 100~120.

Trunk Outgoing Restriction

General Description

Use this Memory Block to specify, per CO/PBX line, whether or not to restrict line seizure for an outgoing call.

Display

```
Tel Port
No.
(01~99)
A0~C0        Data
             No.              Title                   Page

  0 1 / 1 9 : T R K   R S T | 0 1
      T I M E   D I S P L A Y
```

Settings

Page 1 (Ports 01~08)

LK 1	LK 2	LK 3	LK 4
01	02	03	04
LK 5	LK 6	LK 7	LK 8
05	06	07	08

Page 2 (Ports 09~16)

LK 1	LK 2	LK 3	LK 4
09	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

Page 3 (Ports 17~24)

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

Page 4 (Ports 25~32)

LK 1	LK 2	LK 3	LK 4
25	26	27	28
LK 5	LK 6	LK 7	LK 8
29	30	31	32

There is no default setting.

Page 5 (Ports 33~40)

LK 1	LK 2	LK 3	LK 4
33	34	35	36
LK 5	LK 6	LK 7	LK 8
37	38	39	40

Page 6 (Ports41~48)

LK 1	LK 2	LK 3	LK 4
41	42	43	44
LK 5	LK 6	LK 7	LK 8
45	46	47	48

Settings

Page 7 (Ports 49~56)

LK 1	LK 2	LK 3	LK 4
49	50	51	52
LK 5	LK 6	LK 7	LK 8
53	54	55	56

Page 8 (Ports 57~64)   There is no default setting.

LK 1	LK 2	LK 3	LK 4
57	58	59	60
LK 5	LK 6	LK 7	LK 8
61	62	63	64
29	30	31	32

Programming Procedures

1	Go off-line.
2	Press LK4 + ① ⑨ to access the Memory Block.
3	Press the CO/PBX line key corresponding to each CO/PBX line. **Default Values**
	The LED indication changes to indicate data each time a CO/PBX line key is pressed. Off, Not Restricted.

CO/PBX Line Key LED	Off	On
Data	**Not Restricted**	**Restricted**

The shaded area indicates the default setting.

Note: Use the following to enter data:

* to move the cursor left
# to move the cursor right
⓪ ~ ⑨ to enter numeric data
Hold to clear all data when cursor is at setting data position
Conf to go to next Tel Port No.

4	After entering all data for all pages, Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. A restricted CO/PBX line allows the station user to answer an incoming call or access a held call, but does not allow a user to originate a CO/PBX call.
2. If restricted is specified in this section, the data in Memory Blocks 4-07 Code Restriction Class Assignment (Day Mode) and Memory Block 4-08 Code Restriction Class Assignment (Night Mode) is treated as invalid even if specified.
3. Telephone ports A0~C0 are ports 100~120.

Prime Line/Hot Line Assignment

System Mode
4
Submode
—
Data No.
23
PC Programming
Alt **+BTT**

General Description

Use this memory block to enable user to access various features when going off-hook.

Display

Tel Port No. (01~99) A0~C0   **Data No.**   **Setting Data**

    0 1 / 2 3 :

         T I M E   D I S P L A Y

Programming Procedures

1	Go off-line.	
2	Press LK4 + ② ③ to access the Memory Block.	
3	Use dial pad to enter telephone number (10 Digits max.).	**Default Values**
	Note: Use the following to enter data:	Not Specified
	✳ to move the cursor left	
	# to move the cursor right	
	⓪ ~ ⑨ to enter numeric data	
	Redial + ✳ to input *	
	Redial + ✳ to input #	
4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

1. Prime Line function enables a user to seize a specified trunk when the Multiline Terminal goes off-hook. Refer to function codes 063 and 064 for Memory Blocks 1-1-46 Access Code (1-Digit) Assignment and 1-1-47 Access Code (2-Digit) Assignment.

2. To call the specified station number or CO line on Hot Line, go off-hook.

3. When using Prime Line an access code (Feature + Speaker) must be entered to seize the intercom (ICM) for internal call processing.

4. To use Hot Line Assignment, one of the following must be entered:
   • Station Number
   • Access Code + Dial Number
   • Speed Dial Access Code + Speed Dial Buffer Number.

5. Only 10 digits can be assigned.

6. Telephone ports A0~C0 are ports 100~120.

SLT Hookflash Assignment

General Description

Use this memory block to specify the Single Line Telephone (SLT) hooking operation to either Hold or disconnect the trunk.

Display

```
Tel Port
No.
(01~99)      Data                         Setting
A0~C0        No.          Title            Data

0 1 / 2 4 : S L T    H K H O L D

          T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Hold	Disc		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ②ABC ④GHI to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option. **Note:** Use the following to change option: Conf to go to next Tel Port No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-3-02	SLT Hookflash Signal Selection
4-23	Prime Line/Hot Line Assignment

1. This Memory Block affects only Single Line Telephone stations assigned Prime Line in Memory Block 4-23 Prime Line/Hot Line Assignment.
2. When Prime Line is assigned to an Single Line Telephone, hookflash drops the CO and issues intercom (ICM) dial tone if this Memory Block is set to disconnect.
3. After an SLT begins to dial out 9 +, hookflash follows Memory Block 1-3-02 SLT Hookflash Signal Selection selection.
4. Telephone ports A0~C0 are ports 100~120.

DISA/ID Number Station Assignment

General Description

Use this Memory Block to assign the Direct Inward System Access (DISA) ID Buffer Number corresponding to the station port number. The Station Message Detail Recording (SMDR) printout of the station number corresponds to the calling party who dialled the DISA ID number.

Display

Station Port No. (01~99) A0~C0	Data No.	Title		Setting Data

```
0 1 / 2 6 : I D   N O .   = 0 1
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.		
2	Press LK4 + ②ᴬᴮᶜ ⑥ᴹᴺᴼ to access the Memory Block.		
3	Use the dial pad to assign DISA ID Buffer Number (01 ~ 96).	**Default Values**	
	Note: Use the following to enter data:		
	✳ to move the cursor left		
	# to move the cursor right		
	⓪ₒₚₑᵣ ~ ⑨wxyz to enter numeric data		
	Conf to select next Station Port No.		
4	Press Transfer to write the data.		
5	Press Speaker to go back on-line.		

Default Values table:

Station Port Number	DISA ID Buffer Number
01	01
02 ~ C0	02 ~ C0

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming.

Telephone ports A0~C0 are ports 100~120.

ID Outgoing Restriction Selection

General Description

Use this Memory Block to specify which ID Numbers can be entered at each station to override Code Restriction.

Display

Tel Port No. (01~99) A0~C0	Data No.	Title	Page (01~08)

```
0 1 / 2 7 : O G I D        | 0 1
        T I M E   D I S P L A Y
```

Settings

Page 1 (ID No. 01)

LK 1	LK 2	LK 3	LK 4
01	02	03	04
LK 5	LK 6	LK 7	LK 8
05	06	07	08

Page 2 (ID No. 09)

LK 1	LK 2	LK 3	LK 4
09	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

Page 3 (ID No. 17)

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

Page 4 (ID No. 25)   The shaded area indicates the default setting.

LK 1	LK 2	LK 3	LK 4
25	26	27	28
LK 5	LK 6	LK 7	LK 8
29	30	31	32

Page 5 (ID No. 33)

LK 1	LK 2	LK 3	LK 4
33	34	35	36
LK 5	LK 6	LK 7	LK 8
37	38	39	40

Page 6 (ID No. 41)

LK 1	LK 2	LK 3	LK 4
41	42	43	44
LK 5	LK 6	LK 7	LK 8
45	46	47	48

Page 7 (ID No. 49)

LK 1	LK 2	LK 3	LK 4

Settings

49	50	51	52
LK 5	LK 6	LK 7	LK 8
53	54	55	56

Page 8 (ID No. 57)

LK 1	LK 2	LK 3	LK 4
57	58	59	60
LK 5	LK 6	LK 7	LK 8
61	62	63	64

Page 9 (ID No. 65)

LK 1	LK 2	LK 3	LK 4
65	66	67	68
LK 5	LK 6	LK 7	LK 8
69	70	71	72

Page 10 (ID No. 73)

LK 1	LK 2	LK 3	LK 4
76	74	75	76
LK 5	LK 6	LK 7	LK 8
77	78	79	80

Page 11 (ID No. 81)

LK 1	LK 2	LK 3	LK 4
81	82	83	84
LK 5	LK 6	LK 7	LK 8
85	86	87	88

Page 12 (ID No. 89)

LK 1	LK 2	LK 3	LK 4
89	90	91	92
LK 5	LK 6	LK 7	LK 8
93	94	95	96

Page 13 (ID No. 97)

LK 1	LK 2	LK 3	LK 4
97	98	99	100
LK 5	LK 6	LK 7	LK 8
101	102	103	104

Page 14 (ID No. 105 [A5])

LK 1	LK 2	LK 3	LK 4
105	106	107	108
LK 5	LK 6	LK 7	LK 8
109	110	111	112

Page 15 (ID No. 113 [B3])

LK 1	LK 2	LK 3	LK 4
113	114	115	116
LK 5	LK 6	LK 7	LK 8
117	118	119	120

Programming Procedures

1	Go off-line.

Programming Procedures

2	Press LK4 + ⓪OPER ① to access the Memory Block.	
3	Press the CO/PBX Line key corresponding to each CO/PBX number. The LED indication changes to indicate data each time a CO/PBX line key is pressed.	**Default Values** All stations = Available for all ID Numbers.

CO/PBX Line Key LED	Off	On
Meaning	Not Available	Available

Note: Use the following to enter data:

- ✱ to move the cursor left
- ＃ to move the cursor right
- Conf to move to the next Tel No.
- Recall to move to the next page
- Feature to move to the previous page
- Redial +1, 2, 3 = A, B or C for Port Number

Tel Port Number:

01~99	=	01~99
A0~A9	=	100~109
B0~B9	=	110~119
C0	=	120

4	After entering all data for all pages, press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-19	Line Selection for Automatic Outgoing Calls
1-1-46	DID Digit Length Selection
1-1-47	DID Digit Conversion Assignment
1-1-48	DID Forward Station Number for Undefined Digit
* * 1-5-23 * *	T.B.A.
1-9-00	DISA/ID Code Assignment
1-9-02	DISA/ID Password Effect/Invalid Selection
1-9-03	ID Restriction Class Assignment (Day Mode)
4-26	DISA/ID Number Station Assignment

Telephone ports A0~C0 are ports 100~120.

Multilingual LCD Indication Selection

General Description

Use this Memory Block to specify whether Japanese, French, English or Spanish is displayed on the Multiline Terminal LCD.

Display

Tel Port No. (01~99) A0~C0   Data No.   Title   Setting Data

0 1 / 2 8 : L A N G U   E N G
T I M E   D I S P L A Y

Settings

LK 1	LK 2	LK 3	LK 4
JAPA	FREN	ENG	SPAN
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ②(ABC) ⑧(TUV) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change language option.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Telephone ports A0~C0 are ports 100~120.

HFU Selection

General Description

Use this memory block to enable/disable (per station) the built-in Handsfree HFU-U(BK)/ (WH) Unit.

Display

```
Tel Port No.
(01~99)
A0~C0        Data                              Setting
             No.        Table                   Data

   0 1  /  2 9  :  H F U              N O

         T I M E    D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Ys		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ② ⑨ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Telephone ports A0~C0 are ports 100~120.

Hold/Transfer Recall Display Selection

General Description

Use this memory block to enable/disable the Hold Recall indication on the LCD.

Display

```
Tel Port No.
(01~99)
A0~C0        Data                                      Setting
             No.              Title                    Data

   0 1 / 3 0 : H L D    D S P      Y S

         T I M E    D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Ys	No		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ③ ⓪ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. If this Memory Block is assigned Yes, the Hold Recall is displayed in place of the Time Display.
2. LCD indication of the CO line number is displayed on the upper line of the display when a recall occurs, regardless of the assignment for this Memory Block.
3. Telephone ports A0~C0 are ports 100~120.

Receiving Internal/All Call Page Selection

General Description

Use this memory block to enable/disable (per station) receiving an Internal Zone or Internal All Zone Page.

Display

Tel Port No.
(01~99)
A0~C0

Data No.

Title

Setting Data

```
0 1 / 3 1 : P A G I N G      Y S
       T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Ys	No		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ③ ① to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. Internal Emergency All Call Page and Internal Paging by Tenant Group overrides this Memory Block. Refer to Memory Block 1-1-46 Access Code (1-Digit) Assignment.
2. Telephone ports A0~C0 are ports 100~120.

Trunk Digit Restriction

General Description

Use this Memory Block to specify the maximum number of digits per station that can be dialled while on any outside line.

Display

Tel Port No.
(01~99)
A0~C0   Data   Title   Setting
             No.   Data

```
0 1 / 3 2 : D G   R E S T = 0 0
        T I M E   D I S P L A Y
```
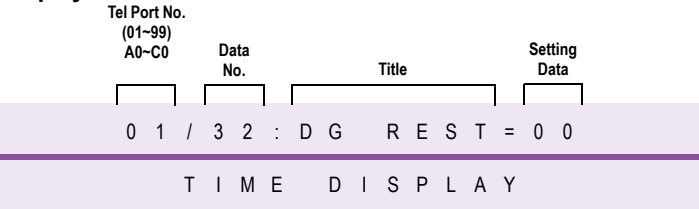
| *System Mode* |
| **4** |
| *Submode* |
| **—** |
| *Data No.* |
| **32** |
| *PC Programming* |
| Alt +BTT |

Programming Procedures

1	Go off-line.
2	Press LK4 + ③ ② to access the Memory Block.
3	Use the dial pad to enter Setting Data (00 ~ 99 digits).
	Note: Use the following to enter data:
	⓪ ~ ⑨ to enter numeric data
	Conf to select next Tel Port No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Default Values

00 (No Limit)

Related Programming

M.B. Number	Memory Block Name
	Refer to Section 6 Code Restriction in this chapter.

1. Code Restriction must be assigned before this feature is used.
2. Trunk Digit Restriction applies to all CO/PBX lines.
3. Tie Line Code Restriction must be assigned before this feature works on Tie lines.
4. Telephone ports A0~C0 are ports 100~120.

Voice Mail/SLT Selection

General Description

Use this memory block to specify whether or not a Voice Mail system is interfaced with the system for Single Line Telephone ports.

Display

```
Tel Port No.
(01~99)
A0~C0     Data                              Setting
          No.           Title                Data

  0 1 / 3 5 : V   M A I L        N O

          T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Ys		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ③ ⑤ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option. **Note:** Use the following to change option: Press [Conf] to go to next Tel Port No.
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
7-2	Telephone Type Assignment.

1. The SLT(1)-U13 ADP Adapter and the ADA(2)-W(BK)/(SW) Unit do not support Voice Mail.
2. Only 16 Voice Mail ports are supported by this system.
3. Telephone ports A0~AC are ports 100~120.

Voice Prompt Selection

General Description

Use this memory block to specify, per station, whether to allow or deny Voice Prompt.

Display

Tel Port No. (01~99) A0~C0 | Data No. | Title | Setting Data

```
0 1 / 3 6 : P R O M P T       N O
      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Ys		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ③ ⑥ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.
	Note: Use the following to change option:
	Press Conf to go to next Tel Port No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

Telephone ports A0~C0 are ports 100~120.

Extension Line Key Ring Assignment (Day Mode)

General Description

Use this Memory Block to specify the ringing assignment on incoming calls to a Secondary Incoming Extension (SIE) or a Call Arrival key.

Display

Tel Port No.
(01~99)
A0~C0

Data No.

Title

Page

The shaded area is the default setting.

```
0 1 / 3 7 : E X T   D A Y | 0 1
      T I M E   D I S P L A Y
```

Settings

Page 1 (Line Keys 01~08)

LK 1	LK 2	LK 3	LK 4
1	2	3	4
LK 5	LK 6	LK 7	LK 8
5	6	7	8

Page 2 (Line Keys 09~16)

LK 1	LK 2	LK 3	LK 4
9	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

There is no default setting.

Page 3 (Line Keys 17~24)

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

Programming Procedures

1	Go off-line.	
2	Press LK4 + ③ ⑦ to access the Memory Block.	
3	Use the dial pad to select option. The LED indication changes to indicate data each time a CO/PBX line key is pressed.	**Default Values** All Telephones: No Ring

CO/PBX Line Key LED	Off	Green	Red
Data	**No ring**	**Immediate Ring**	**Delayed Ring**

Note: Use the following to enter data:

Recall — go to next page

Feature — go to previous page

Conf — to select next Tel Port No.

4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-2-26	Delayed Ringing Timer Assignment (ICM)

1. When Ring is set, the LED is green.
2. This Memory Block applies only when an SIE or Call Arrival key is programmed for line key appearance.
3. Telephone ports A0~C0 are ports 100~120.

Extension Line Key Ring Assignment (Night Mode)

General Description

Use this Memory Block to specify the ringing assignment on incoming calls to a Secondary Incoming Extension (SIE) or a Call Arrival key.

Display

Tel Port No.
(01~99)
A0~C0
Data No.
Title
Page

```
0 1 / 3 8 : E X T   N T   | 0 1
          T I M E   D I S P L A Y
```

Settings

Page 1 (Line Keys 01~08)

LK 1	LK 2	LK 3	LK 4
1	2	3	4
LK 5	LK 6	LK 7	LK 8
5	6	7	8

Page 2 (Line Keys 09~16)

LK 1	LK 2	LK 3	LK 4
9	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

There is no default setting.

Page 3 (Line Keys 17~24)

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

Programming Procedures

1	Go off-line.	
2	Press LK4 + ③ ⑧ to access the Memory Block.	
3	Use the dial pad to enter data. The LED indication changes to indicate data each time a CO/PBX line key is pressed.	**Default Values** All Telephones: No Ring

CO/PBX Line Key LED	Off	Green	Red
Data	No ring	Immediate Ring	Delayed Ring

Note: Use the following to enter data:
- [Recall] go to next page
- [Feature] go to previous page
- [Conf] select next Tel Port No.

4	Press [Transfer] to write the data.

Programming Procedures

5	Press ⌨Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-2-26	Delayed Ringing Timer Assignment (ICM)

1. When Ring is set, the LED is green.
2. This Memory Block applies only when an SIE or Call Arrival key is programmed for line key appearance.
3. Telephone ports A0~C0 are ports 100~120.

APR Ring Mode Assignment

General Description

Use this Memory Block to specify the ringing mode for an Single Line Telephone connected to the APR-U.

Display

Tel Port No.
(01~99)
A0~C0   Data   Setting
               No.   Title   Data

```
0 1 / 3 9 : A D A   2   = S T A
      T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No Ring	Station Number only	All Ring	
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ③ ⑨ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.
	Note: Use the following to enter data:
	Conf select next Tel Port No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. No Ring means that no calls ring at the Single Line Telephone.
2. Station Number ring means that only calls directed to the Multiline Terminal Station Number, ring at the Single Line Telephone.
3. All Ring means that all calls that ring at the Multiline Terminal also ring at the Single Line Telephone.
4. Telephone ports A0~C0 are ports 100~120.

LCR Class Selection

General Description

Use this Memory Block to specify, per station, the Least Cost Routing (LCR) Class. The Xen Master/Axis system has four Area Code Tables. Each LCR Class can have different Trunk Group access to allow priority levels for the station user.

Display

Tel Port No. (01~99) A0~C0   **Data No.**   **Title**   **Setting Data**

```
0 1 / 4 0 : L C R   C L S = 0
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Class 0	Class 1	Class 2	Class 3
LK 5	LK 6	LK 7	LK 8
Class 4			

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ④ ⓪ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option. **Note:** Use the following to change option: Conf to select next Tel Port No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. LCR Class Selection corresponds to Area Code Tables as follows:
   Class 0   No LCR
   Class 1   Use Area Code Table 1
   Class 2   Use Area Code Table 2
   Class 3   Use Area Code Table 3
   Class 3   Use Area Code Table 3
2. Stations cannot be assigned to multiple LCR Classes.
3. An MIFM PAL must be installed in the system to support this feature.
4. Telephone ports A0~C0 are ports 100~120.
5. Access Code must always be used in order to access LCR Trunk Group 1.

SIE/CAR Ringing Line Preference Selection

General Description

Use this Memory Block to specify whether to allow/deny Ringing Line Preference (go off-hook or press Speaker key) on all telephones that are assigned Secondary Incoming Extension (SIE) and/or Call Arrival keys.

Display

Tel Port No.
(01~99)
A0~C0

Data No.

Title

Setting Data

```
0 1 / 4 1 : S - C   P R F   Y S
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ④GHI ① to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option. **Note:** Use the following to change option: Conf select next Tel Port No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-37	Extension Line Key Ring Assignment (Day Mode)
4-38	Extension Line Key Ring Assignment (Night Mode)

Telephone ports A0~C0 are ports 100~120.

Call Forward-Busy Immediately/ Delay Selection

General Description

Use this Memory Block to specify immediate forward (No) or delay forward (Yes) for an Incoming CO/PBX call if the station is set for Call Forward Busy.

Display

	Tel Port No. (01~99) A0~C0	Data No.	Title	Setting Data

```
0 1 / 4 2 : B U S Y  F W D     Y S
```
```
      T I M E    D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
No	Yes		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ④ ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.
	Note: Use the following to change option:
	Conf to select next Tel Port No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-2-22	Call Forward No Answer Timer Selection

Telephone ports A0~C0 are ports 100~120.

Station to Call Appearance Block Assignment

General Description

Use this Memory Block to assign a Multiline Terminal to a Call Appearance Block.

Display

**Tel Port No.
(01~99)
A0~C0   Data   Title   Setting
                     No.   Data**

```
0 1 / 4 3 : C A P     N O 0 0

         T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK4 + ④(GHI) ③(DEF) to access the Memory Block.
3	Use the dial pad to enter Call Appearance Block (00 ~ 47).

3 (continued)

Note: Use the following to enter data:

   ✱ to move the cursor left

   # to move the cursor right

   ⓪(OPER) ~ ⑨(WXYZ) to enter numeric data

   [Conf] to select next Tel Port No.

Default Values

All stations are assigned to Call Appearance Block 00.

4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming

Telephone ports A0~C0 are ports 100~120.

Caller ID Preset Dial Outgoing CO Selection

System Mode
4
Submode
—
Data No.
44
PC Programming
[Alt]**+AI**

General Description

Use this Memory Block to assign the Trunk Group, Route Advanced Group, or Closed Numbering Group that is seized for Caller ID Outgoing Calls. Use the Caller ID Scroll key to access the Caller ID to be called.

New Zealand - Scroll Key Function does not work for Analogue CO Lines.

Display

```
Tel Port No.
(01~99)
A0~C0          Data
                No.        Setting Data

    0  1  /  4  4  :

          T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK4 + ④ ④ to access the Memory Block.	
3	Use the dial pad to enter Setting Data.	**Default Values**
	Note: Use the following to enter data:	Not specified
	✳ to move the cursor left	
	# to move the cursor right	
	⓪ ~ ⑨ to enter numeric data	
	Conf to select next Tel Port No.	
4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

1. Setting Data is Access Code Assignment in Memory Blocks 1-1-46, 1-1-47, 1-1-48 Access Code (1-Digit, 2-Digit, or 3-Digit) Assignment. For example: Dial 9 (101) → Trunk Group 1.

2. Assign the Caller ID Scroll key using Memory Blocks 2-06 Line Key Selection for Tenant Mode or 4-12 Line Key Selection for Telephone Mode.

3. Telephone ports A0~C0 are ports 100~120.

Live Record Auto Delete

General Description

This Memory Block controls whether live record sessions that are not addressed by the station user are deleted or not.

Display

Tel Port No.
(01~99)
A0~C0

Data No.

Setting Data

```
0 1 / 4 6 : A U T O   D E L   N O
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Yes	No		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ④ ⑥ to access the Memory Block.
3	Use the Line Keys to enter the Live Record Message Control Selection. **Note:** Use the following to enter data: ✳ to move the cursor left # to move the cursor right ⓪ ~ ⑨ to enter numeric data Conf to select next Tel Port No.	**Default Values** No
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

ISDN Directory Number Selection

General Description

This Memory Block specifies whether or not the directory Number is presented to the Network when a call is placed from the programmed station.

Display

```
Tel Port No.   Data                    Setting
(01~CO)        No.      Title          Data

0 1 / 4 7 : C – I D        Y E S
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Yes	No		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + 4 7 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the Setting Data option.
4	Press Transfer to write the data and display the next Memory Block.
5	Program the next Memory Block or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-52	ISDN Trunk Directory Number Assignment
3-90	Trunk Type Selection
4-62	ISDN Extension-based Caller ID Assignment

1. When this Memory Block is set to No, and ISDN is used in CO Mode in Memory Block 3-90, the programmed number in Memory Block 3-52 is not presented as Caller ID. The Network presents Restricted for the Caller ID information.
2. When this Memory Block is set to YES and ISDN is used in CO Mode in Memory Block 3-90, the programmed number in Memory Block 3-52 is presented as Caller ID. The Network presents the programmed number as Caller ID.
3. When this Memory Block is set to No and ISDN is used in DID Mode in Memory block 3-90, the programmed number in Memory Block 3-52 is not presented as Caller ID. **System Software version 5.0 or higher is required.**
4. When this Memory Block is set to YES and ISDN is used in DID Mode in Memory Block 3-90, the programmed number in Memory Block 4-62 is presented as Caller ID. The Network presents the programmed number as Caller ID. **System Software version 5.0 or higher is required.**

Caller ID Display for CAR Key

General Description

This Memory Block assigns one Multiline Terminal per CAR to display Caller ID Indication on incoming CAR calls.

Display

CAR Port No.	Data No.	Title	Tel Port No. (01~99) A0~C0

```
0 1 / 4 9 : C A L L   I D     0 0
        T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK1 + LK10 + ⓪ ⑥ to access the Memory Block.
3	Use the dial pad to enter Setting Data. **Default Values** Not Specified **Note:** Use the following to enter data: ✳ to move the cursor left # to move the cursor right ⓪ ~ ⑨ to enter numeric data Conf to select next CAR No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

To display Caller ID Indication for normal incoming CO calls and CAR incoming calls, both Caller ID Indication and Ring assignment must be assigned for the terminal in System Programming. A maximum of 15 Multiline Terminals can be assigned system-wide to display caller identification for normal incoming CO calls and CAR incoming calls using Memory Block 1-1-78 Caller ID Display Assignment for System Mode. A sixteenth Multiline Terminal can be assigned to display caller identification for CAR incoming calls per CAR using this Memory Block.

Multiline Terminal Type Selection

General Description

This Memory Block is used to assign a DTU-32-1(BK)/(WH), or DTU-32D-1/2 (BK)/(WH) TEL with 16 line keys or 24 line keys.

Display

Tel Port No. (01~99) A0~C0

Data No.

Title

Setting Data

0 1 / 5 0 : M L T   T P   1 6
T I M E   D I S P L A Y

Settings

LK 1	LK 2	LK 3	LK 4
16	24		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.	
2	Press LK4 + ⑤ ⓪ to access the Memory Block.	
3	Use line keys to assign 16 or 24 line keys.	**Default Values** All stations have 16 line keys.
4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

Telephone ports A0~C0 are ports 100~120.

Line Key Orientation

16 Line Key Type

LK1	LK2	LK3	LK4	DSS 1	DSS 9
LK5	LK6	LK7	LK8	DSS 2	DSS 10
LK9	LK10	LK11	LK12	DSS 3	DSS 11
LK13	LK14	LK15	LK16	DSS 4	DSS 12
				DSS 5	DSS 13
				DSS 6	DSS 14
				DSS 7	DSS 15
				DSS 8	DSS 16

24 Line Key Type

LK1	LK2	LK3	LK4	LK17	LK21
LK5	LK6	LK7	LK8	LK18	LK22
LK9	LK10	LK11	LK12	LK19	LK23
LK13	LK14	LK15	LK16	LK20	LK24
				DSS 1	DSS 5
				DSS 2	DSS 6
				DSS 3	DSS 7
				DSS 4	DSS 8

Off-Hook Ringing Selection

General Description

Use this Memory Block to assign Off-Hook Ringing to Multiline Terminals per station.

Display

Tel Port No. (01~99) A0~C0	Data No.	Title	Setting Data

```
0 1 / 5 1 : O F F   R I N G   Y S
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Ys	No		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.	
2	Press LK4 + ⑤ ① to access the Memory Block.	
3	Use the Line Keys to enter the Off-Hook Ringing Selection. **Note:** Use the following to enter data: 　※　to move the cursor left 　#　to move the cursor right 　⓪ ~ ⑨　to enter numeric data 　[Conf] to select next Tel Port No.	**Default Values** All terminals = YS
4	Press [Transfer] to write the data.	
5	Press [Speaker] to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

Telephone ports A0~C0 are ports 100~120.

CO/PBX Answer Key Operation without Ringing Assignment (Day Mode)

System Mode
4
Submode
—
Data No.
52
PC Programming
Alt **+BTT**

General Description

This Memory Block is used to disable Ring Assigned telephones from ringing during Day and allowing Message Waiting and Answer Key to blink, therefore allowing calls to be answered.

Display

Tel Port No.
(01~99)
A0~C0   Data   Title   Setting
                No.   Data

```
0 1 / 5 2 : R I N G   D     N O
    T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑤ ② to access the Memory Block.
3	Press the corresponding CO/PBX line key to change language option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-01	CO/PBX Ring Assignment (Day Mode)
4-02	CO/PBX Ring Assignment (Night Mode)

1. Telephone ports A0~C0 are ports 100~120.
2. Setting to YES - the telephone will ring for all Ring Assigned lines set in Memory Blocks 4-01 and 4-02.
3. Setting to NO - the telephone will not ring for any Ring Assigned lines however the Message Waiting Lamp and Answer Key will flash. When NO is selected neither Caller ID nor Trunk Name Assignment will be displayed.

CO/PBX Answer Key Operation with-out Ringing Assignment (Night Mode)

System Mode
4

Submode
—

Data No.
53

PC Programming
Alt **+BTT**

General Description

This Memory Block is used to disable Ring Assigned telephones from ringing during Night and allowing Message Waiting and Answer Key to blink, therefore allowing calls to be answered.

Display

Tel Port No. (01~99) A0~C0   **Data No.**   **Title**   **Setting Data**

```
0 1 / 5 3 : R I N G    N    N O
   T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑤ ③ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change language option.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-01	CO/PBX Ring Assignment (Day Mode)
4-02	CO/PBX Ring Assignment (Night Mode)

1. Telephone ports A0~C0 are ports 100~120.
2. Setting to YES - the telephone will ring for all Ring Assigned Lines set in Memory Blocks 4-01 and 4-02.
3. Setting to NO - the telephone will not ring for any Ring Assigned Lines however the Message Waiting Lamp and Answer Key will flash. When NO is selected neither Caller ID nor Trunk Name Assignment will be displayed.

CO Ringing Pattern Selection for Telephone Mode

General Description

Use this Memory Block to assign the ring pattern of telephones for CO/PBX calls.

Display

```
Tel Port
No.
(01~99)
A0~C0        Data
             No.            Title           Setting
                                            Data   Page
```

```
0 1 / 5 5 : C O   R N G        — | 1
         T I M E   D I S P L A Y
```

Settings

Page 1

LK 1	LK 2	LK 3	LK 4
—	A	B	C
LK 5	LK 6	LK 7	LK 8
D	E	F	G

Page 2

LK 9	LK 10	LK 11	LK 12
H			
LK 13	LK 14	LK 15	LK 16

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑤ ⑤ to access the Memory Block.
3	Press corresponding CO/PBX line key to change setting data 1. **Note:** Use the following to enter data: ✳ to move the cursor left # to move the cursor right ⓪ ~ ⑨ to enter setting data 2 Conf to move to the next Tel Port No For example, to assign Trunk Group 5 to CO/PBX line key 1, press LK7 to display TKGP, and enter 05 (for RT 05) using the dial pad.	**Default Values:** — = NONE
4	Press Transfer to write the data and display the next line key.
5	Repeat example and step 4 until all line key assignments are complete, and press Transfer to enter last data.
6	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-67	CO Line Ringing Pattern Selection for CO/PBX Line Mode
4-56	CO Line Ringing Pattern by Telephone or CO Selection

1. This memory block is controlled by MB 4-57 if calls are to be CO or Telephone ring.
2. This memory block is applicable for main software Release 4.0 and above.

The Ring Patterns are shown in the table below:
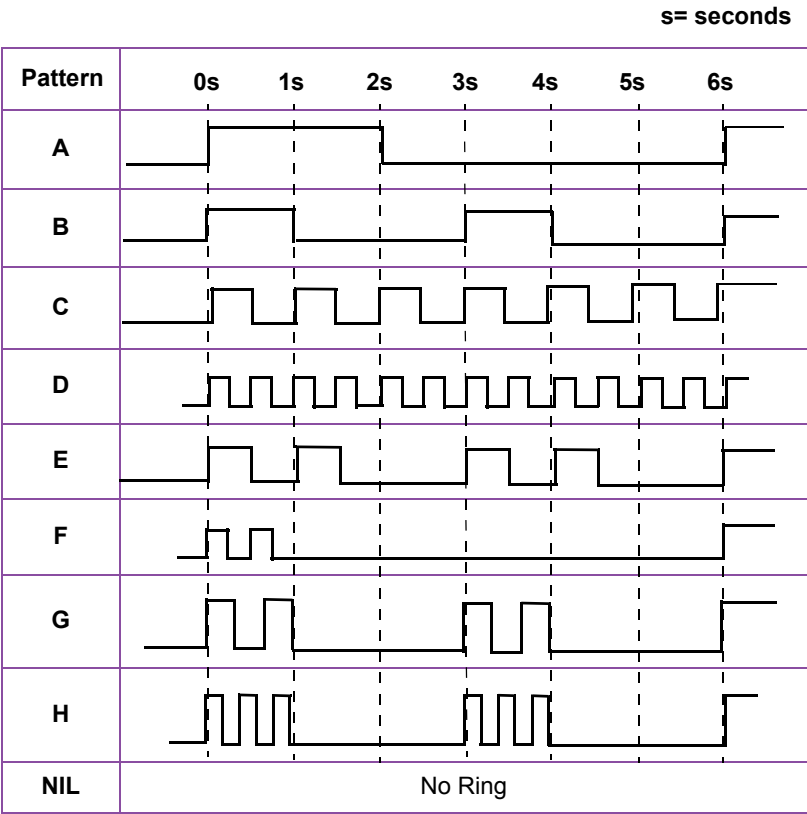
s= seconds

Pattern	0s 1s 2s 3s 4s 5s 6s
A	
B	
C	
D	
E	
F	
G	
H	
NIL	No Ring

Immediate Print-Out Selection for Telephone

System Mode
4
Submode
—
Data No.
56
PC Programming
Alt +**AS**

General Description

Use this memory block to enable/disable (per station) SMDR print-out after finishing CO/PBX call.

Display

```
Tel Port No.
(01~99)
A0~C0        Data                                    Setting
             No.          Title                      Data

    0  1  /                                          Y  S

            T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Ys	No		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑤ ⑥ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-5-13	Printer Connected Selection
1-5-23	Outgoing Mode Selection

1. This memory block is applicable for main software Release 4.0 and above.

CO Line Ringing Pattern by Telephone or CO Selection

General Description

Use this memory block to select if CO or Telephone is to have ring pattern.

Display

```
Tel Port
No.
(01~99)    Data                              Setting
A0~C0      No.        Title                  Data

0 1 / 5 7 : R N G P R I      C O

        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
CO	Telephone		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑤ ⑦ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option **Note:** Use the following to change option: [Conf] to move to the next Tel Port No.	**Default Values:** CO
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-67	CO Line Ringing Pattern Selection for CO/PBX Line Mode
4-53	CO Ringing Pattern Selection for Telephone Mode

1. This memory block is applicable for main software Release 4.0 and above.

Automated Attendant DID Assignment

General Description

Use this Memory Block to determine the action after a DID call arrives at an extension or CAR, and is not answered after predetermined time.

Display

Tel Port No. (01~99) A0~C0	Data No.	Title	Setting Data	Page No.

```
0 1 / 5 8 : D I D          N ON / 1
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
NON	AA1	AA2	AA3
LK 5	LK 6	LK 7	LK 8
AA4	AA5	AA6	AA7

Page 2   The shaded area indicates the default setting.

LK 9	LK 10	LK 11	LK 12
AA8			
LK 13	LK 14	LK 15	LK 16

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑤ ⑧ to access the Memory Block.
3	Press corresponding CO/PBX line key to change setting data 1. **Default Values** NON **Note:** Use the following to enter data: ✳ to move the cursor left # to move the cursor right [Conf] to move to the next Tel Port No For example, to assign AA6, press LK7 to display.
4	Press [Transfer] to write the data and display the next line key.
5	Repeat example and step 4 until all line key assignments are complete, and press [Transfer] to enter last data.
6	Press [Speaker] to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-4-02	Automated Attendant Transfer/DID Line - Delayed Ringing Time Selection

1. This Memory Block is applicable for main software Release 4.0 and above.

APR Hookflash Selection

General Description
Use this Memory Block to allow/deny Hookflash for an Analogue Port Adapter (APR) on a Multiline Terminal.

System Software S5500 or higher is required.

Display

```
        Tel Port
         No.            Data                            Setting
        (01~CO)         No.             Title            Data

        0 1 / 5 9 : H K   F L S H   N O

            T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
NO	YS		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑤ ⑨ to access the Memory Block.
3	Use the following to enter data: ✳ to move the cursor left # to move the cursor right ⓪ ~ ⑨ to enter numeric data or Tel Port No. **– OR –** Conf to go to next assigned Tel Port No. Redial +1 to enter A for Port Numbers 100~109 Redial +2 to enter B for Port Numbers 110~119 Redial +3 to enter C for Port Number 120
4	Press the corresponding CO/PBX line key to change the setting data option.
5	Press Transfer to write the data and display Memory Block 4-1 for next Tel Port No.
6	Program the next Tel Port No. or press Speaker To go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-02	Hookflash Time Selection
1-3-02	SLT Hookflash Signal Selection
4-40	APR Ring Mode Assignment
4-95	DTMF/DP SLT Type Selection

1. System Software version 5.0 or higher is required to support APR Hookflash.
2. Operation of SLT connected to APR is the same as the Single Line Telephone.

Station Name/Number Display Selection

System Mode
4
Submode
—
61
PC Programming
Alt +BTT

General Description

Use this Memory Block to specify whether the station name and/or station number shall be displayed on an idle Multiline telephone's LCD.

Display

Tel Port No. (01~99) A0~C0 | Data No. | Title | Setting Data

```
0 1 / 6 1 : L C D        N O N E
        T I M E   D I S P L A Y
```
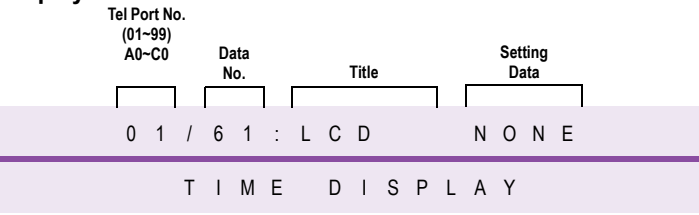
Settings

LK 1	LK 2	LK 3	LK 4
NONE	ICM	NAME	BOTH
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑥MNO ⑦ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change language option.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-10	Station Number Assignment
4-18	Station Name Assignment

1. Telephone ports A0~C0 are ports 100~120.
2. Press Redial + 1, 2, 3 = A, B, C for Port Number.

ISDN Extension-based Caller ID Assignment

System Mode
4
Submode
—
Data No.
62
PC Programming
Alt +BTT

General Description

This Memory Block provides the station DID Number (CPN, Calling Party Number) to the Network when placing outgoing calls.

System Software version 5.0 or higher is required.

Display

```
Tel Port No.     Data              Setting
(01~CO)          No.                Data

    0 1 / 6 2 :

         T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑥ ② to access the Memory Block.
3	Use the following to enter data: 　※ to move the cursor left. 　# to move the cursor right. 　⓪ ~ ⑨ to enter numeric data. **– OR –** Press Conf to go to the next TEL port number. Press Hold to clear data.
4	Press Transfer to write the data and display Memory Block 4-01.
5	Program Memory Block 4-01 or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-52	ISDN Trunk Directory Number Assignment
3-90	Trunk Type Selection
4-47	ISDN Directory Number Selection

1. A maximum of 13 digits is allowed.
2. Hyphens/dashes are not allowed when entering the directory number.
3. This Memory Block supports only trunks assigned as DID in Memory Block 3-90.
4. When using CO Line Mode, Memory Block 3-52 is used to assign the directory number of ISDN.

Code Restriction Class Assignment
CFVA Restricted Tel/Day Mode

Submode
4
System Mode
—
Data No.
64
PC Programming
Alt +AC

General Description

This Memory Block assigns class table for dialling restriction when using Trunk Route or Route Advance code.

System Software version 6.0 or higher is required.

Display

Tel Port No. (01~CO)	Data No.	Setting Data

```
0 1 / 6 4 : C L S   D A Y = 1 5
```
```
T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑥ ② to access the Memory Block.
3	Use the following to enter data: ✳ to move the cursor left. # to move the cursor right. ⓪ ~ ⑨ to enter numeric data. Setting Date (Allow): 00 (Class 0) to 15 (Class 15) **– OR –** Press Conf to go to the next TEL port number.
4	Press Transfer to write the data and display Memory Block 4-01.
5	Program Memory Block 4-01 or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-65	Code Restriction Class Assignment CFVA Restricted Tel/Night Mode
1-1-60	8-Digit Matching Table Assignment
1-1-61	8-Digit Matching Table to Class Assignment

Code Restriction Class Assignment CFVA Restricted Tel/Night Mode

Submode
4
System Mode
—
Data No.
65
PC Programming
[Alt] **+AC**

General Description

This Memory Block assigns class table for dialling restriction when using Trunk Route or Route Advance access code.

System Software version 6.0 or higher is required.

Display

```
Tel Port No.    Data                    Setting
 (01~CO)        No.                      Data

   0 1 / 6 5 : C L S    N T = 1 5

       T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑥ ② to access the Memory Block.
3	Use the following to enter data: ∗ to move the cursor left. # to move the cursor right. ⓪ ~ ⑨ to enter numeric data. Setting Date (Allow): 00 (Class 0) to 15 (Class 15) **– OR –** Press Conf to go to the next TEL port number.
4	Press Transfer to write the data and display Memory Block 4-01.
5	Program Memory Block 4-01 or press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
4-64	Code Restriction Class Assignment CFVA Restricted Tel/Day Mode
1-1-60	8-Digit Matching Table Assignment
1-1-61	8-Digit Matching Table to Class Assignment

SLT Data Line Security Assignment

General Description

Use this Memory Block to specify Normal/Data position for Single Line Telephones (SLTs).

Display

Tel Port No. (01~99) A0~C0	Data No.	Title	Setting Data

```
0 1 / 9 0 : S L T   N O R M A L
          T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
SLT Normal	SLT Data		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑨ ⑩ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option. Use the following to change option: Conf select next Tel Port No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. When connecting SLT/voice mail, assign SLT Normal. When connecting Fax/Modem, assign SLT Data.
2. If Multiline Terminal is assigned for Data Line Security, Tone Override and Call Alert Notification tones are not heard from the handset; however, the tone is still sent and heard from the speaker when off-hook.
3. Data Line Security denies a station from barging in, even if Barge-In is allowed in Class of Service.
4. If this Memory Block is set to SLT Data, the Voice Override tone is not heard when doing a Voice Over Split.
5. Telephone ports A0~C0 are ports 100~120.

Telephone Ringing Variation Selection

System Mode
4
Submode
—
Data No.
91
PC Programming
Alt **+BTM**

General Description

Use this Memory Block to assign a Low, Medium, or High ringing tone frequency if Telephone is specified in Memory Block 1-1-28 Distinctive Ringing by Telephone or CO Selection.

Display

Tel Port No.
(01~99)
A0~C0

Data
No.

Title

Setting
Data

```
0 1 / 9 1 : R N G T O N E   = M
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
Medium	Low	High	
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + (9) (1) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option. Use the following to change option: (Conf) select next Tel Port No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-28	Distinctive Ringing by Telephone or CO Selection

1. This block is applicable for telephones selected in Memory Block 1-1-28 Distinctive Ringing by Telephone or CO Selection.
2. Selected ringing tone (H, M or L) follows when transferring calls.
3. Telephone ports A0~C0 are ports 100~120.

Receiving Volume Selection

General Description

Use this Memory Block to specify whether receiving volume is returned to normal (DOWN) or kept as is (UP) on a call after hanging up.

Display

Tel Port No.
(01~99)
A0~C0   Data   Setting
               No.   Title   Data

| 0 1 / 9 2 : R C V   D O W N |
| T I M E   D I S P L A Y |

Settings

LK 1	LK 2	LK 3	LK 4
Down	Up		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + (9 WXYZ) (2 ABC) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option. Use the following to change option: (Conf) select next Tel Port No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-28	Distinctive Ringing by Telephone or CO Selection

1. Receiving Volume Down:
   Multiline Terminal: The volume (increased by (Feature) + 2) is reset when you hang up.
   Single Line Telephone: Normal.
2. Receiving Volume Up:
   Multiline Terminal: The volume (increased by (Feature) + 2) is not reset when you hang up.
   Single Line Telephone: The volume is increased 6 dB.
3. This feature applies to internal and external calls.
4. Telephone ports A0~C0 are ports 100~120.

Internal Zone Paging Selection

General Description

Use this Memory Block to place stations in Internal page zones.

Display

Tel Port No.
(01~99)
A0~C0

Data
No.

Title

Setting
Data

0 1 / 9 3 : Z O N E   N O

T I M E   D I S P L A Y

Settings

LK 1	LK 2	LK 3	LK 4
No	Zone A	Zone B	Zone C
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + (9) (3) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option. **Note:** Use the following to change option: (Conf) select next Tel Port No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. Specify one zone:
   All Internal Zones: Paged by dialling 51
   Zone A: Paged by dialling 52
   Zone B: Paged by dialling 53
   Zone C: Paged by dialling 54.
2. Telephones can be assigned to NO Zone. All Internal Zones page the telephone unless No Page Receive is assigned in Memory Block 4-31 Receiving Internal/All Call Page Selection.
3. All Internal Zones pages all of the idle Multiline Terminals.
4. Telephone ports A0~C0 are ports 100~120.

3-Minute Alarm Selection

General Description

Use this Memory Block to specify, per station, whether or not a warning signal tone is generated at 3-minute intervals during an outgoing or incoming CO/PBX call.

Display

Tel Port No.
(01~99)
A0~C0   **Data**   **Setting**
                   No.   **Title**   **Data**

0 1 / 9 4 : 3 m A L M   N O
T I M E   D I S P L A Y

Settings

LK 1	LK 2	LK 3	LK 4
No	Ys		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + (9 WXYZ) (4 GHI) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.
	Note: Use the following to change option:
	(Conf) select next Tel Port No.
4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. A 1-second (approximately) warning signal sounds every 3 minutes during CO/PBX calls.
2. The alarm tone is heard through the terminal speaker only.
3. If the built-in speakerphone is used for Handsfree, the warning signal is not used.
4. Telephone ports A0~C0 are ports 100~120.

DTMF/DP SLT Type Selection

General Description

Use this Memory Block to specify, per port, whether Dial Pulse or Dual-Tone Multifrequency Single Line Telephone is connected to the system.

Display

Tel Port No.
(01~99)
A0~C0
Data No.
Title
Setting Data

```
0 1 / 9 5 : S L T   = M F
        T I M E   D I S P L A Y
```

Settings

LK 1	LK 2	LK 3	LK 4
DP	DTMF (MF)		
LK 5	LK 6	LK 7	LK 8

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK4 + ⑨ ⑤ to access the Memory Block.
3	Press the corresponding CO/PBX line key to change data option.
	Note: Use the following to change option:
	Conf to select next Tel Port No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. The DP selection supports 10 pps or 20 pps.
2. Telephone ports A0~C0 are ports 100~120.

Digit Add/Del for Tie Line Networking

General Description

Use this Memory Block to specify the number of digits to be added to and/or deleted from the telephone number sent from a distant system over Tie lines or from DID lines. The digits enable the system to determine whether a call is directed to itself (local) or to another system (distant). Refer to the Notes.

Display

Trunk Group No.(01~32)	Data No.	Title	Setting Data

```
0 1 / 0 0 : A D D / D E L 0 0 0
      T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK5 + (Transfer) + (0 OPER) (0 OPER) to access the Memory Block.
3	Press the corresponding CO/PBX line key to enter the data.
	Note: Use the following to enter data:
	(*) to move the cursor left
	(#) to move the cursor right
	(0 OPER) ~ (9 WXYZ) to enter numeric data
	(Conf) to go to the next Trunk Group No.
	Setting Data:
	000 : No Addition or Deletion
	001~009 : [1]~[9] Addition
	010 : [0] Digit Addition
	100~199 : [00]~[99} Addition
	201 : 1 Digit Deletion
	202 : 2 Digit Deletion
	301~309 : 1 digit Delete and 1~9 Add
	310 : 1 digit Delete and 0 Add
	400~499 : 1 digit Delete and 00~99 Add
	501~509 : 2 digit Delete and 1 ~ 9 Add
	510 : 2 digit Delete and 0 Add
	600~699 : 2 digit Delete and 00 ~99 Add
4	After entering all data for all pages, press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
3-03	Trunk-to-Trunk Group Assignment

1. This Memory Block applies only when two or more systems are connected by Tie lines or when the systems are connected by a DID line.

2. If the call is intended for another system, the Tie line is directed to resend the number.

3. At default, DID lines are not assigned to a Trunk Group.

4. This Memory Block affects T1 channels assigned as Tie/DID lines.

Tie Line Networking Tandem Connection Assignment

General Description

Use this Memory Block to specify whether or not Trunk Groups connected to the system allow incoming Trunk Groups to be connected to outgoing Trunk Groups for tandem connections.

Display

```
(Incoming)
Trunk Group No.   Data                                    Setting
  (01~32)          No.              Title                  Data
```

```
0 1 / 0 1 : T A N D E M      | 0 1

     T I M E    D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
01	02	03	04
LK 5	LK 6	LK 7	LK 8
05	06	07	08

(Page 2)

LK 1	LK 2	LK 3	LK 4
09	10	11	12
LK 5	LK 6	LK 7	LK 8
13	14	15	16

(Page 3)

There is no default setting.

LK 1	LK 2	LK 3	LK 4
17	18	19	20
LK 5	LK 6	LK 7	LK 8
21	22	23	24

(Page 4)

LK 1	LK 2	LK 3	LK 4
25	26	27	28
LK 5	LK 6	LK 7	LK 8
29	30	31	32

Programming Procedures

1	Go off-line.
2	Press LK5 + (Transfer) + (0 OPER) (1) to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. Operation data includes:

CO/PBX Line LED	Off	On
Data	No	Yes

There is no default setting.

Note: Use the following to enter data:

  (✱) to move the cursor left

  (#) to move the cursor right

  (Recall) to go to the next page

  (Feature) to go to the previous page

  (Conf) to go to the next Trunk Group No.

4	Press (Transfer) to write the data.
5	Press (Speaker) to go back on-line.

Related Programming

M.B. Number	Memory Block Name
3-03	Trunk-to-Trunk Group Assignment
4-09	Telephone to Tenant Assignment

Tandem connection of Trunk Group-to-Trunk Group must be specified separately.

8-Digit Matching Table to Trunk Group Assignment

General Description

Use this Memory Block to assign each Trunk Group to the 8-Digit Matching Tables.

Display

Trunk Group No. (01~32)	Data No.	Title	Page No.

```
0 1 / 0 2 :  8 D G = T R K G  |  1
        T I M E   D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Table 00	Table 01	Table 02	Table 03
LK 5	LK 6	LK 7	LK 8
Table 04	Table 05	Table 06	Table 07

(Page 2)   There is no default setting.

LK 1	LK 2	LK 3	LK 4
Table 08	Table 09	Table 10	Table 11
LK 5	LK 6	LK 7	LK 8
Table 12	Table 13	Table 14	Table 15

Programming Procedures

1	Go off-line.
2	Press LK5 + [Transfer] + [0 OPER] [2 ABC] to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. Operation data includes:

CO/PBX Line LED	Off	On
Data	Disabled	Enabled

The shaded area indicates the default setting.

Note: Use the following to enter data:
- ✱ to move the cursor left
- ＃ to move the cursor right
- [Recall] to go to the next page
- [Feature] to go to the previous page
- [Conf] to go to the next Trunk Group No.

4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Related Programming

Refer to Section 6   Code Restriction in this chapter.

OCC Table to Trunk Group Assignment

General Description

Use this Memory Block to assign each of the 16 OCC Tables to each Trunk Group.

Display

Trunk Group No. (01~32) Data No. Title Page No.

```
0 1 / 0 3 : O C C = T R K G | 1

      T I M E    D I S P L A Y
```

Settings

(Page 1)

LK 1	LK 2	LK 3	LK 4
Table 00	Table 01	Table 02	Table 03
LK 5	LK 6	LK 7	LK 8
Table 04	Table 05	Table 06	Table 07

(Page 2)   There is no default setting.

LK 1	LK 2	LK 3	LK 4
Table 08	Table 09	Table 10	Table 11
LK 5	LK 6	LK 7	LK 8
Table 12	Table 13	Table 14	Table 15

Programming Procedures

1	Go off-line.
2	Press LK5 + Transfer + 0 3 to access the Memory Block.
3	Press the corresponding CO/PBX line key to enter the data. Operation data includes: **Default Values** Use all tables

CO/PBX Line LED	Off	On
Data	Disabled	Enabled

The shaded area indicates the default setting.

Note: Use the following to enter data:
- ✳ to moves the cursor left
- # to moves the cursor right
- Recall to go to the next page
- Feature to go to the previous page
- Conf to go to the next Trunk Group No.

4	After entering all data for all pages, press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

Refer to Section 6   Code Restriction in this chapter.

Tenant Mode Copy Assignment

General Description

Use this Memory Block to enable copying data from one tenant to another tenant or multiple consecutive tenants.

Display

	Title	Setting Data	

T N A T	— — →
T I M E D I S P L A Y	
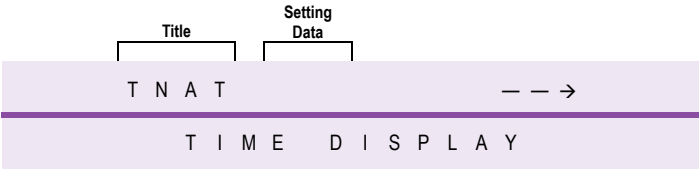
Programming Procedures

1	Go off-line.
2	Press LK6 + LK2 to access the Memory Block.
3	Enter the tenant to be copied.
	Note: Use the following to enter data:
	⓪ ~ ⑨ to enter numeric data
	Hold to clear all data when placed at cursor position

Related Programming

No related programming is necessary for this Memory Block.

Example: To copy data of Tenant 00 to Tenant 05~07:

1. Enter the original Tenant No. Using the dial pad, press ⓪ ⓪ .

T N A T 0 0	— — →
T I M E D I S P L A Y	
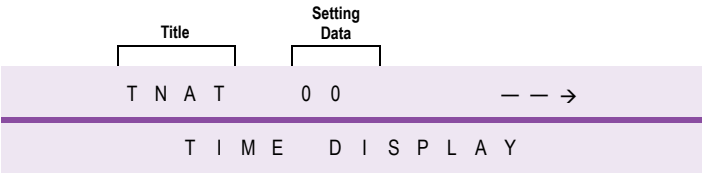
2. Press Transfer .
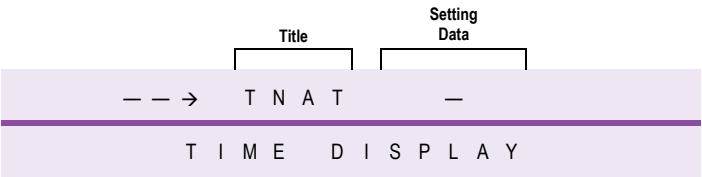
— — →   T N A T   —
T I M E   D I S P L A Y

3. Enter the beginning of the tenant (00~47) range to be copied to. Using the dial pad, press ⓪ ⑤ .

— — →   T N A T   0 5 —
T I M E   D I S P L A Y
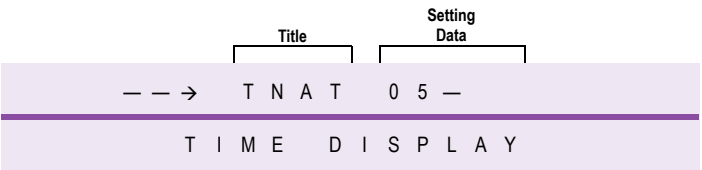
4. Enter the end of the tenant (00~47) range to be copied to. Using the dial pad, press ⓪ ⑦ .

	Title	Setting Data

```
— —  →    T N A T    0 5 — 0 7

          T I M E    D I S P L A Y
```

5. Press ⟨Transfer⟩ .

CO Line Mode Copy Assignment

System Mode
6
Submode
3
Data No.
—

General Description

Use this Memory Block to enable copying data from one CO/PBX line to another CO/PBX line or multiple consecutive CO/PBX lines.

Display

```
        Title      Setting
                    Data
        ┌──┐     ┌─────┐
        C O                                    — — →
        ─────────────────────────────────────────
              T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK6 + LK3 to access the Memory Block.
3	Enter the CO/PBX line to be copied.
	Note: Use the following to enter data:
	⓪ ~ ⑨ to enter numeric data
	Hold to clear all data when placed at cursor position

Related Programming

No related programming is necessary for this Memory Block.

Example: To copy data of CO/PBX line 01 to CO/PBX line 05~07:

1.   Enter the original CO/PBX No. Using the dial pad, press ⓪ ⑦ .

```
          Title    Setting
                    Data
          ┌──┐    ┌─────┐
          C O    0 1                          — — →
          ─────────────────────────────────────────
                T I M E    D I S P L A Y
```

2.   Press Transfer .

```
                 Title     Setting
                            Data
                 ┌──┐    ┌─────┐
          — — →   C O              —
          ─────────────────────────────────────────
                T I M E    D I S P L A Y
```
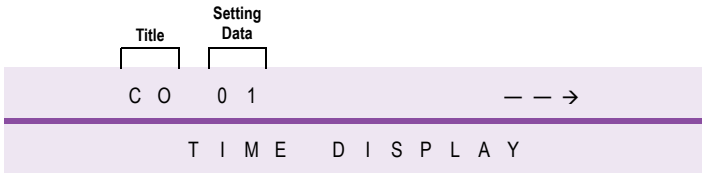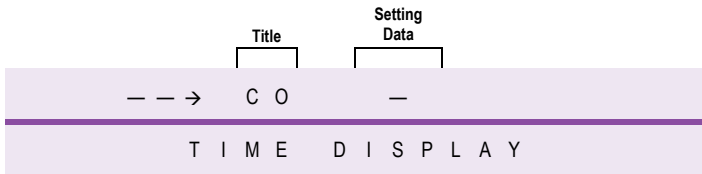
3.   Enter the beginning of the CO/PBX (02~64) range to be copied to. Using the dial pad, press ⓪ ⑤ .

```
                 Title     Setting
                            Data
                 ┌──┐    ┌─────┐
          — — →   C O    0 5 —
          ─────────────────────────────────────────
                T I M E    D I S P L A Y
```
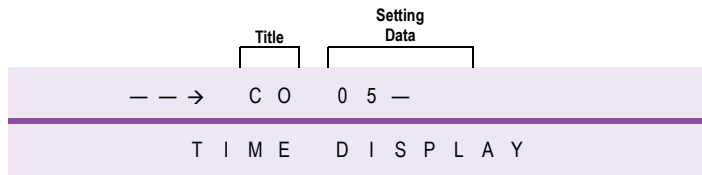
4.   Enter the end of the CO/PBX (02~64) range to be copied to. Using the dial pad, press ⓪ ⑦ .

Title   **Setting Data**

— — →   C O   0 5 — 0 7

T I M E   D I S P L A Y

5.   Press ⟦Transfer⟧ .

Telephone Mode Copy Assignment

6
Submode
4
Data No.
—

General Description

Use this Memory Block to enable copying data from one telephone port to another telephone port or multiple consecutive telephone ports.

Display

```
        Title      Setting
                    Data

    T E L                        — — →

        T I M E    D I S P L A Y
```
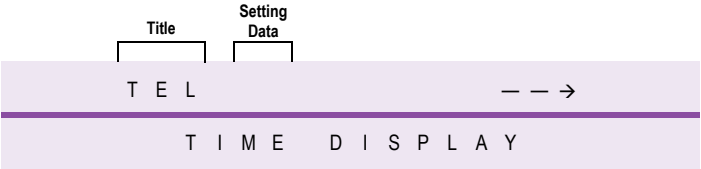
Programming Procedures

1	Go off-line.
2	Press LK6 + LK4 to access the Memory Block.
3	Enter the Tel. Port No. to be copied.
	Note: Use the following to enter data:
	🄌 ~ 🄎 to enter numeric data
	Hold to clear all data when placed at cursor position

Related Programming

No related programming is necessary for this Memory Block.

Example: To copy data of telephone port 10 to telephone ports 20~30:

1. Enter the original Tel. No. Using the dial pad, press 🄌 🄌 .

```
        Title      Setting
                    Data

    T E L                        — — →

        T I M E    D I S P L A Y
```

2. Press Transfer .

```
                Title    Setting
                          Data

    — — →    T E L    —

        T I M E    D I S P L A Y
```
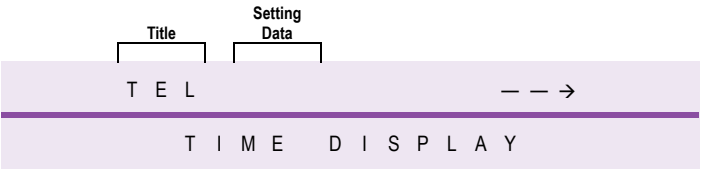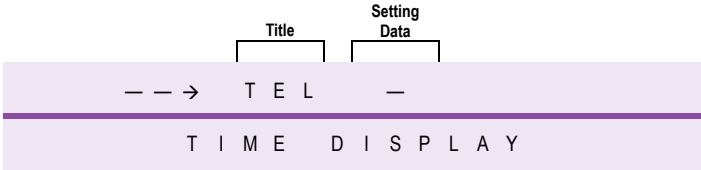
3. Enter the beginning of the Tel. Port No. (01~C0) range to be copied to. Using the dial pad, press ② 🄌 .

```
                Title    Setting
                          Data

    — — →    T E L    2 0 —

        T I M E    D I S P L A Y
```
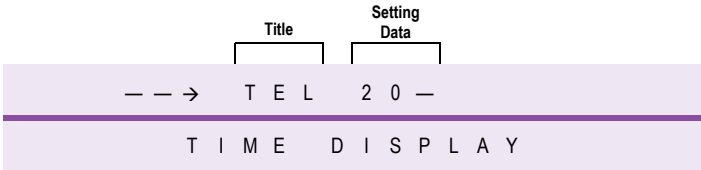
4.   Enter the end of the Tel. Port No. (01~C0) range to be copied to. Using the dial pad, press ③ ⓪ .

	Title	Setting Data
— — →	T E L	2 0 — 3 0
	T I M E	D I S P L A Y

5.   Press ⌷Transfer⌷ .

Trunk Group Mode Copy Assignment

General Description

Use this Memory Block to enable copying data from one Trunk Group to another Trunk Group or multiple consecutive Trunk Groups.

Display

	Title		Setting Data	

```
    T R K    G P                  — — →
         T I M E    D I S P L A Y
```
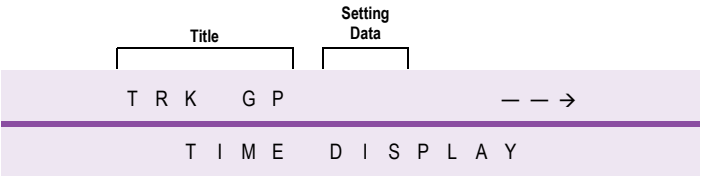
Programming Procedures

1	Go off-line.
2	Press LK6 + LK5 to access the Memory Block.
3	Enter the Trunk Group to be copied.
	Note: Use the following to enter data:
	⓪ ~ ⑨ to enter numeric data
	Hold to clear all data when placed at cursor position

Related Programming

No related programming is necessary for this Memory Block.

Example: To copy data of Trunk Group 01 to Trunk Groups 10~14:

1.   Enter the original Trunk Group using the dial pad; press **01~32**.

```
    T R K    G P       0 1       — — →
         T I M E    D I S P L A Y
```

2.   Press ⟨Transfer⟩ .

```
    — — → T R K    G P       —
         T I M E    D I S P L A Y
```
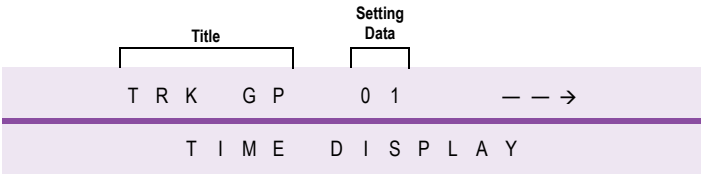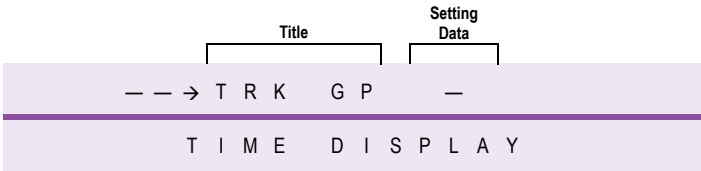
3.   Enter the Start Trunk Group No. (01~32). Using the dial pad, press ① ⓪ .

```
    — — → T R K    G P    1 0 —
         T I M E    D I S P L A Y
```
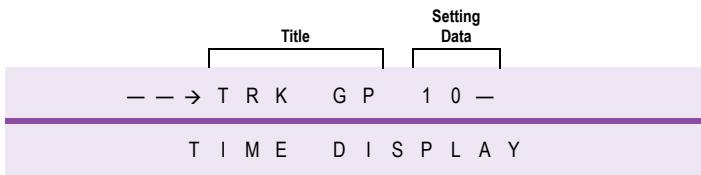
4.   Enter the End Trunk Group (01~32). Using the dial pad, press ① ④ .

Title   **Setting Data**

```
— —  →  T R K     G P     1 0 — 1 4

        T I M E     D I S P L A Y
```

5.   Press [Transfer] .
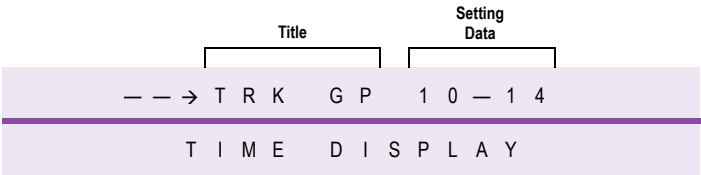
Card Interface Slot Assignment

General Description

Use this Memory Block to specify the type of installed ETUs.

Display

Data No.	Title	Setting Data

```
0 1 : D P   I N T E R          B
```
```
        T I M E   D I S P L A Y
```

Display

Page No.	Upper Slot No. 09~16 (A)	Unit Name	Port No.

```
1   0 9 :                      =
```
```
1   0 1 :
```

Cabinet No. 1~3   Lower Slot No. 01~08 (B)   Unit Name   Port No.

Programming Procedures

1	Go off-line.
2	Press LK7 + LK1 to access the Memory Block.

Programming Procedures (Continued)

3	Use the Line key to enter data.The following is the operation data:

Page 1

Line Key	Setting Data	LCD Indication
1	NON	
2	*COI(4)-U13 (NZ U19)*	COI 4
3	COI(8)-U13 (NZ U19)	COI 8
4	NON	
5	COID(4)-U13 (NZ U19)	COID 4
6	COID(8)-U13 (NZ U19)	COID 8
7	TLI(2)-U13	TLI
8	DID(4)-U13 (NZ N/A)	DID

Page 2

Line Key	Setting Data	LCD Indication
1	ESI(8)-U13	ESI
2	NON	
3	SLI(8)-U13 CNF(8)-U13 (Note **18)**	SLI
4	OPX(2)UB	OPX *
5	VDH2(8)-U13	VDH
6	DPH(4)-U13	DPH
7	PBR( )-U13	PBR
8	ECR-U13	ECR

Page 3

Line Key	Setting Data	LCD Indication
1	VRS(4)-U13	VRS
2		
3	VMS(2/4)-U13	VMS 4
4	VMS(8)-U13	VMS 8
5	BRT(4)-U13	BRT
6	NON	
7	PRI(1)-U13	PRT
8	MIFM-U13	MIFM

Page 4

Line Key	Setting Data	LCD Indication
1	MIFA-U13	MIFA
2	NON	
3	BSC-U13	
4	BIU(2)-U13	
5	NON	
6	NON	
7	BSU(2)-U13	BSU2*
8	SLI(4)-U13	SLI4*

* Software Version 2.x or higher

Note: Use the following to enter data:

- ✳ to move the cursor left
- # to move the cursor right
- ⓪ ~ ⑨ to enter numeric data
- Recall to go to the next page
- Feature to go to the previous page
- Enter Slot No. A using dial pad (9)
- Enter Slot No. B using dial pad (0)

4	To assign upper Slot No. for PRI(1)-13, press Redial and enter the first number of the next block of 4 ports.
5	Press Transfer to write the data.
6	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
1-1-46	Access Code (1-Digit) Assignment
3-03	Trunk-to-Trunk Group Assignment
7-3-00	MIF (ACD) Assignment
7-3-01	MIF (LCR) Assignment
7-3-02	MIF (SMDR) Assignment
7-3-03	MIF (UCD) Assignment
7-3-04	MIF (Caller ID) Assignment

1. ETU Interface cards are assigned automatically during initial power up.

2. ESI(8)-U13 ETU with ports 01 and 02 cannot be changed.

3. If system port capacity is exceeded when an ETU is installed, ERROR is displayed on the LCD, and pressing the Transfer key will not accept the setting.

4. The PRT(1)-U13 ETU must be installed in Slot S4 of the first KSU or Slot S1 of the second KSU of a Xen Master system, or Slot S4 of the Xen Axis system.

5. The PRT(1)-U13 ETU must be assigned in both the supper and lower portions of each slot. When the PRT(1)-U13 ETU is first assigned in a slot, the lower slot is automatically assigned with the first number of the first block of four PRI ports. Press ⌈Redial⌉ and enter the upper slot number, which is the first number of the next block of four PRI channels. Press ⌈Transfer⌉ and repeat this process for each slot after the PRT(1)-U13 ETU, for as many slots as are required to accommodate the number of channels provided by the PRI service. Each slot supports 8 channels. Next program Memory Block 1-13-00.

   PRI(10) = occupies 2 slots in total

   PRI(20) = occupies 3 slots in total

   PRI(30) = occupies 4 slots in total

6. When changing an interface slot assignment to a different ETU, use the following procedure:

   a. Remove the ETU installed in the slot.

   b. Program the slot for the new ETU in this Memory Block.

   c. Install the new ETU.

7. The COID(4)-U13 (NZ - U19), COID(8)-U13 (NZ - U19) and BRT(4)-U13 ETUs must be installed in Slots S1~S4 of the first or second KSU of a Xen Master system, or Slots S3~S4 of a Xen Axis system.

8. When a PRT or BRT ETU is installed, a CLK G( )-U13 Unit must be fitted to the CPU B( )-U13/MBD-U13 KSU.

9. The VMS(2)-U13 ETU must be assigned as a VMS(4)-U13 ETU in this Memory Block.

10. The B64-U13 KSU also has one ISA application slot.

11. The B48-U13 KSU of the Xen Axis system has five universal slots and one ISA application slot.

12. The MIFM-U13 or MIFA-U13 ETU must be installed in the ISA slot or Slots S1and S2 of the B64-U13 KSU (Xen Master), or the ISA slot S2 of the B48-U13 KSU (Xen Axis).

13. The MIFM-U13 ETU has an optional built-in modem that works only when the MIFM-U13 ETU is installed in slots S1 or Sw.

14. The MIFA-U13 ETU (with KMA( )UA installed) has an ACD-MIS output that works only when the MIFA-U13 ETU is installed in the ISA slot (not an interface slot).

    Note: The ACD is not supported by the Xen Axis system.

15. If both ACD-MIS and Remote PC Programming via the MIF-Modem are required, install the MIFA-U13 ETU in the ISA slot and the MIFM-U13 ETU in interface slots S1 or S2.

    Note: The ACD is not supported by the Xen Axis system.

16. Any interface circuit ETU occupies eight ports regardless of the number of circuits contained on that ETU.

17. Refer to the Xen Hardware Manual or Xen Features and Specifications Manual for more information.

18. CNF(8)-13 must be assigned using SLI (8) Setting Data in MB 7-1. System software recognises and assigns CNF(8) as SLI(8) at start-up.

Each Conference Card added to the system requires to be assigned as an SLI Card.

Table 1-4 Card Interface Slot Assignment - Xen Master

KTU Unit	Port (*1)	Upper (*2)	Slot (*3)								
			ISA	1	2	3	4	5	6	7	8
ESI(8)-U13	T	X		O	O	O	O	O	O	O	O
SLI(8)-U13/CNF(8)-U13	T	X		O	O	O	O	O	O	O	O
COI(8)-U13 (NZ - U19)	C	X		O	O	O	O	O	O	O	O
COI(4)-U13 (NZ - U19)	C	O		O	O	O	O	O	O	O	O
DID(4)-U13 (NZ - N/A)	C	O		O	O	O	O	O	O	O	O
TLI(2)-U13	C	O		O	O	O	O	O	O	O	O
VDH2(8)-U13	T			O	O	O	O	O	O	O	O
PBR( )-U13	–	X		O	O	O	O	O	O	O	O
DPH(4)-U13	–			O	O	O	O	O	O	O	O
ECR-U13	–	X		O	O	O	O	O	O	O	O
VMS(2/4)-U13	T			O	O	O	O	O	O	O	O
VMS(8)-U13	T			O	O	O	O	O	O	O	O
VRS(4)-U13	V	X		O	O	O	O	O	O	O	O
COID(4/8)-U13 (NZ - U19)	C	X		O	O	O	O				
BRT(4)-U13	C			O	O	O	O				
PRT(1)-U13	C			O1			O2				
BSC-U13	–							O			
BIU(2)-U13	–								O	O	O
MIFA-U13	–	X	O	O	O						
MIFM-U13	–	X	O	O	O						
BSU(2)-U13	–			O	O	O	O	O	O	O	O
OPX(2)-U13	–			O	O	O	O	O	O	O	O
SLI(4)-U13	T	X		O	O	O	O	O	O	O	O
FMS(2/4)-U13	T		O	O	O	O	O	O	O	O	O

*1 C :Port Number of CO/PBX Line

T :Telephone Port Number (smallest number is displayed)

V :Voice Recording Service Package

– :No Display

*2 O :When the ETU is assigned to a lower slot, it can be assigned also to an upper slot in the same manner

X :When the ETU is assigned to a lower slot, it cannot be assigned to another unit in an upper slot.

*3 O :Enabled

Space :Disabled

1:E64

2:B64

Table 1-5 Card Interface Slot Assignment - Xen Axis

KTU Unit	Port (*1)	Upper (*2)	Slot (*3)					
			2 (ISA)	3	4	5	6	7
ESI(8)-U13	T	X		O	O	O	O	O
SLI(8)-U13/CNF(8)-U13	T	X		O	O	O	O	O
COI(8)-U13 (NZ - U19)	C	X		O	O	O	O	O
COI(4)-U13 (NZ - U19)	C	O		O	O	O	O	O
DID(4)-U13 (NZ - N/A)	C	O		O	O	O	O	O
TLI(2)-U13	C	O		O	O	O	O	O
VDH2(8)-U13	T		O	O	O	O	O	O
PBR( )-U13	-	X	O	O	O	O	O	O
DPH(4)-U13	-			O	O	O	O	O
ECR-U13	-	X		O	O	O	O	O
VMS(2/4)-U13	T		O	O	O	O	O	O
VMS(8)-U13	T		O	O	O	O	O	O
VRS(4)-U13	V	X	O	O	O	O	O	O
COID(8)-U13 (NZ - U19)	C	X		O	O			
COID(4)-U13 (NZ - U19)	C	O		O	O			
BRT(4)-U13	C			O	O			
PRT(1)-U13	C				O			
BSC-U13	–					O		
BIU(2)-U13	–						O	O
MIFA-U13	–	X	O					
MIFM-U13	–	X	O					
BSU(2)-U13	–			O	O	O	O	O
OPX(2)-U13	–			O	O	O	O	O
SLI(4)-U13	T	X		O	O	O	O	O
FMS(2/4)-U13	T		O	O	O	O	O	O

*1 C :Port Number of CO/PBX Line

T :Telephone Port Number (smallest number is displayed)

V :Voice Recording Service Package

– :No Display

*2 O :When the ETU is assigned to a lower slot, it can be assigned also to an upper slot in the same manner

X :When the ETU is assigned to a lower slot, it cannot be assigned to another unit in an upper slot.

*3 O :Enabled

Space :Disabled

Telephone Type Assignment

General Description

Use this Memory Block to specify the type of device that is connected to an ESI port.

Display

```
ESI
Port No.
(01~96)                  Setting Data

0 1 : T E L

         T I M E   D I S P L A Y
```
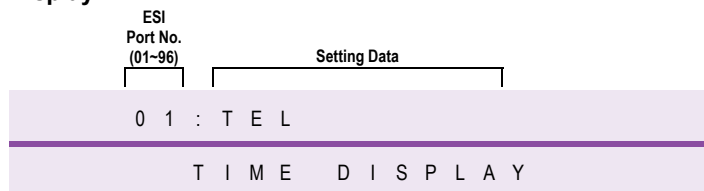
Settings

LK 1	LK 2	LK 3	LK 4
Non	Telephone	DSS Console	SLT Adapter
LK 5	LK 6	LK 7	LK 8
		Digital Voice Mail	

The shaded area indicates the default setting.

Programming Procedures

1	Go off-line.
2	Press LK7 + LK2 to access the Memory Block.
3	To change data, press the corresponding CO/PBX line key. **Note:** Use the following to enter data: Conf : Next Tel Port No.
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Related Programming

M.B. Number	Memory Block Name
	Refer to Chapter 2 Guide to Feature Programming.

1. Only Multiline Terminals can be assigned to ports 01 and 02.
2. A maximum of four Attendant Add-On Consoles can be installed in the system.
3. A maximum of eight SLT(1)-U13 ADP adapters can be installed in the system.
4. A maximum of eight Digital Voice Mail ports are available.
5. When assigning SLT adapters or Digital Voice Mail ports, Memory Block 4-10 Station Number Assignment must be reassigned also.
6. If more than one DSS console is assigned, make sure that the order of assignment is as follows:

   ✆ DSS1 must always be a lower port than DSS2

   ✆ DSS2 must be a lower port than DSS 3

   ✆ DSS3 must be a lower port than DSS 4

MIF (ACD) Assignment

General Description

Use this Memory Block to enable the Automatic Call Distribution (ACD) function of the MIFA-U13 ETU.

Display

Data No.	Title		Setting Data

```
0 0 : A C D          M I F = 0 0

          T I M E   D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK7 + LK3 to access the Memory Block.	

3	Use the dial pad to enter data.
	
	Note: Use the following to enter data:
	  ⊛ to move the cursor left
	  ⌗ to move the cursor right
	  ⓪ ~ ⑨ to enter numeric data
	Setting Data 00, 01, 02
		Default Values
		No Assignment (00)

4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

1. The ACD feature requires a KMA(1.0)U unit to be installed on the MIFA-U13 ETU.
2. ACD is **not** supported on the Xen Axis system.

MIF (LCR) Assignment

General Description

Use this Memory Block to enable the Least Cost Routing (LCR) function of the MIFM-U13 ETU.

System Mode
7
MIF
3
Data No.
01
PC Programming
Alt **+BS**

Display

Data No.	Title	Setting Data

```
0 1 : L C R        M I F = 0 0

        T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.	
2	Press LK7 + LK3 + ⓪ ⑦ to access the Memory Block.	

3	Use the dial pad to enter data.
	Note: Use the following to enter data:
	  ✳ to move the cursor left
	  ＃ to move the cursor right
	  ⓪ ~ ⑨ to enter numeric data
	Setting Data 00, 01, 02
		Default Values
		No Assignment (00)

4	Press Transfer to write the data.	
5	Press Speaker to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

1. The LCR feature requires a KMM(1.0)U unit to be installed on the MIFM-U13 ETU.
2. SMDR feature is enabled automatically when LCR is set to 01.

MIF (SMDR) Assignment

General Description

Use this Memory Block to enable the Station Message Detail Reporting (SMDR) function on the MIFM-U13 ETU.

Display

Data No.	Title		Setting Data

```
0 2 : S M D R        M I F = 0 0
         T I M E   D I S P L A Y
```

System Mode
7
MIF
3
Data No.
02
PC Programming
[Alt] **+BS**

Programming Procedures

1	Go off-line.	
2	Press LK7 + LK3 + ⊛ + ⊛ + ⓪ ② to access the Memory Block.	
3	Use the dial pad to enter data. **Note:** Use the following to enter data: ⊛ to move the cursor left ⌗ to move the cursor right ⓪ ~ ⑨ to enter numeric data **Setting Data 00, 01, 02**	**Default ValuesDefault Value** No Assignment (00)
4	Press (Transfer) to write the data.	
5	Press (Speaker) to go back on-line.	

Related Programming

No related programming is necessary for this Memory Block.

MIF (UCD) Assignment

General Description

Use this Memory Block to enable the Uniform Call Distribution (UCD) function on the MIFA-U13 ETU.

Display

Data No.	Title	Setting Data

```
0 3 : U C D        M I F = 0 0
         T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK7 + LK3 + ✱ + ✱ + ⓪ ③ to access the Memory Block.
3	Use the dial pad to enter data.
	Note: Use the following are used when entering data:
	✱ to move the cursor left
	# to move the cursor right
	⓪ ~ ⑨ to enter numeric data
	Setting Data 00, 01, 02
4	Press Transfer to write the data.
5	Press Speaker to go back on-line.

Default Values

No Assignment (00)

Related Programming

No related programming is necessary for this Memory Block.

MIF (Caller ID) Assignment

System Mode
7
MIF
3
Data No.
04
PC Programming
[Alt]**+BS**

General Description

Use this Memory Block to enable the Caller ID scrolling or outdial function on the MIFM-U13 ETU. Basic Caller ID works without an MIFM-U13 ETU installed.

Display

Data No.	Title	Setting Data

```
0 4 : C L A S S      M I F = 0 0
         T I M E    D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK7 + LK3 + Ⓐ + Ⓐ + Ⓞ Ⓖ to access the Memory Block.
3	Use the dial pad to enter data.
	Note: Use the following to enter data:
	Ⓐ to move the cursor left
	Ⓗ to move the cursor right
	Ⓞ ～ Ⓦ to enter numeric data
	Setting Data 00, 01, 02
4	Press [Transfer] to write the data.
5	Press [Speaker] to go back on-line.

Default Values
No Function (00)

Related Programming

No related programming is necessary for this Memory Block.

Caller ID scrolling and outdial must have the KMM(XXX)U installed on the MIFM-U13 ETU.

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ROM Version Confirmation

General Description

Use this Memory Block to confirm the program version without removing the card from the KSU.

Display

```
            Software Package Name                      ROM Version

     S P 1 7 7                  : M M C = 0 1

     1 - 0 C : C P U    = 1 . 0 0

     Frame      Slot No.      Unit Name      ROM Version of
     No.        C, 1~8                       CPU
     1~3        A, B
```

Programming Procedures

1	Go off-line.
2	Press LK8 + LK1 to access the Memory Block.
3	Press the corresponding CO/PBX line key to change the data option. **Note:** Use the following to enter data: Recall to change from one operating system to the next operating system Enter 1 ~ 8 (TUV) = Frame No. 1~3, Slot No 1~8 9 (WXYZ) = Slot Number A 0 (OPER) = Slot Number B Recall = Slot Number C

4	Press Transfer and the type of unit, in the order of slot number and ROM version is displayed each time a CO/PBX line key is pressed.
	
	`          0 9 :                    = 0 0`
	
	`          1 — 0 1 : B R T   4      = 0 0`

Programming Procedures (Continued)

| 5 | Frame number, slot number, interface name, and ROM Version are shown on the display. There are three display patterns. |

1) For basic frame (frame 1 or slot C) CPU:

```
        S P 6 0              : M M C = 0 1

        1 - 0 C : C P U    = 1 . 0 2
```

Frame No. 1~3 | Slot No. C, 1~8 A, B | Unit Name | ROM Version of CPU

2) For slot C of expansion frame:

```

        1 —      : O C :          = 0 1
```

3) For another slot type:

Upper Slot No. 9~16 | Unit Name | ROM Version

```
        0 9 : N O N        = 0 0

        1 — 0 1 : B R T   4    = 0 0
```

Frame No. 1~3 | Lower Slot No. 1~8, (A, B) | Unit Name | ROM Version No. 01~15

| 6 | Press (Transfer) to write the data. |
| 7 | Press (Speaker) to go back on-line. |

Related Programming

No related programming is necessary for this Memory Block.

System Speed Dial Memory Clear

General Description

Use this Memory Block to clear all System Speed Dial programming.

Before programming this procedure, please ensure you understand completely the affect of erasing all System Speed Dial buffers in the system.

Display

C L R   S Y S   S P D   ?
T I M E   D I S P L A Y

Programming Procedures

1	Go off-line.
2	Press LK8 + LK2 to access the Memory Block.
3	When the system display prompt indicates CLR TEL SPD?, the first four CO/PBX lines light red. **Linekey** **Linekey** **Linekey** **Linekey** ○ ○ ○ ○ Red Red Red Red
4	Press (8) (1) (8) (9) to enter the fixed password. **Note:** When entering the password the top line of CO/PBX LEDs change from red to green each time a number of the password is pressed. (8) = **Linekey** Green **Linekey** Red **Linekey** Red **Linekey** Red (1) = **Linekey** Green **Linekey** Green **Linekey** Red **Linekey** Red (8) = **Linekey** Green **Linekey** Green **Linekey** Green **Linekey** Red (9) = **Linekey** Green **Linekey** Green **Linekey** Green **Linekey** Green
5	Press (Transfer) to write the data.
6	Press (Speaker) to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Station Speed Dial Memory Clear

Use this Memory Block to clear the Station Speed Dial memories of all programmed Speed Dial numbers.

Before programming this procedure, please ensure you understand completely the affect of erasing all Station Speed Dial buffers in the system.

System Mode
8
Spd-Clr-Sta
3
Data No.
—
PC Programming
Alt +**BE**

Display

```
C L R   T E L   S P D   ?
T I M E     D I S P L A Y
```

Programming Procedures

1	Go off-line.
2	Press LK8 + LK3 to access the Memory Block.
3	When the system display prompt indicates CLR TEL SPD?, the first four CO/PBX lines light red. Linekey Red Linekey Red Linekey Red Linekey Red
4	Press 8 2 9 9 to enter the fixed password. **Note:** When entering the password the top line of CO/PBX LEDs change from red to green each time a number of the password is pressed. 8 = Green Red Red Red 2 = Green Green Red Red 9 = Green Green Green Red 9 = Green Green Green Green
5	Press Transfer to write the data.
6	Press Speaker to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Second Initialisation

	System Mode **8** *CO-Line* **8** *Data No.* **8800** *PC Programming* Alt +CI

General Description

Use this Memory Block to initialize all the system hardware. All system software and user programming are retained after the Second Initialization.

Display

C P U   R E S E T   ?
T I M E   D I S P L A Y

Programming Procedures

1	Go off-line.
2	Press LK8 + LK8 + (8 TUV) (8 TUV) (0 OPER) (0 OPER) to access the Memory Block.
3	When the system display prompt indicates CPU RESET?, the first four CO/PBX lines light red. Linekey Red Linekey Red Linekey Red Linekey Red
4	Press [Transfer] to begin the initialization process.
5	Press [Speaker] to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

Note: IMPORTANT

If VMS, FMS, ACD and/or IPT cards installed in the system, please ensure all cards have completed their startup sequence before performing a second initialisation.

These cards are considered fully 'started up' about 5 minutes after power is applied.

Clock/Calendar Setting

General Description

This Memory Block is used to set the time and date that are displayed on the Multiline Terminals.

Display

1 1 : 0 8 A M
T I M E   D I S P L A Y

Programming Procedures

1	Go off-line.
2	Press `Feature` + (9) + **#** to access the Memory Block.
	Note: Use the following to enter data:
	(*) moves the cursor left
	(#) moves the cursor right
	(0) ~ (9) to enter numeric Time, Date, Month, Year
	`Recall` to switch a.m./p.m. and to switch month and weekdays
	`Recall` while cursor is at the Day or Month to allow the user to scroll through the selections
	All other items can be changed by moving the cursor to the desired position and entering the data using the dial pad (Refer to the example).
3	Press `Transfer` to write the data.
4	Press `Speaker` to go back on-line.

Related Programming

No related programming is necessary for this Memory Block.

1. This station operation is performed by the Attendant station.
2. The Clock/Calendar cannot be set using PC Programming.

Example: To change the time and the date to 12:00 p.m. Sunday, December 31, 1998:

1 1 : 0 8 A M
T I M E   D I S P L A Y

1. Using the dial pad, press (1) (2) (0) (0) .

1 2 : 0 0 A M
T I M E   D I S P L A Y

2. Press `Recall` .

1 2 : 0 0 P M
T I M E   D I S P L A Y

3. Press `Hold` .

M O N   0 1   J A N   1 9 9 8
T I M E   D I S P L A Y

4. Press `Recall` until SUN is displayed.

S U N   0 1 :   J A N   1 9 9 8
T I M E   D I S P L A Y

5. Move the cursor to the 01 position.

S U N   0 1   J A N   1 9 9 8
T I M E   D I S P L A Y

6. Using the dial pad, press ③ ① .

S U N   3 1   J A N   1 9 9 8
T I M E   D I S P L A Y

7. Press `Recall` until DEC is displayed.

S U N   3 1   D E C   1 9 9 8
T I M E   D I S P L A Y

8. Move the cursor to the 1998 position.

S U N   3 1   D E C   1 9 9 8
T I M E   D I S P L A Y

9. Using the dial pad, press ⑨ ⑨ .

S U N   3 1   D E C   1 9 9 9
T I M E   D I S P L A Y

10. Press `Feature` .

T I M E   D I S P L A Y

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SECTION 5
FUNCTION TIMER CHART

The chart on the following pages provides a list of timers that can be programmed in the system. The information is listed numerically by Memory Block number. A brief definition and the timing value is given for each timer.

New Zealand - Analogue CO Trunks do not support the Scroll Feature or DP Dialling.

Table 1-6 Function Timer Chart

Timer	Memory Block	Definition	Timing Value		
			Minimum	**Default**	**Maximum**
Pause Time Selection	1-1-00	Duration when no signal is being sent to a CO/PBX line.	1 sec.	3 sec.	3 sec.
DP Interdigit Time Selection	1-1-01	Minimum interval between dialling signals in Dial Pulse dialling.	650/500 ms.	800/800 ms.	800/800 ms.
Hookflash Time Selection	1-1-02	Timing of a CO/PBX hookflash from the Recall key of a Multiline Terminal or a Single Line Telephone to the CO/PBX line.	20 ms.	600 ms.	5000 ms. (5 sec.)
Hold Recall Timer Selection (Non-Exclusive Hold)	1-1-03	Specify the time before a held CO/PBX line recalls the station that put that line on hold.	25 sec.	25 sec.	No Limit
Automatic Redial Time Selection	1-1-04	Defines the redial timing parameters when automatic redial is set to a busy CO/PBX number.	30 sec.		60 sec.
Start Timer Selection	1-1-05	Specify the time for after dialling and the start of call duration display and Talk Start Timer.	2 sec.	10 sec.	70 sec.
CO/PBX Incoming Ringing Alarm Time Selection	1-1-06	Specify the time from receiving an incoming CO/PBX call until the ringing tone changes to a different ringing tone level if the call is not answered.	10 sec.	No Limit	No Limit
Tie Line Delay Ringing Timer Selection	1-1-07	Specify the delay interval between the time a telephone rings (accessed by a ringing call in the Tie/DID line) and the time other telephones start ringing.	10 sec.	No Limit	No Limit
Station Transfer/ Camp-On Recall Timer Selection	1-1-12	The time before a ring transferred call recalls to the station that transferred the call.	25 sec.	45 sec.	No Limit
Trunk Queuing Timeout Selection	1-1-37	Specify the time queuing for a CO/PBX line recalls before being automatically cancelled.	10 sec.	10 sec.	60 sec.
CO/PBX Prepause Timer Selection	1-1-57	Specify the pause time before dialed digits are sent over a CO/PBX line.	None	1 sec.	15 sec.
Hold Recall Time Selection (Exclusive)	1-1-63	Specify the time for Exclusive Hold Recall.	30 sec.	1 min.	No Limit

Table 1-6 Function Timer Chart (Continued)

Timer	Memory Block	Definition	Timing Value		
			Minimum	**Default**	**Maximum**
Attendant Add-On Console Transfer/ Camp-On Recall Timer Selection	1-1-64	Specify the time for a ring transfer from the DSS Console until the recall alarm is sent.	30 sec.	1 min.	10 min.
First Delay Announcement Start Time Selection	1-1-71	Specify the time between receiving an incoming CO call and sending the First Delay Announcement to the caller.	0 sec.	20 sec.	60 sec.
First to Second Delay Announcement Interval Time Selection	1-1-73	Specify the time between the First and Second Delay Announcement.	0 sec.	20 sec.	No Limit
Second Delay Announcement Repeat Interval Time Selection	1-1-75	Specify the time between repeated Second Delay Announcement.	0 sec.	20 sec.	No Limit
Delayed Ringing Timer Assignment (CO)	1-1-77	Specify the time for delayed ringing on incoming outside line calls.	0 sec.	15 sec	99 sec.
ISDN DTMF Duration/ Interdigit Time Selection	1-180	Specify tone duration and interdigit time of Dual-Tome Multifrequency (DTMF) signals for the ISDN Trunk.	70/60 ms.	100/70 ms.	900/200 ms.
ISDN Dial Interval Timer Selection*	1-1-81	Specify the dial interval timer for ISDN lines when dialling from a PHS	2 sec.	8 sec.	32 sec.
Internal Paging Timeout Selection	1-2-00	Specify the time allowed for paging.	90 sec.	90 sec.	No Limit
Automatic Callback Release Timer Selection	1-2-02	Time duration before Automatic Callback is automatically cancelled.	30 sec.	30 min.	30 min.
Call Forward No Answer Timer Selection	1-2-22	Specify time before ICM or Trunk calls are forwarded.	4 sec.	8 sec.	60 sec.
System Call Park Recall Time Selection	1-2-23	Time before a parked call recalls to the station that parked the call.	30 sec.	1 min	10 min.
Delayed Ringing Timer Assignment (ICM)	1-2-26	Specify the time for delayed ringing on internal calls.	0 sec.	10 sec.	99 sec.
PS Out of Area Timer Selection*	1-2-30	Assigns Out of Area PS Timer	00 sec.	12 sec.	99 sec.
Bounce Protect Time Selection	1-3-01	Specify the time before a valid hookflash is detected from a Single Line Telephone or Voice Mail System.	0 ms.	300 ms.	1500 ms.

*Software Version 2.xx or higher

Table 1-6 Function Timer Chart (Continued)

Timer	Memory Block	Definition	Timing Value		
			Minimum	**Default**	**Maximum**
First Digit PBR Release Timer Selection	1-3-03	Specify the time that a receiver is connected when a DTMF Single Line Telephone user is dialling.	10 sec.	10 sec.	60 sec.
Hookflash Start Time Selection	1-3-05	Specify a minimum hookflash duration for a Single Line Telephone to receive a second dial tone.	40 ms.	290 ms.	790 ms.
Hookflash End Time Selection	1-3-06	Specify a maximum duration from a Single Line Telephone to receive a second dial tone (HT = Hookflash Start Time).	HST + 0 ms.	HST + 700 ms.	HST + 1500 ms.
Voice Mail DTMF Delay Timer Selection	1-3-08	Specify the delay time before DTMF tones are sent to the VMI port.	0 sec.	1 sec.	8 sec.
Voice Mail Disconnect Time Selection	1-3-09	Specify the sending time of a disconnect signal that is sent to the connected equipment.	.5 sec.	1.5 sec.	3.5 sec.
Voice Mail DTMF Duration/Interdigit Time Selection	1-3-10	Specify the DTMF duration/ interdigit time for voice mail.	60/70 ms.	110/80 ms.	810/190 ms.
Tandem Transfer Automatic Disconnect Timer Selection	1-4-00	Specify a maximum time before automatic disconnect of a Trunk-to-Trunk transfer occurs.	30 min.	1 hr.	3 hr.
Tandem Transfer Automatic Disconnect Timer Selection*	1-4-00	Specify a maximum time before automatic disconnect of a Trunk-to-Trunk transfer occurs.	000 min.	060 min.	999 min.
Automated Attendant First Digit PBR Release Timer Selection	1-4-01	Specify the PBR connection time to the Automated Attendant trunk to receive the DTMF signal from the calling party before automatically disconnecting.	5 sec.	20 sec.	60 sec.
Automated Attendant Transfer Delayed Ringing Time Selection	1-4-02	Specify the time for a No Answer at the transferred station before the Automated Attendant rings a predetermined station.	10 sec.	No Limit	No Limit
Automated Attendant No Answer Disconnect Time Selection	1-4-03	Determine how long the Automated Attendant rings a station before dropping the call.	1 min.	2 min.	4 min.
Automated Attendant Answer Delay Time Assignment	1-4-13	Assign the number of seconds before the Automated Attendant answers an incoming CO/PBX call when there is no answer.	0 sec.	4 sec.	99 sec.

*Software Version 2.xx or higher

Table 1-6 Function Timer Chart (Continued)

Timer	Memory Block	Definition	Timing Value		
			Minimum	**Default**	**Maximum**
Automated Attendant 1st to 2nd Delay Announcement Interval Time Selection	1-4-19	Specify the interval time between the Automated Attendant Delay Announcement messages	0 min.	4 min.	20 min.
Automated Attendant Delay Announcement Disconnect Time Selection	1-4-20	Establishes how long the Automated Attendant rings the stations before disconnecting the caller. Only applies when the Automated Attendant is set to the Delay Announcement Mode.	0 sec.	30 sec.	20 min.
SMDR Valid Call Timer Assignment	1-5-25	Minimum duration of an outside call before the system provides an SMDR report (Set from 0~99 seconds in 10-second increments).	0 sec.	40 sec.	990 sec.
Doorphone Display Time Selection	1-7-01	Define how long a door phone call signals a station before it times out.	10 sec.	10 sec.	90 sec.
External Paging Timeout Selection	1-7-06	The time before an external paging is automatically disconnected.	30 sec.	5 min.	No Limit
External Speaker Chime Start Time Selection	1-7-09	Assign the delay after an external paging code is dialled and before the paging alert tone is provided. Only used when paging alert tone (4 tones) is assigned in Memory Block 1-7-08 (External Speaker Chime Selection).	0 ms.	700 ms.	1500 ms.
PBR Interdigit Release Timer Selection	1-8-10	Specify the interdigit release time for the PBR.	3 sec.	7 sec.	10 sec.
System Refresh Timer Assignment	1-8-11	Assign the system refresh time.	No Refresh	4 hr.	24 hrs.
VRS Message Recording Time Selection	1-8-12	Specify the time length and number of messages for each VRS channel	15 sec.	15 sec.	120 sec.
ACD Hunt Timer	1-8-40	Assigns the time value for hunting among ACD/UCD agents that do not answer.	10 sec.	10 sec.	No Limit
Trunk DTMF Duration/ Interdigit Selection	3-15	Specify the tone duration and interdigit time of DTMF signals (Expressed as duration/interdigit time).	60/70 ms.	110/80 ms.	810/190 ms.
Tie Line Prepause Time Selection	3-16	Specify the prepause time for when the originating side can send dial pulse or DTMF to a distant system.	0 sec.	0 sec.	13 sec.

*Software Version 2.xx or higher

Table 1-6 Function Timer Chart (Continued)

Timer	Memory Block	Definition	Timing Value		
			Minimum	Default	Maximum
Tie line Answer Detect Time Selection	3-17	Specify the duration between the time when the receiving system answers and the time when it is recognized as an answer.	0 ms.	520 ms.	1950 ms.
Tie Line Release Detect Time Selection	3-18	Specify the duration between the circuit disconnection detection on the Tie line on the distant system side and the time it is recognized as Tie Line Release.	0 ms.	520 ms.	1950 ms.
Tie Line/CO/PBX Incoming Signal Detect Time Selection	3-19	Specify the time between the detection of an incoming signal from another Xen system and the time when the acknowledgment signal is sent (Expressed as Wink Start/Delay/COI in ms.).	0/0/5	520/120/200	1950/450/ 800
Tie Line Loop Off-Guard Time Selection	3-20	Assign loop off-guard protection to prevent noise that may cause the system to be unable to answer an incoming Tie line.	0 sec.	2 sec.	13 sec.
Tie Line Length of Wink Signal Selection	3-21	Specify the time between the incoming signal detection from another Xen system and when the acknowledgment signal is sent out.	30 ms.	180 ms.	480 ms.
Tie Line Length of Delay Signal Selection	3-22	Specify the time a delay pulse is sent to another system.	0 ms.	300 ms.	4500 ms.
Tie Line Incoming Interdigit Timeout Selection	3-24	Specify the maximum time during the incoming call detection process. If an address signal is not received within a specified time, an error tone is returned to the other system.	1 sec.	6 sec.	No Limit
Tie Line Wink/Delay Signal Detect Timeout Selection	3-25	Specify the maximum time for receiving an acknowledgment signal from a distant system before sending a busy tone.	1 sec.	7 sec.	No Limit
Disconnect Recognition Time Selection	3-33	Specify a minimum time for a disconnected circuit to be accessed again.	0 sec.	0.3 sec	1.5 sec.
DIT Delay Answer Timer Selection	3-61	This Memory Block is used to specify the time and incoming CO/PBX call will ring before changing to DIT.	0 sec.	5 sec.	60 sec.

*Software Version 2.xx or higher

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SECTION 6
CODE RESTRICTION

6.1 General

The Xen systems provide an advanced method of restricting outgoing calls based on the first eight digits dialled. Code Restriction denies placement of outside calls based on Trunk groups and accommodates equal access to other common carriers (OCC). This eliminates unauthorized calls and configures system calling functions to provide cost control.

System Programming has 16 Code Restrictions Classes. Class 00 is fixed and allows free dialling. Class 15 is fixed and denies all outside calls. Classes 01~14 are programmable in system software. Stations are assigned per station to a Code Restriction Class. A separate Day Mode and Night Mode station to Code Restriction Class assignment is available.

6.2 Default Assignments

At default, all stations are assigned to Code Restriction Class 00 for both Day and Night Mode to allow free dialling.

At default, the Code Restriction Classes are set up with the following restrictions to provide the most common Code Restriction requirements and simplify Code Restriction programming.

Class	Deny	Allow
Class 01:	0 and 1 + calls	
Class 02:	0 and 1 + calls	1-800, 888, 877 calls
Class 03:	0, 1 +, and 976 calls	1-800, 888, 877 calls
Class 04:	1 + calls	1-800, 888, 877 calls
Class 05~14		911 calls only
At default:		
• All OCC calls are denied for Code Restriction Classes 01~14		
• System Speed Dial buffers override Code Restriction Classes 01~14		
• Code Restriction is not applied to Tie lines		
• When Station Lockout is set at a station, the station is outgoing restricted		
• Digit Restriction is not assigned		

Note: Refer to Section 6.5 Code Restriction Tables (Default Values) on page -434.

6.3   Memory Blocks

The following related Memory Blocks are used when assigning Code Restriction.

Title	Memory Block
Trunk to Tenant Assignment	2-01
Trunk-to-Trunk Group Assignment	3-03
Trunk Type Selection	3-91
PBX/CTX Access Code Assignment I	1-1-24
PBX/CTX Access Code Assignment II	1-1-25
OCC Table Assignment	1-1-67
OCC Table to Trunk Group Assignment	5-03
8-Digit Matching Table to OCC Table Assignment	1-1-68
8-Digit Matching Table to Normal Dial Assignment	1-1-66
8-Digit Matching Table to Trunk Group Assignment	5-02
8-Digit Matching Table Assignment	1-1-60
8-Digit Matching Table to Class Assignment	1-1-61
Code Restriction Class Allow/Deny Assignment	1-1-65
System Speed Dial Restriction by Tenant	1-1-18
System Speed Dial Override by Class Selection	1-1-62
Tie Line Code Restriction Assignment	1-1-69
Code Restriction Class Assignment When Lockout is Set	1-1-70
CO Feature Codes Service for Code Restriction	1-1-82
Trunk Digit Restriction	4-32
Code Restriction Class Assignment (Day Mode)	4-07
Code Restriction Class Assignment (Night Mode)	4-08
Telephone to Tenant Assignment	4-09

6.4   Memory Block Description

6.4.1   General

This section describes the function of the Memory Blocks directly related to Code Restriction. Some Memory Blocks from the previous list are not described here but are included because of their effect on Code Restriction (*e.g.*, Trunk to Tenant Assignment). Code Restriction is based on Trunk group and consideration should be given to this Memory Block because stations are assigned to a tenant, and trunks are assigned to a Trunk group.

6.4.2   OCC Assignment/Operation

OCC Table Assignment

(Memory Block 1-1-67)

This Memory Block allows an OCC Access Code (maximum of eight digits) to be assigned. System Programming has 16 OCC Tables (01~16). Each table can have one OCC Access Code assigned.

OCC Table to Trunk Group Assignment

(Memory Block 5-03)

This Memory Block assigns Trunk groups to the OCC Tables. Any combination of Trunk groups can be assigned to the OCC Tables.

8-Digit Matching Table to OCC Table Assignment

(Memory Block 1-1-68)

This Memory Block assigns the 8-Digit Matching Table to the OCC Tables. Any combination of 8-Digit Matching Tables can be assigned to the OCC Tables.

OCC Operation

When a restricted station user dials an OCC Access Code, the system searches the OCC Tables for a match. If no match is found, the user is allowed free dialling. If a match is found, the system monitors the eight digits dialled and searches the 8-Digit Matching Tables assigned to the OCC Table. The system searches only the 8-Digit Matching Tables assigned to the Code Restriction Class the station is assigned to and has the Trunk group assigned to it for the in-use trunk the station is on. If the interdigit time of the dialling party exceeds 10 seconds while the station user is dialling on an outside line, and the system is searching the assigned tables, the system automatically drops the call.

6.4.3   8-Digit Matching Table Assignment/Operation

8-Digit Matching Table to Normal Dial Assignment

(Memory Block 1-1-66)

This Memory Block assigns the 8-Digit Matching Table to be Used or Unused for non-OCC calls. If an 8-Digit Matching Table is assigned as Unused, the table is used only for OCC calls. There are sixteen 8-Digit Matching Tables (00~15) in System Programming. Each table is independently assigned to be Used or Unused.

8-Digit Matching Table to Trunk Group Assignment

(Memory Block 5-02)

This Memory Block assigns Trunk groups to the 8-Digit Matching Tables. Any combination of Trunk groups can be assigned to the 8-Digit Matching Tables.

8-Digit Matching Table Assignment

(Memory Block 1-1-60)

This Memory Block assigns the 8-Digit Matching Tables. Each 8-Digit Matching Table can have sixteen 8-digit entries. To cover the many possible combinations (without listing each individual number), code restriction letters can be used in place of digits. The code restriction letters used and their numerical values are as follows:

X = 0~9, ∗, and #
P = 0 and 1
N = 2~9

When 1X is entered in a table, and the table is assigned as a day table in the 8-Digit Matching Table to Class Assignment, any 1 + any digit call is denied if the table is used. Using X, P, and N accommodates several combinations with just one entry.

Note: The Trunk Access Code should not be placed in the 8-Digit Matching Table. Code Restriction starts after a trunk is seized.

<u>8-Digit Matching Table to Class Assignment</u>

(Memory Block 1-1-61)

This Memory Block assigns the 8-Digit Matching Tables to the Code Restriction Classes. The 8-Digit Matching Tables are also assigned as Allow/Deny Tables in this Memory Block. Any combination of 8-Digit Matching Tables (Allow, Deny, or Not Used) can be assigned to Code Restriction Classes 01~14. Classes 00 and 15 are fixed and are non programmable.

<u>Code Restriction Class Allow/Deny Selection</u>

(Memory Block 1-1-65)

This Memory Block assigns the Code Restriction Classes (01~14) as Allow or Deny. This assignment is used when there is no match or when there is an overlap (duplicate numbers in tables with opposite Allow/Deny assignments) of number in the 8-Digit Matching Tables.

<u>8-Digit Matching Table Operations</u>

The 8-Digit Matching Tables are used to restrict specific or all OCC calls and non-OCC calls. To understand the relationship of the 8-Digit Matching Tables with OCC calls, refer to 6.4.2 - OCC Assignment/Operation.

When a restricted station user makes a non-OCC call, the system monitors the first eight digits dialled and searches the 8-Digit Matching Tales assigned for Used in Memory Block 1-1-66 (8-Digit Matching Table to Normal Dial Assignment).

The system searches only the 8-Digit Matching Tables assigned to the Code Restriction Class the station is assigned to and has the Trunk group assigned to it for the in-use trunk the station is on.

If a match is found, the system looks at the 8-Digit Matching Table to Class Assignment for the Allow or Deny Assignment. If the table is assigned as Allow, the call is allowed. If the table is assigned as Deny, the call is denied.

If a match is not found or a duplicate match is made with opposite Allow/Deny Assignments, the system looks at the class Allow/Deny Assignment. If the class is assigned as Allow, the call is allowed. If the Class is assigned as Deny, the call is denied. If the interdigit time of the dialling party exceeds 10 seconds while the station user is dialling on an outside line, and the system is searching the assigned tables, the system automatically drops the call.

6.4.4 System Speed Dial Override by Class Selection (Memory Block 1-1-62)

This Memory Block allows System Speed Dial buffers to override or not override Code Restriction. Each Code Restriction Class (01~14) is assigned as Allow or Deny.

6.4.5 Tie Line Code Restriction Assignment (Memory Block 1-1-69)

This Memory Block assigns system-wide Code Restriction to be used or not used for calls made on a Tie line.

6.4.6 Code Restriction Class Assignment When Lockout is Set (Memory Block 1-1-70)

This Memory Block assigns the Code Restriction Class to be used when Station Lockout (Outgoing) is set at a station. Station Lockout can be set by the Attendant or from any station if allowed in System Programming.

6.4.7 CO Feature Code Service For Code Restriction (Memory Block 1-1-82)

This Memory Block assigns a set of feature codes per system. A station user can dial these codes as the leading digits of a telephone number. The Xen system ignores these digits and applies code restriction to the remaining digits. The codes are sent to the CO as the leading digits on permitted code restriction calls.

6.4.8 Trunk Digit Restriction Assignment (Memory Block 4-32)

This Memory Block specifies, per station, the maximum number of digits that can be dialled while on any outside line.

6.4.9 Code Restriction Class Assignment (Day Mode) (Memory Block 4-07)

This Memory Block specifies, per station, the Code Restriction Class used when the system or stations assigned tenant is in the Day Mode.

6.4.10 Code Restriction Class Assignment (Night Mode) (Memory Block 4-08)

This Memory Block specifies, per station, the Code Restriction Class used when the system or stations assigned tenant is in the Night Mode.

6.5   Code Restriction Tables (Default Values)

6.5.1   OCC Tables with Default Values

The following Memory Blocks are displayed:

OCC Table Assignment (1-1-67)

OCC Table to Trunk Group Assignment (5-03)

8-Digit Matching Table to OCC Table Assignment (1-1-68)

	Table 01	Table 02	Table 03	Table 04
Memory Block (1-1-67)				
Memory Block (5-03)	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32
Memory Block (1-1-68)				

	Table 05	Table 06	Table 07	Table 08
Memory Block (1-1-67)				
Memory Block (5-03)	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32
Memory Block (1-1-68)				

	Table 09	Table 10	Table 11	Table 12
Memory Block (1-1-67)				
Memory Block (5-03)	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32
Memory Block (1-1-68)				

	Table 13	Table 14	Table 15	Table 16
Memory Block (1-1-67)				1 0 X X X
Memory Block (5-03)	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 0~32
Memory Block (1-1-68)				

6.5.2 8-Digit Matching Tables with Default Values

The following Memory Blocks are displayed:

8-Digit Matching Table to Normal Dial Assignment (1-1-66)

8-Digit Matching Table to Trunk Group Assignment (5-02)

8-Digit Matching Table Assignment (1-1-60)

The following designations are used in these tables:

	Table 00	Table 01	Table 02	Table 03
Memory Block (1-1-66)	Use Table	Use Table	Use Table	Use Table
Memory Block (5-02)	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32
Memory Block (1-1-60)	00 9 1 1	00	00	00
	01	01	01	01
	02	02	02	02
	03	03	03	03
	04	04	04	04
	05	05	05	05
	06	06	06	06
	07	07	07	07
	08	08	08	08
	09	09	09	09
	10	10	10	10
	11	11	11	11
	12	12	12	12
	13	13	13	13
	14	14	14	14
	15	15	15	15

Note:X = -~9, *, #
P = 0,1
N = 2~9

8-Digit Matching Table to Normal Dial Assignment (1-1-66)

8-Digit Matching Table to Trunk Group Assignment (5-02)

8-Digit Matching Table Assignment (1-1-60)

	Table 04	Table 05	Table 06	Table 07
Memory Block (1-1-66)	Use Table	Use Table	Use Table	Use Table
Memory Block (5-02)	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32
Memory Block (1-1-60)	00	00	00	00
	01	01	01	01
	02	02	02	02
	03	03	03	03
	04	04	04	04
	05	05	05	05
	06	06	06	06
	07	07	07	07
	08	08	08	08
	09	09	09	09
	10	10	10	10
	11	11	11	11
	12	12	12	12
	13	13	13	13
	14	14	14	14
	15	15	15	15

Note: X = -~9, $*$, $\#$
P = 0,1
N = 2~9

8-Digit Matching Table to Normal Dial Assignment (1-1-66)

8-Digit Matching Table to Trunk Group Assignment (5-02)

8-Digit Matching Table Assignment (1-1-60)

	Table 08	Table 09	Table 10	Table 11
Memory Block (1-1-66)	Use Table	Use Table	Use Table	Use Table
Memory Block (5-02)	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32
Memory Block (1-1-60)	00	00	00	00
	01	01	01	01
	02	02	02	02
	03	03	03	03
	04	04	04	04
	05	05	05	05
	06	06	06	06
	07	07	07	07
	08	08	08	08
	09	09	09	09
	10	10	10	10
	11	11	11	11
	12	12	12	12
	13	13	13	13
	14	14	14	14
	15	15	15	15

Note: X = 0~9, *, #
P = 0,1
N = 2~9

8-Digit Matching Table to Normal Dial Assignment (1-1-66)

8-Digit Matching Table to Trunk Group Assignment (5-02)

8-Digit Matching Table Assignment (1-1-60)

	Table 12	Table 13	Table 14	Table 15
Memory Block (1-1-66)	Use Table	Use Table	Use Table	Use Table
Memory Block (5-02)	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32	Trunk Group 01~32
Memory Block (1-1-60)	00 9 7 6	00 1 8 0 0	00 1 X	00 X
	01	01 1 8 8 8	01	01
	02	02 1 8 7 7	02	02
	03	03	03	03
	04	04	04	04
	05	05	05	05
	06	06	06	06
	07	07	07	07
	08	08	08	08
	09	09	09	09
	10	10	10	10
	11	11	11	11
	12	12	12	12
	13	13	13	13
	14	14	14	14
	15	15	15	15

Note: X = 0~9, ∗, #
P = 0,1
N = 2~9

8-Digit Matching Tables with Default Values

The following designations are used in this table:

8-Digit Matching Table to Class Assignment (1-1-61)

Class Allow/Deny Selection (1-1-65)

		8-Digit Matching Table																Class Allow/Deny Assignment
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	
	Class 02	A											D			D	D	Allow
	Class 03	A											D		A	D	D	Allow
	Class 04	A											D	D	A	D	D	Allow
	Class 05	A													A	D	D	Allow
	Class 06	A																Deny
8-Digit Matching Table to Class Assignment	Class 07	A																Deny
	Class 08	A																Deny
	Class 09	A																Deny
	Class 10	A																Deny
	Class 11	A																Deny
	Class 12	A																Deny
	Class 13	A																Deny
	Class 14	A																Deny
	Class 15	A																Deny

Note: A = Allow
D = Deny
Blank = Not used

6.6   Code Restriction Algorithm

The following chart identifies how the system checks for and processes Code Restriction assignments.

```
                        ┌─────────────────┐
                        │ User Accesses a │
                        │  CO/PBX Line    │
                        └─────────────────┘
                                │
                                ▼
                        ╱ Code ╲
  ┌──────────┐   Class 00 ╱ Restriction Class ╲  Class 15   ┌──────────────┐
  │Allow User│◄──────────╱ (Day, Night)        ╲──────────►│ Disconnect   │
  │  Free    │           ╲ M. B.   4-7         ╱           │ Issue Error  │
  │ Dialling │            ╲ and 4-8 ╱                       └──────────────┘
  └──────────┘              ╲    ╱
                         Class 01 ~ 14
                                │
                                ▼
                           ╱ Is line ╲     Yes
                          ╱ Assigned as ╲──────────┐
                          ╲ PBX?         ╱          │
                           ╲ M. B. 3-91 ╱           ▼
                             ╲   ╱        ╱ User ╲
                              No    Yes  ╱ Dials PBX ╲   No   ┌──────────┐
                              │ ◄───────╱ Access Code ╲─────►│Allow User│
                              │         ╲ M. B. 1-1-26 ╱      │  Free    │
                              ▼          ╲ or M. B. 1-1-25 ╱   │ Dialling │
                      ┌──────────┐         ╲    ╱            └──────────┘
                      │Allow User│
                      │to Dial 1 │
                      │  Digit   │
                      └──────────┘
```

(flowchart continues — see nodes below)

- 1st Digit → (1) → Allow User to Dial 1 Digit → 2nd Digit
  - 2nd Digit (1~9) → back to 0, 2~9 path
  - 2nd Digit (0) → Allow User to Dial up to 6 More Digits → Search OCC Tables From Tables 01~16 → OCC Table Assignment M. B. 1-1-67
    - No Match Found → Allow User Free Dialling
    - Match Found → (2)

- 1st Digit (0, 2~9) → Search Only 8-Digit Matching Table From Table 00~15 After Each Digit For the First 8 Digits
  - → Search Only 8-Digit Matching Tables Assigned To Class Assignment M. B. 1-1-61
  - → Search Only 8-Digit Matching Tables Assigned To Normal Dial M. B. 1-1-66
  - → Search Only 8-Digit Matching Tables Assigned for Trunk Group Being Used M. B. 5 - TRF-02
  - → (1)

①　　　　　　　　　　　②

```
┌─────────────────────┐
│ Search 8-Digit Matching │
│ Table From Table 00~15  │
│ After Each Digit Entered │
│   For First 8 Digits    │
└─────────────────────┘
          │
┌─────────────────────┐
│  Search Only 8-digit   │
│   Matching Tables      │
│  Assigned To Class     │
│ Assignment M. B. 1-1-61 │
└─────────────────────┘
          │
┌─────────────────────┐
│  Search Only 8-Digit   │
│   Matching Tables      │
│  Assigned to OCC Table  │
│    M. B. 1-1-68         │
└─────────────────────┘
          │
┌─────────────────────┐
│  Search Only 8-digit   │
│   Matching Tables      │
│  Assigned For Trunk    │
│   Group Being Used      │
│   M. B. 5 - TRF-02      │
└─────────────────────┘
```

Match Found Allow Table (Note 1)　　　8-Digit Matching Table 00 M. B. 1-1-60　　　Match Found Deny Table (Note 1)

Allow User Free Dialling

Match Found Allow Table (Note 1)　　　8-Digit Matching Table 15 M. B. 1-1-60　　　Match Found Deny Table (Note 1)　　　Disconnect Issue Error

No Perfect Match Found or Duplicate Match in Opposite Tables

Allow User Free Dialling　　　Allow　　　Class Allow/Deny Assignment M. B. 1-1-65　　　Deny　　　Disconnect Issue Error

Note 1: Tables are assigned as Allow or Deny in the 8-Digit Matching Table to Class Assignment (Memory Block 1-1-61).

Note 2: If the interdigit time duration of the dialling party exceeds 10 seconds while the Code Restriction Tables are being searched, the system automatically drops the call.

SECTION 7
CHARACTER CODE
TABLES

The character code tables are used when entering some of the functions provided with the Xen system. The following tables apply only to System Software Version 1.xx.

Version 2.XX, or higher uses "Direct Keypad Alphanumeric Character Entry". For Key Pad entry refer to *7.1 Dial Pad Character Assignment.*

Note: Codes 166~221 and 250~252 are used for Japanese characters only.

Character	Code	Character	Code	Character	Code
BLANK	032	@	064	\	096
!	033	A	065	a	097
||	034	B	066	b	098
#	035	C	067	c	099
$	036	D	068	d	100
%	037	E	069	e	101
&	038	F	070	f	102
'	039	G	071	g	103
(	040	H	072	h	104
)	041	I	073	i	105
*	042	J	074	j	106
+	043	K	075	k	107
,	044	L	076	l	108
—	045	M	077	m	109
–	046	N	078	n	110
/	047	O	079	o	111
0	048	P	080	p	112
1	049	Q	081	q	113
2	050	R	082	r	114
3	051	S	083	s	115
4	052	T	084	t	116
5	053	U	085	u	117
6	054	V	086	v	118
7	055	W	087	w	119
8	056	X	088	x	120
9	057	Y	089	y	121
:	058	Z	090	z	122
;	059	[	091	{	123
<	060	¥	092	|	124
=	061	]	093	}	125
>	062	^	094	Æ	126
?	063	_	095	¨	127

Character	Code
Blank	160
。	161
「	162
」	163
、	164
・	165
ヲ	166
ァ	167
ィ	168
ゥ	169
ェ	170
ォ	171
ャ	172
ュ	173
ョ	174
ッ	175
-	176
ア	177
イ	178
ウ	179
エ	180
オ	181
カ	182
キ	183
ク	184
ケ	185
コ	186
サ	187
シ	188
ス	189
セ	190
ソ	191

Character	Code
タ	192
チ	193
ツ	194
テ	195
ト	196
ナ	197
ニ	198
ヌ	199
ネ	200
ノ	201
ハ	202
ヒ	203
フ	204
ヘ	205
ホ	206
マ	207
ミ	208
ム	209
メ	210
モ	211
ヤ	212
ユ	213
ヨ	214
ラ	215
リ	216
ル	217
レ	218
ロ	219
ワ	220
ン	221
﹨	222
°	223

Character	Code
α	224
ä	225
β	226
ε	227
μ	228
σ	229
ρ	230
ϱ	231
√	232
⁻¹	233
j	234
×	235
¢	236
£	237
n̄	238
ö	239
p	240
q	241
θ	242
∞	243
Ω	244
ü	245
Σ	246
π	247
x̄	248
૧	249
千	250
万	251
円	252
÷	253
Blank	254
■	255

7.1 Dial Pad Character Assignment

Refer to the applicable table and procedure example.

Table 1-7 System Data Input

Press	1	2	3	4	5	6	7	8	9	0	Redial
1st	1	A	D	G	J	M	P	T	W	0	✻
2nd	@	B	E	H	K	N	Q	U	X	!	+
3rd	[	C	F	I	L	O	R	V	Y	"	,
4th	¥	a	d	g	j	m	S	t	Z	#	-
5th	]	b	e	h	k	n	p	u	w	$	.
6th	^	c	f	i	l	o	q	v	x	%	/
7th		2	3	4	5	6	r	8	y	&	:
8th	'	To A	To D	To G	To J	To M	s	To T	z	'	;
9th	{						7		9	(	<
10th	|						To P		To W	)	=
11th	}									To 0	>
12th	Ë										?
13th	Á										To ✻
14th	To 1										
✻	Used to move cursor to left.										
#	Used to move cursor to right.										
Hold	Space (MB3-00) Data Clear (except MB3-00)										

7.1.1   Trunk name or Number Assignment Example
(DNIS assignment uses this character dial pad.)

1. Enter Program Mode.
    Display shows PROGRAM MODE.

2. Press LK3.
    Display shows 01/_

3. Press LK2
    Display still shows 01/_

4. Press ⑥ ⑥
   Display shows 01/N_.

5. Press ③ ③
   Display shows 01/NE_.

6. Press ② ② ②
   Display shows 01/NEC_.

7. Press (Transfer)
   Display shows 01/02:OUT&IN

Table 1-8 Speed Dial Name Input

Press	1	2	3	4	5	6	7	8	9	0	✱	#
1st	1	A	D	G	J	M	P	T	W	0	✱	Set
2nd	@	B	E	H	K	N	Q	U	X	!	+	Space
3rd	[	C	F	I	L	O	R	V	Y	"	,	To Set
4th		a	d	g	j	m	S	t	Z	#	-	
5th	]	b	e	h	k	n	p	u	w	$	.	
6th	^	c	f	i	l	o	q	v	x	%	/	
7th	¥	2	3	4	5	6	r	8	y	&	:	
8th	'	To A	To D	To G	To J	To M	s	To T	z	'	;	
9th	{						7		9	(	<	
10th	|						To P		To W	)	=	
11th	}									To 0	>	
12th	Ë										?	
13th	Á										To ✱	
14th	To 1											
Conf	Clear and 1 character back from the cursor.											

7.1.2   Enter Speed Dial Name

1. Press inactive [Feature]
    Display is blank.

2. Press [Redial]
    Display shows_:

3. Press ⓪ ⓪
    Display shows 00:_

4. Press ⓪
    Display shows 00:0:_

5. Press ① ② ③ ④ ⑤
    Display shows 00:0:12345_.

6. Press [Hold]
    Display shows 00=_

7. Press ⑥
    Display shows 00=M_

8. Press ⑥
    Display shows 00=N_.

9. Press ③
    Display shows 00=ND_.

10. Press ③
    Display shows 00=NE_.

11. Press ②
    Display shows 00=NEA_.

12. Press ②
    Display shows 00=NEB_.

13. Press ②
    Display shows 00=NEC_.

14. Press #
    Display shows 00=NEC_.

15. Press ②
    Display shows 00=NECA_.

16. Press ⑥
    Display shows 00=NECAM_.

17. Press [Feature].

SECTION 8
DISPLAY
ABBREVIATIONS

Abbreviations found in the display are defined in below.

Table 1-9 Abbreviations used in Multiline Terminal Displays

ADD/DEL	Addition/Deletion	ESP	External Speaker
AL	All	FWDG	Forwarding
ALM	Alarm	FLSH	Flash
ANS	Answer	GUARD	Outgoing Guard Time
ANSWR	Answer	H	High
ASSGN	Assignment	HR	Hour
AUT	Automatic	ICM	Intercom (Extension)
AUTANS	Autoanswer	IMDT	Immediate
BLANK	Service Class	IN	Incoming
BNCE	Bounce	INC	Incoming Signal Detection Time Assignment
BTN	Button	INDV	Individual
CAL	Call	INTRPT	Interruption
CANCLD	Cancelled	L	Low
CKT	Circuit	LCD	Liquid Crystal Display
CNF	Confirmation	LN	LIne
CL	Class	LOOP	Loop Off-Guard Assignment
CLD	CO Line Display	LNR/SPD	Last Number/Speed Dial
CLR	Clear	M	Medium
CLS	Class	MAN	Manual
CONN	Connection	MF	Dual-Tone Multifrequency (DTMF)
DESG	Designation	MIN	Minimum
DGT	Digit	MOH	Music On Hold
DISP	Display	MSTR	Master
DISTM	Disconnection Recognition Time	NBR	Number
DIVERT	Diversion	NT	Night Mode
DLY	Delay Signal Time	OUT	Outgoing
DP	Dial Pulse	OG TM	Outgoing Time OUt Assignment
DSS	Direct Station Selection	OV	Over
DY	Day Mode	RNGTONE	Ringing Tone
PAD AT	PAD Pattern A Transmission Assignment	RT	Route

Table 1-9 Abbreviations used in Multiline Terminal Displays (Continued)

PAD AR	PAD Pattern A Receiving Assignment	RT ADV	Route Advance Block
PAD BT	PAD Pattern B Transmission Assignment	RVS	Reversal
PAD BR	PAD Pattern B Receiving Assignment	SDT	Second Dial Tone Assignment
PRE	Prepause Time Selection	SEND	Transmission
PBR	Pushbutton Signal Receiver	SEL	Selection
PBX	Private Branch Exchange	SLT	Single Line Telephone
PRNT	Print	SPD	Speed Dial
PTRN	Pattern	ST	Start
PV	Tie Line	TEL	Telephone
PVT	Tie Line	TERM	Terminating
PWRFAIL	Power Failure	TMR	Timer
RCV	Receiving	TMD	Timed
RCVR	Receiver	TRNS	Transfer
RES	Restriction	TRK	Trunk
RINGTONE	Ringing Tone	TRK GP	Trunk Group
RLY	Relay	WDSD	Wink/Delay Signal Detection Timeout

Guide to Feature Programming

SECTION 1
GENERAL
INFORMATION

This chapter provides a roadmap for programming the features for the Xen Master and Xen Axis systems. The Programming Xen System Guide Tables provide information helpful to the technician when programming the systems.

SECTION 2
PROGRAMMING GUIDE
TABLES

The tables provided in this section are useful as a quick reference when programming the Xen system. The tables are listed alphabetically by feature name. For each feature, information for accessing the programming blocks using PC Programming or Multiline Terminal programming is listed. The Keyboard Shortcut is used to access the Memory Blocks via PC Programming. The Memory Block Number is used to access the Memory Block via Multiline Terminal Programming.

All Memory Blocks associated with the feature are listed in the table. Some Memory Blocks *must* be programmed before a feature can be used. Other Memory Blocks are optional, but can affect how the feature operates. The Memory Blocks that must be programmed are indicated with the following symbols in the table.

✱   When the system is at default this Memory Block *must* be programmed for the feature to be used.

✱✱   At least one of the listed Memory Blocks *must* be programmed before the feature can be used.

Account Code Entry

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+BT	Start Timer Selection	1-1-05
[Alt]+BA	Access Code (1-, 2-, or 3-Digit Assignment)	1-1-46/47/48
[Alt]+AS	✱ Printer Connected Selection	1-5-13
[Alt]+AS	SMDR Valid Call Timer Assignment	1-5-25
[Alt]+BTS	Class of Service (Station) Feature Selection 2	1-8-08 (Pg. 3, LK6)
[Alt]+BTT	Station to Class of Service Feature Assignment	4-17

Account Code Forced/Unverified

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	✱✱ Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07
Alt +BTS	✱ Class of Service (Station) Feature Selection 2	1-8-08 (Pg. 6, LK3)
Alt +BF	Forced Account Code Length Assignment	1-8-27
Alt +BTT	Station to Class of Service Feature Assignment	4-17
Alt +AC	8 Digit Matching Table Assignment	1-1-60
Alt +AC	8 Digit Matching Table to Class Assignment'	1-1-61
Alt +AC	Code Restriction Class Assignment (Day Mode)	4-07
Alt +AC	Code Restriction Class Assignment (Night Mode)	4-08
Alt +AC	Code Restriction Class Assignment (FVA Restricted Tel/ Day Mode)	4-64
Alt +AC	Code Restriction Class Assignment (FVA Restricted Tel/ Night Mode)	4-65

Account Code Forced/Verified

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	✱✱ Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07
Alt +BTS	✱ Class of Service (Station) Feature Selection 2	1-8-08 (Pg. 5, LK1)
Alt +BF	Forced Account Code Length Assignment	1-8-27
Alt +BTT	Station to Class of Service Feature Assignment	4-17

Add-On Conference

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BN	Trunk to Tenant Assignment	2-01
Alt +BCT	Trunk to Trunk Transfer Yes/No Selection	3-03

Add-On Conference (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01

All Call Page

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
Alt +BP	Internal Paging Timeout Selection	1-2-00
Alt +BP	Internal Paging Alert Tone Selection	1-2-25
Alt +BP	External Speaker Connection Selection	1-7-02
Alt +BP	External Paging Alert Tone Selection	1-7-03
Alt +BP	External Paging Timeout Selection	1-7-06
Alt +BTT	Receiving Internal/All Call Page Selection	4-31
Alt +BTM	Internal Zone Paging Selection	4-93

Alphanumeric Display

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BE	Speed Dial Number/Name Display Selection	1-1-33
Alt +BI	Customized Message 1~10 Assignment	1-2-09~18
Alt +BCT	✱Trunk Name/Number Assignment	3-00
Alt +BTT	✱Station Name Assignment	4-18
Alt +BTM	Multilingual LCD Indication Selection	4-28

Ancillary Device Connection

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTM	ADA(2) Ring Mode Assignment	4-39

Answer Hold

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BT	Hold Recall Timer Selection (Non-Exclusive Hold)	1-1-03
`Alt`+BTM	✱ Off-Hook Ringing Selection	4-51
`Alt`+BN	Trunk to Tenant Assignment	2-01
`Alt`+BTT	✱ CO/PBX Ring Assignment (Day Mode)	4-01
`Alt`+BTT	✱ CO/PBX Ring Assignment (Night Mode)	4-02
`Alt`+BTT	✱ CO/PBX Answer Key Operation without Ringing (Day Mode)	4-52
`Alt`+BTT	✱ CO/PBX Answer Key Operation without Ringing (Night Mode)	4-53

Answer Key

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BTM	✱Off-Hook Ringing Selection	4-51
`Alt`+BN	Trunk to Tenant Assignment	2-01
`Alt`+BCT	DIT Assignment	3-42
`Alt`+BCT	ANA Assignment	3-43
`Alt`+BTT	✱CO/PBX Ring Assignment (Day Mode)	4-01
`Alt`+BTT	✱CO/PBX Ring Assignment (Night Mode)	4-02
`Alt`+BTM	Ringing Line Preference Selection	4-11
`Alt`+BTT	✱CO/PBX Answer Key Operation without Ringing (Day Mode)	4-52
`Alt`+BTT	✱CO/PBX Answer Key Operation without Ringing (Night Mode)	4-53

Assigned Night Answer (ANA)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BCT	✱ANA Assignment	3-43
Alt +BCT	DIT Delay Answer Timer Selection	3-61
Alt +BCT	DIT Night Mode Delay Answer Enable (ANA)	3-64

Attendant Add-On Console

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTD	✱Attendant Add-On Console to Telephone Port Assignment	1-6-01
Alt +BTD	✱Attendant Add-On Console Key Selection	1-6-05
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02
Alt +BTM	Line Key Selection for Telephone Mode	4-12
Alt +BTT	Prime Line/Hot Line Assignment	4-23
Alt +BS	Telephone Type Assignment	7-2

Attendant Camp-On

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTS	System Transfer/Camp-On Selection	1-1-11
Alt +BT	Attendant Add-On Console Transfer/Camp-On Recall Timer Selection	1-1-64
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08
Alt +BTT	SLT Data Line Security Assignment	4-90

Attendant Positions

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTD	✱ Attendant Add-On Console to Telephone Port Assignment	1-6-01
Alt +BTS	✱Class of Service (Attendant) Feature Selection 1	1-8-07
Alt +BTT	✱Station to Class of Service Feature Assignment	4-17

Attendant Station Outgoing Lockout

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +AC	Code Restriction Class Assignment when Lockout is Set	1-1-70
Alt +BTD	✱Attendant Add-On Console Key Selection	1-6-05
Alt +AC	Code Restriction Class Assignment (Day Mode)	4-07
Alt +AC	Code Restriction Class Assignment (Night Mode)	4-08

Attendant Transfer

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTS	✱System Transfer/Camp-On Selection	1-1-11
Alt +BCS	CO Transfer Ring Pattern Selection	1-1-13
Alt +BCS	CO Transfer Ring Tone Selection	1-1-14
Alt +BT	Attendant Add-On Console Transfer/Camp-On Recall Timer Selection	1-1-64
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05

Automated Attendant

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	✱Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48 (Item 501)
Alt +AU	Automated Attendant Transfer Ring Pattern	1-1-54
Alt +BA	Specified Station Access Code Assignment	1-2-08

Automated Attendant (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+AU	Automated Attendant First Digit PBR Release Timer Selection	1-4-01
[Alt]+AU	Automated Attendant Transfer Delayed Ringing Time Selection	1-4-02
[Alt]+AU	Automated Attendant No Answer Disconnect Time Selection	1-4-03
[Alt]+AT	Tandem Transfer SMDR Print Extension Assignment	1-4-04
[Alt]+AU	Automated Attendant PBR Timeout Response Selection	1-4-08
[Alt]+AU	Automated Attendant PBR Start Time Selection	1-4-09
[Alt]+AU	✱Automated Attendant Message Day/Night Mode Selection	1-4-11
[Alt]+AU	Automated Attendant Message to Tenant Assignment	1-4-12
[Alt]+AU	Automated Attendant Answer Delay Time Assignment	1-4-13
[Alt]+AU	Automated Attendant Message Access Code (1-Digit) Assignment	1-4-14
[Alt]+AU	Automated Attendant Message Access Code (2-Digit) Assignment	1-4-15
[Alt]+AU	Automated Attendant Message Repeat Selection	1-4-16
[Alt]+AU	Automated Attendant Delay Announcement Hold Tone Selection	1-4-17
[Alt]+BTI	✱SLT or Automated Attendant/DISA to PBR Selection	1-8-01
[Alt]+AU	PBR Receive Level Assignment for Automated Attendant/ DISA	1-8-02
[Alt]+BTS	Class of Service (Attendant) Feature Selection 1	1-8-07 (Pg. 1, LK8 and Pg. 2, LK7)
[Alt]+BTS	Class of Service (Station) Feature Selection 2	1-8-08 (Pg. 2, LK6)
[Alt]+AR	VRS Message Recording Time Selection	1-8-12
[Alt]+AR	✱VRS Message Function Assignment	1-8-13
[Alt]+BI	Tone Assignment	1-8-15 (Table 1)
[Alt]+BCT	✱Trunk Incoming Answer Mode Selection	3-05
[Alt]+AU	Automated Attendant Message to Trunk Selection	3-38
[Alt]+BTT	CO/PBX Ring Assignment (Day Mode)	4-01

Automated Attendant (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02

Automatic Callback

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BT	Automatic Callback Release Timer Selection	1-2-02
Alt +BA	Intercom Feature Access Code Assignment	1-2-24
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08

Automatic Call Distribution

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	✱Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48 (Items 031, 032, and 040)
Alt +BT	Call Forward No Answer Timer Selection	1-2-22
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08 (Pg. 1, LK1, LK4, and LK5)
Alt +AA	✱ACD/UCD Group Agent Assignment	1-8-25
Alt +AA	✱ACD/UCD Group Pilot Number Assignment	1-12-00
Alt +AA	ACD/UCD Group Overflow Destination Assignment	1-12-01
Alt +AA	ACD/UCD Overflow Timer Selection	1-12-02
Alt +BCT	✱DIT Assignment	3-42
Alt +BCT	✱ANA Assignment	3-43
Alt +BCT	DIT Delay Answer Timer Selection	3-61
Alt +BCT	DIT Holiday Mode Enable	3-63
Alt +BCT	DIT Night Mode Delay Answer Enable (ANA)	3-64
Alt +BCT	Polarity Reverse Selection	3-90
Alt +BTM	Line Key Selection for Telephone Mode	4-12
Alt +BS	Card Interface Slot Assignment	7-1

Automatic Call Distribution (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BS	MIF (ACD) Assignment	7-3-00

Refer to Delay Announcement on page -467.

Account Carrier Routing

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Code (1-, 2-, 03 or 3-Digit Assignment)	1-1-46/47/48
Alt +BCT	Trunk to Trunk Group Assignment	3-03
Alt +BCT	Trunk Type Selection	3-91
Alt +BTT	LCR/ACR Class Selection	4-40
Alt +BS	Card Interface Slot Assignment	7-1
Alt +AO	ACR Feature Allow/Deny Selection	1-14-00
Alt +AO	ACR Dialling Assignment	1-14-01
Alt +AO	ACR Dialled Number Dial Allow/Deny Selection	1-14-02
Alt +AO	ACR Route Table Number Assignment	1-14-03
Alt +AO	ACR Trunk Group to Route Number Assignment	1-14-04
Alt +AO	ACR Digit Delete Assignment	1-14-05
Alt +AO	ACR Digit Add Assignment	1-14-06

Automatic Day/Night Mode Switching

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BT	✶Automatic Day/Night Mode Switching Time Assignment	1-1-27
Alt +BT	Automatic Day/Night Mode by Day of Week Selection	1-1-32
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02
Alt +AC	Code Restriction Class Assignment (Day Mode)	4-07

Automatic Day/Night Mode Switching (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +AC	Code Restriction Class Assignment (Night Mode)	4-08

Automatic Hold

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BT	Hold Recall Timer Selection (Non-Exclusive Hold)	1-1-03
Alt +BTD	Attendant Add-On Console to Telephone Port Assignment	1-6-01
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05
Alt +BN	Line Key Selection for Tenant Mode	2-06
Alt +BTM	Line Key Selection for Telephone Mode	4-12

Automatic Outgoing CO/PBX Line Selection

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	✱Access Code (1-, 2-, or 3-Digit Assignment)	1-1-46/47/48
Alt +BN	Line Key Selection Tenant Mode	2-06
Alt +BTT	✱Automatic Outgoing CO/PBX Line Selection	4-05
Alt +BTM	Line Key Selection Tel Mode	4-12
Alt +BTT	Prime Line/Hotline Assignment	4-23

Automatic Redial

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BT	Automatic Redial Time Selection	1-1-04

Automatic Release

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BCT	Polarity Reverse Selection	3-39

Automatic Trunk-to-Trunk Transfer

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+AT	Tandem Transfer Automatic Disconnect Timer Selection	1-4-00
`Alt`+AT	Automatic Tandem Trunk by Night Mode Selection	1-4-05
`Alt`+BTS	Class of Service (Attendant) Feature Selection 1	1-8-07
`Alt`+BCT	✱Trunk-to-Trunk Transfer Yes/No Selection	3-04
`Alt`+BCT	✱Trunk Incoming Answer Mode Selection	3-05
`Alt`+AT	✱Automatic Tandem Trunk Assignment	3-06
`Alt`+BCT	Automatic Release Signal Detection Selection	3-39
`Alt`+BCT	Polarity Reversal Selection	3-90

Background Music Port Assignment

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BCS	BGM Port Assignment	1-1-79

Barge-In

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BT	Start Timer Selection	1-1-05
`Alt`+BCS	Private Line Assignment	1-1-29
`Alt`+BTS	✱Class of Service (Station) Feature Selection 2	1-8-08
`Alt`+BN	Trunk to Tenant Assignment	2-01
`Alt`+BTT	SLT Data Line Security Assignment	4-90

Busy Lamp Field on Multiline Terminals

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BE	Speed Dial Buffer Allocation	1-1-35
`Alt`+BN	Line Key Selection	2-05
`Alt`+BN	Line Key Selection for Tenant Mode	2-06
`Alt`+BTM	Line Key Selection for Telephone Mode	4-12

Call Alert Notification

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BT	Call Forward No Answer Timer Selection	1-2-22
`Alt`+BTT	Call Forward – Busy Immediately/Delay Selection	4-42
`Alt`+BTT	SLT Data Line Security Assignment	4-90

Call Appearance Keys

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BN	✳Line Key Selection	2-05
`Alt`+BN	Line Key Selection for Tenant Mode	2-06
`Alt`+BTM	✳Line Key Selection for Telephone Mode	4-12
`Alt`+BTT	✳Station to Call Appearance Block Assignment	4-43

Call Arrival Keys

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
`Alt`+BK	✳Call Arrival Key Block Assignment	1-2-04
`Alt`+BTD	Attendant Add-On Console Key Selection	1-6-05
`Alt`+BN	Line Key Selection	2-05
`Alt`+BN	Line Key Selection for Tenant Mode	2-06

Call Arrival Keys (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTM	✱Line Key Selection for Telephone Mode	4-12
Alt +BTM	✱Extension Line Key Ring Assignment (Day Mode)	4-37
Alt +BTM	✱Extension Line Key Ring Assignment (Night Mode)	4-38
Alt +BTM	SIE/CAR Ringing Line Preference Selection	4-41
Alt +BTT	Station to Call Appearance Block Assignment	4-43

Callback Request

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Intercom Feature Access Code Assignment	1-2-24
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08
Alt +BTT	Station to Class of Service Feature Assignment	4-17

Caller ID Indication

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +AI	✱✱Caller ID Display Assignment for System Mode	1-1-78
Alt +BTS	✱Class of Service (Station) Feature Selection 2	1-8-08 (Pg. 4, LK3 and LK4)
Alt +BN	Line Key Selection for Tenant Mode	2-06
Alt +BCT	✱✱DIT Assignment	3-42
Alt +BCT	✱✱ANA Assignment	3-43
Alt +AI	✱✱Caller ID Display Assignment for CO/PBX Line	3-44
Alt +AI	Caller Name Indication Selection	3-53
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02
Alt +BTM	Line Key Selection for Telephone Mode	4-12
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38

Caller ID Indication (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +AI	Caller ID Outgoing CO Selection	4-44
Alt +BS	Card Interface Slot Assignment	7-1
Alt +BS	MIF (Caller ID) Assignment	7-3-04

Call Forward – All Calls

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08
Alt +BN	Line Key Selection	2-05
Alt +BN	Line Key Selection for Tenant Mode	2-06
Alt +BTM	Line Key Selection for Telephone Mode	4-12
Alt +BTT	Station to Class of Service Feature Assignment	4-17

Call Forward – Busy/No Answer

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Code (1-, 2-, 3-Digit) Assignment	1-1-46/47/48
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08
Alt +BN	Line Key Selection	2-05
Alt +BN	Line Key Selection for Tenant Mode	2-06
Alt +BTM	Line Key Selection for Telephone Mode	4-12
Alt +BTT	Station to Class of Service Feature Assignment	4-17

Call Forward – Off-Premise (MLT/SLT & CAR)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
Alt +AT	Tandem Transfer Automatic Disconnect Timer Selection	1-4-00
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07 (Pg. 2, LK2/LK3)
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08 (Pg. 5, LK4)
Alt +BN	Line Key Selection	2-05
Alt +BN	Line Key Selection for Tenant Mode	2-06
Alt +BCT	✱Trunk-to-Trunk Transfer Yes/No Selection	3-04
Alt +BTM	Line Key Selection for Telephone Mode	4-12
Alt +BTT	Station to Class of Service Feature Assignment	4-17

Call Park – System

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/4748
Alt +BT	System Call Park Recall Time Selection	1-2-23

Call Pickup Direct

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48 (Item 042)

Call Pickup Tenant

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
Alt +BN	Trunk to Tenant Assignment	2-01
Alt +BTT	Telephone to Tenant Assignment	4-09

Call Pickup Group

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
Alt +BTC	Call Pickup Group Assignment	1-2-31

Centralised Voice Mail

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Code (1-, 2- or 3-Digit) Assignment	1-1-46/47/48
Alt +BCS	Networking Trunk Group/Route Advance Assignment	1-1-49
Alt +BCS	CO/PBX Outgoing Digit Add Assignment	1-1-50
Alt +AV	Voice Mail Digit Add Assignment	1-3-07
Alt +AV	Voice Mail DTMF Delay Time Selection	1-3-08
Alt +AV	Voice Mail Disconnect Time Selection	1-3-09
Alt +AV	Voice Mail DTMF Duration/Interdigit Time Selection	1-3-10
Alt +BK	Call Arrival Key Block Assignment	1-2-04
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08
Alt +AV	Voice Mail Quick Transfer Master Hunt Number	1-8-26
Alt +AV	CAR for Voice Mail Message Notice Assignment	1-8-47
Alt +BCT	Trunk to Trunk Group Assignment	3-03
Alt +BCT	Trunk Type Selection	3-91
Alt +BCT	Trunk (Installed, DP/DTMF) Selection	3-92
Alt +BTT	Intercom Master Hunt Number Selection	4-14
Alt +BTT	Intercom Master Hunt Number Forward Assignment	4-15
Alt +BTT	Station to Class of Service Feature Assignment	4-17
Alt +BTI	Voice Mail/SLT Selection	4-35
Alt +ALN	Tie Line Networking Tandem Connection Assignment	5-01
Alt +BS	Card Interface Slot Assignment	7-1

Centralised Voice Mail (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BS	Telephone Type Assignment	7-2

Class of Service

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08
Alt +BTT	Station to Class of Service Feature Assignment	4-17

Clock/Calendar Display

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BT	✱Time Display (12h/24h) Selection	1-8-04

Note: The Clock/Calendar can only be set from Ports 01 and 02.

Code Restriction

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +AC	System Speed Dial Restriction by Tenant	1-1-18
Alt +BO	Line Selection Using Outgoing	1-1-19
Alt +BA	PBX/CTX Access Code Assignment I	1-1-24
Alt +BA	PBX/CTX Access Code Assignment II	1-1-25
Alt +BA	Access Code (1-Digit) Assignment	1-1-46
Alt +BA	Access Code (2-Digit) Assignment	1-1-47
Alt +BA	Access Code (3-Digit) Assignment	1-1-48
Alt +AC	8-Digit Matching Table Assignment	1-1-60
Alt +AC	8-Digit Matching Table to Class Assignment	1-1-61
Alt +AC	System Speed Dial Override by Class Selection	1-1-62
Alt +AC	Code Restriction Class Allow/Deny Selection	1-1-65

Code Restriction (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +AC	8-Digit Matching Table to Normal Dial Assignment	1-1-66
Alt +AC	OCC Table Assignment	1-1-67
Alt +AC	8-Digit Matching Table to OCC Table Assignment	1-1-68
Alt +AC	Tie Line Code Restriction Assignment	1-1-69
Alt +AC	Code Restriction Class Assignment when Lockout is Set	1-1-70
Alt +AS	Outgoing Mode Selection	1-5-23
Alt +BTS	Class of Service (Attendant	1-8-07
Alt +BTS	Class of Service (Station)	1-8-08
Alt +BD	DISA ID Code Assignment	1-9-00
Alt +BD	DISA Password Effect/Invalid Selection	1-9-02
Alt +BO	ID Restriction Class Assignment (Day Mode)	1-9-03
Alt +BO	ID Restriction Class Assignment (Night Mode)	1-9-04
Alt +BN	Trunk to Tenant Assignment	2-01
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03
Alt +BCT	Trunk Type Selection	3-91
Alt +AC	Code Restriction Class Assignment (Day Mode)	4-07
Alt +AC	✱ Code Restriction Class Assignment (Night Mode)	4-08
Alt +BTT	Telephone to Tenant Assignment	4-09
Alt +BTT	Station to Class of Service Feature Assignment	4-17
Alt +BTT	Trunk Outgoing Restriction	4-19
Alt +BD	DISA ID Number Station Assignment	4-26
Alt +BO	ID Outgoing Restriction Selection	4-27
Alt +BTT	Trunk Digit Restriction	4-32
Alt +AC	8-Digit Matching Table to Trunk Group Assignment	5-02
Alt +AC	OCC Table to Trunk Group Assignment	5-03

CO/PBX/TIE Line Digit Restriction

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTT	Trunk Digit Restriction	4-32

Refer to E&M Tie Lines (4-Wire) on page -475 and to Code Restriction on page 1-465

Cordless Telephone Connection

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTM	APR Ring Mode Assignment	4-39

Customized Message

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BI	Customized Message 1~10 Assignment	1-2-09~18
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08
Alt +BTT	Station to Class of Service Feature Assignment	4-17

Data Line Security

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTT	✱SLT Data Line Security Assignment	4-90

Delay Announcement

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	✱Access Code (1-, 2-, 3-Digit) Assignment	1-1-46/47/48 (Item 501)
Alt +AR	First Delay Announcement Start Time Selection	1-1-71
Alt +AR	First Delay Announcement Repeat Selection	1-1-72
Alt +AR	First to Second Delay Announcement Interval Time Selection	1-1-73
Alt +AR	Second Delay Announcement Repeat Selection	1-1-74
Alt +AR	Second Delay Announcement Repeat Interval Time Selection	1-1-75

Delay Announcement (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +AR	VRS Message Recording Time Selection	1-8-12
Alt +AR	✱VRS Message Function Assignment	1-8-13
Alt +AR	✱Delay Announcement Assignment	3-41

Note 1:   To record the Delay Announcements:

First Announcement – Dial Access Code ⇨ Dial ① ⇨ Dial ③ ⇨ Dial ①

(Access Codes are set in Memory Blocks 1-1-46, 1-1-47, or 1-1-48)

Second Announcement – Dial Access Code ⇨ Dial ① ⇨ Dial ③ ⇨ Dial ②

(Access Codes are set in Memory Blocks 1-1-46, 1-1-47, or 1-1-48)

Note 2:   Requires an MIFA-U13 ETU or MIFM-U13 ETU before the Memory Block can be programmed.

Note 3:   Incoming analogue trunks must provide Reversal On Idle and Reversal On Answer signalling for correct logging of abandoned calls.

Delayed Ringing

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BCM	✱Delayed Ringing Timer Assignment (CO)	1-1-77
Alt +BI	Delayed Ringing Timer Assignment (ICM)	1-2-26
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02
Alt +BTM	Line Selection for Telephone Mode	4-12
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38

Dial 9 for Attendant

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Code (1-Digit) Assignment	1-1-46
Alt +BA	Specified Station Access Code Assignment	1-2-08
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07
Alt +BTT	Station to Class of Service Feature Assignment	4-17

Digit Insertion

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BA	✱Access Code (1~3-Digit) Assignment	1-1-46~48
`Alt`+BCS	✱ Networking Trunk Group/Route Advance Assignment	1-1-49
`Alt`+BCS	✱ CO/PBX Outgoing Digit Add Assignment	1-1-50
`Alt`+BCT	Trunk-to-Trunk Group Assignment	3-03
`Alt`+BS	Station Number Assignment	4-10

The diagram shows the Memory Blocks programmed for Digit Insertion.

Outside Numbers

```
Centrex
Central Office

4600~4620        4621~4899
```

Xen Master

Other Centrex Number

100 ~ 120
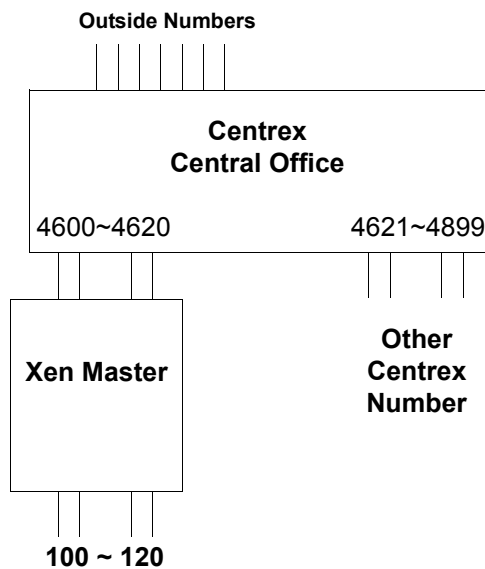
Calling

Outside Call – Dial 0 (System adds '0')
Centrex Call – 46XX ~ 48XX

MB 1-1-46
AC 9 = Item 401

MB 1-1-47
AC 46 = Item 402
AC 47 = Item 403
AC 48 = Item 404

MB 1-1-49
BLK 01= 101
BLK 02= 101
BLK 03= 101
BLK 04= 101

MB 1-1-50
BLK 01= Add 9
BLK 02= Add 46
BLK 03= Add 47
BLK 04= Add 48

Abbreviations:
AC = Access Code
BLK = Block
MB = Memory Block

Digital Voice Mail

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BTD	Attendant Add-On Console Key Selection	1-6-05
`Alt`+BTS	Class of Service (Station) Feature Selection 2	1-8-08 (Pg.4, LK5 & LK6)
`Alt`+BN	Line Key Selection for Tenant Mode	2-06
`Alt`+BCT	DIT Assignment	3-42
`Alt`+BCT	ANA Assignment	3-43
`Alt`+AV	Live Recording Trunk Selection	3-45

Digital Voice Mail (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BS	Station Number Assignment	4-10
Alt +BTM	Line Key Selection for Telephone Mode	4-12
Alt +BTT	Intercom Master Hunt Number Selection	4-14
Alt +BTT	Intercom Master Hunt Number Forward Selection	4-15
Alt +BTT	Station to Class of Service Feature Assignment	4-17
Alt +BS	Telephone Type Assignment	7-2

Direct Inward Dialling (DID)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +ALM	Tie Line Delay Ringing Timer Selection	1-1-07
Alt +ALN	DID Digit Length Selection	1-1-20
Alt +ALN	DID Digit conversion Assignment	1-1-21
Alt +ALN	DID Digit Conversion Table	1-1-22
Alt +ALN	DID Forward Station Number for Undefined Digit	1-1-23
Alt +ALN	Tie Line First Ring Pattern Selection	1-1-34
Alt +ALN	Tie Line Delay Ring Pattern Selection	1-1-53
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03
Alt +ALT	Tie Line Type Assignment	3-14
Alt +ALM	Tie Line Length of Wink Signal Selection	3-21
Alt +ALM	Tie Line Length of Delay Signal Selection	3-22
Alt +BCT	Tie Line Dial Tone Selection	3-27
Alt +ALT	Trunk Type Selection	3-91
Alt +ALN	Digit Add/Delete for Tie Line Networking	5-00
Alt +BS	Card Interface Slot Assignment	7-1

Direct Inward System Access (DISA) without VRS Message

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Codes (1~3-Digit) Assignment	1-1-46~48 (Items 251, 252, and 253)
Alt +AU	Automated Attendant First Digit PBR Release Timer Selection	1-4-01
Alt +AU	Automated Attendant PBR Timeout Response Selection	1-4-08
Alt +AU	✽Automated Attendant Message Day/Night Mode Selection	1-4-11
Alt +AU	Automated Attendant Message Access Code (1-Digit) Assignment	1-4-14
Alt +AU	Automated Attendant Message Access Code (2-Digit) Assignment	1-4-15
Alt +BTI	✽ SLT or Automated Attendant/DISA to PBR Selection	1-8-01
Alt +AU	PBR Receive Level Assignment for Automated Attendant/ DISA	1-8-02
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07 (Pg. 2, LK 5 and LK6)
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08 (Pg. 2, LK8)
Alt +BD	DISA ID Code Assignment	1-9-00
Alt +BD	DISA Password Effect/Invalid Selection	1-9-02
Alt +BCT	✽ Trunk Incoming Answer Mode Selection	3-05
Alt +BD	DISA ID Number Station Assignment	4-26

Direct Inward System Access (DISA) with VRS Message

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48 (Items 251, 252, 253, and 501)
Alt +AU	Automated Attendant First Digit PBR Release Timer Selection	1-4-01
Alt +AT	Tandem Transfer SMDR Print Extension Assignment	1-4-04
Alt +AU	Automated Attendant PBR Timeout Response Selection	1-4-08

Direct Inward System Access (DISA) with VRS Message (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +AU	Automated Attendant PBR Start Time Selection	1-4-09
Alt +AU	✱ Automated Attendant Message Day/Night Mode Selection	1-4-11
Alt +AU	Automated Attendant Message to Tenant Assignment	1-4-12
Alt +AU	Automated Attendant Answer Delay Time Assignment	1-4-13
Alt +AU	Automated Attendant Message Access Code (1-Digit) Assignment	1-4-14
Alt +AU	Automated Attendant Message Access Code (2-Digit) Assignment	1-4-15
Alt +AU	Automated Attendant Message Repeat Selection	1-4-16
Alt +BTI	✱ SLT or Automated Attendant/DISA to PBR Selection	1-8-01
Alt +AU	PBR Receive Level Assignment for Automated Attendant/ DISA	1-8-02
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07 (Pg. 2, LK 5 and LK6)
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08 (Pg. 2, LK8)
Alt +AR	VRS Message Recording Time Selection	1-8-12
Alt +AR	VRS Message Function Assignment	1-8-13
Alt +BI	Tone Assignment	1-8-15 (Table 2)
Alt +BD	DISA ID Code Assignment	1-9-00
Alt +BD	DISA Password Effect/Invalid Selection	1-9-02
Alt +BCT	✱ Trunk Incoming Answer Mode Selection	3-05
Alt +AU	Automated Attendant Message to Trunk Selection	3-38
Alt +BD	DISA ID Number Station Assignment	4-26

Direct Inward Termination

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BT	Call Forward No Answer Timer Selection	1-2-22
Alt +BCT	✱DIT Assignment	3-42

Direct Inward Termination (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BCT	✱ANA Assignment	3-43
Alt +BTT	Call Forward – Busy Immediately/Delay Selection	4-42

Direct Paging Access

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access code (1-, 2- or 3-Digit) Assignment	1-1-46/47/48
Alt +BTD	Attendant Add-On Console Key Assignment	1-6-05
Alt +BTM	Line Key Selection Telephone Mode	4-12

Direct Station Selection

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTD	Attendant Add-On Console to Telephone Port Assignment	1-6-01
Alt +BTD	DSS Call Voice/Tone Selection	1-6-03
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05
Alt +BN	Line Key Selection	2-05
Alt +BN	Line Key Selection for Tenant Mode	2-06
Alt +BTM	Line Key Selection for Telephone Mode	4-12
Alt +BS	Card Interface Slot Assignment	7-2

Distinctive Ringing

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BT	CO/PBX Incoming Ringing alarm Time Selection	1-1-06
Alt +BTS	Distinctive Ringing by Telephone or CO Selection	1-1-28
Alt +BCS	CO Line Ringing Pattern Selection	1-1-51
Alt +BCS	PBX Line Ringing Pattern Selection	1-1-52
Alt +ALN	Tie Line Delay Ring Pattern Selection	1-1-53

Distinctive Ringing (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BCS	Synchronous Ringing Selection	1-1-59
Alt +BCT	CO/PBX Ringing Variation Selection	3-07
Alt +BTT	CO Ringing Pattern Selection for Telephone Mode	4-55
Alt +BTT	CO Line Ringing Pattern by Telephone or CO Selection	4-57
Alt +BCT	CO Ringing Pattern Selection for CO/PBX Line Mode	3-67

Do Not Disturb

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08
Alt +BTT	Station to Class of Service Feature Assignment	4-17

Door/Monitor Telephone

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTP	Doorphone Assignment	1-7-00
Alt +BTP	Doorphone Display Time Selection	1-7-01
Alt +BTP	CO/PBX Ringing Pattern Selection	1-7-04
Alt +BTP	CO/PBX Ringing Frequency Selection	1-7-05
Alt +BTP	CO/PBX Chime Assignment (Day Mode)	4-03
Alt +BTP	CO/PBX Chime Assignment (Night Mode)	4-04

Drop Key

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BN	Line Key Selection	2-05
Alt +BN	Line Key Selection for Tenant Mode	2-06
Alt +BTM	Line Key Selection for Telephone Mode	4-12

Elapsed Call Timer

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BT	Start Timer Selection	1-1-05
`Alt`+BCT	Polarity Reverse Selection	3-90
`Alt`+BTM	Line Key Selection for Telephone Mode	4-12
`Alt`+BS	Card Interface Slot Assignment	7-1

E&M Tie Lines (4-Wire)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+ALM	Tie Line Delay Ringing Timer Selection	1-1-07
`Alt`+ALN	Tie Line First Ring Pattern Selection	1-1-34
`Alt`+ALN	Tie Line Delay Ring Pattern Selection	1-1-53
`Alt`+AC	Tie Line Code Restriction Assignment	1-1-69
`Alt`+BCT	Trunk-to-Trunk Group Assignment	3-03
`Alt`+ALT	Tie Line Type Assignment	3-14
`Alt`+BCT	Trunk DTMF Duration/Interdigit Selection	3-15
`Alt`+ALM	Tie Line Prepause Time Selection	3-16
`Alt`+ALM	Tie Line Answer Detect Time Selection	3-17
`Alt`+ALM	Tie Line Release Detect Time Selection	3-18
`Alt`+BCT	Tie Line/CO/PBX Incoming Signal Detect Time Selection	3-19
`Alt`+ALM	Tie Line Loop Off-Guard Time Selection	3-20
`Alt`+ALM	Tie Line Length of Wink Signal Selection	3-21
`Alt`+ALM	Tie Line Length of Delay Signal Selection	3-22
`Alt`+ALM	Tie Line Incoming Interdigit Timeout Selection	3-24
`Alt`+ALM	Tie Line Wink/Delay Signal Detect Timeout Selection	3-25
`Alt`+ALT	Tie Line Dial Tone Selection	3-27
`Alt`+ALT	Tie Line Reorder Tone Selection	3-28

E&M Tie Lines (4-Wire) (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+ALT	Trunk Internal Transmit Pad Selection	3-29
[Alt]+ALT	Trunk Internal Receive Pad Selection	3-30
[Alt]+ALT	Trunk External Transmit Pad Selection	3-31
[Alt]+ALT	Trunk External Receive Pad Selection	3-32
[Alt]+BCT	Trunk Type Selection	3-91
[Alt]+BCT	Trunk (Installed, DP/DTMF) Selection	3-92

Equal Access Accommodation

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+AC	8-Digit Matching Table to Class Assignment	1-1-61
[Alt]+AC	OCC Table Assignment	1-1-67
[Alt]+AC	8-Digit Matching Table to OCC Table Assignment	1-1-68
[Alt]+AC	✱Code Restriction Class Assignment (Day Mode)	4-07
[Alt]+AC	✱Code Restriction Class Assignment (Night Mode)	4-08
[Alt]+AC	OCC Table to Trunk Group Assignment	5-03

External Tone Ringer

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+BP	External Ring Relay Cycle Selection	1-7-07
[Alt]+BN	✱ECR Relay to Tenant Assignment	2-08

External Zone Paging (Meet-Me)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
[Alt]+BTD	Attendant Add-On Console Key Assignment	1-6-05
[Alt]+BN	Line Key Selection	2-05

External Zone Paging (Meet-Me) (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BN	Line Key Selection for Tenant Mode	2-06
Alt +BTM	Line Key Selection for Telephone Mode	4-12

Feature Access - User Programmable

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BN	Line Key Selection	2-05
Alt +BN	Line Key Selection for Tenant Mode	2-06
Alt +BTM	Line Key Selection for Telephone Mode	4-12

Flexible Line Assignment

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BN	Line Key Selection	2-05
Alt +BN	Line Key Selection for Tenant Mode	2-06
Alt +BTM	Line Key Selection for Telephone Mode	4-12

Flexible Numbering Plan

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Code (1- or 2-Digit) Assignment	1-1-46/47
Alt +BS	2-, 3-, or 4-Digit Station Numbering Selection	1-2-03
Alt +BS	✱Station Number Assignment	4-10

Flexible Ringing Assignment

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTS	Distinctive Ring by Telephone or CO Selection	1-1-28
Alt +BCT	CO/PBX Ringing Variation Selection	3-07
Alt +BTT	CO/PBX Ring Assignment (Day Mode)	4-01

Flexible Ringing Assignment (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTT	CO/PBX Ring Assignment (Night Mode)	4-02
Alt +BTM	Extension Line Key Ring Assignment (Day Mode)	4-37
Alt +BTM	Extension Line Key Ring Assignment (Night Mode)	4-38
Alt +BTM	✱Off-Hook Ringing Selection	4-51
Alt +BTM	Telephone Ringing Variation Selection	4-91

Flexible Timeouts

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BCM	Pause Time Selection	1-1-00
Alt +BCM	DP Interdigit Time Selection	1-1-01
Alt +BCM	Hookflash Time Selection	1-1-02
Alt +BT	Hold Recall Time Selection (Non-Exclusive Hold)	1-1-03
Alt +BT	Start Timer Selection	1-1-05
Alt +BT	CO/PBX Incoming Ringing Alarm Time Selection	1-1-06
Alt +ALM	Tie Line Delay Ringing Timer Selection	1-1-07
Alt +BT	Station Transfer/Camp-On Recall Timer Selection	1-1-12
Alt +BT	Trunk Queuing Timeout Selection	1-1-37
Alt +BCM	CO/PBX Prepause Timer Selection	1-1-57
Alt +BT	Hold Recall Time Selection (Exclusive)	1-1-63
Alt +BT	Attendant Add-On Console Transfer/Camp-On Recall Timer Selection	1-1-64
Alt +AR	First Delay Announcement Start Time Selection	1-1-71
Alt +AR	First to Second Delay Announcement Interval Time Selection	1-1-73
Alt +AR	Second Delay Announcement Repeat Interval Time Selection	1-1-75
Alt +AN	ISDN DTMFD duration/Interdigit Time Selection	1-1-80
Alt +BP	Internal Paging Timeout Selection	1-2-00

Flexible Timeouts (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BT	Automatic Callback Release Timer Selection	1-2-02
Alt +BT	Call Forward No Answer Timer Selection	1-2-22
Alt +BT	System Call Park Recall Time Selection	1-2-23
Alt +BTI	Bounce Protect Time Selection	1-3-01
Alt +BTI	First Digit PBR Release Timer Selection	1-3-03
Alt +BTI	Hookflash Start Time Selection	1-3-05
Alt +BTI	Hookflash End Time Selection	1-3-06
Alt +AV	Voice Mail DTMF Delay Time Selection	1-3-08
Alt +AV	Voice Mail Disconnect Time Selection	1-3-09
Alt +AV	Voice Mail DTMF Duration/Interdigit Time Selection	1-3-10
Alt +AT	Tandem Transfer Automatic Disconnect Timer Selection	1-4-00
Alt +AU	Automated Attendant First Digit PBR Release Timer Selection	1-4-01
Alt +AU	Automated Attendant Transfer Delayed Ringing Time Selection	1-4-02
Alt +AU	Automated Attendant No Answer Disconnect Time Selection	1-4-03
Alt +AU	Automated Attendant Answer Delay Time Assignment	1-4-13
Alt +AU	Automated Attendant 1st to 2nd Delay Announcement Interval	1-4-19
Alt +AU	Automated Attendant Delay Announcement Disconnect Time Selection	1-4-20
Alt +AS	SMDR Valid Call Timer Assignment	1-5-25
Alt +BTP	Doorphone Display Time Selection	1-7-01
Alt +BP	External Paging Timeout Selection	1-7-06
Alt +BP	External Speaker Chime Start Time Selection	1-7-09
Alt +BT	PBR Interdigit Release Timer Selection	1-8-10
Alt +BT	System Refresh Timer Assignment	1-8-11
Alt +AA	ACD/UCD Overflow Timer Selection	1-12-02

Flexible Timeouts (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+BCT	Trunk DTMF Duration/Interdigit Selection	3-15
[Alt]+ALM	Tie Line Prepause Time Selection	3-16
[Alt]+ALM	Tie Line Answer Detect Time Selection	3-17
[Alt]+ALM	Tie Line Release Detect Time Selection	3-18
[Alt]+BCT	Tie Line CO/PBX Incoming Signal Detect Time Selection	3-19
[Alt]+ALM	Tie Line Loop Off-Guard Time Selection	3-20
[Alt]+ALM	Tie Line Length of Wink Signal Selection	3-21
[Alt]+ALM	Tie Line Length of Delay Signal Selection	3-22
[Alt]+ALM	Tie Line Incoming Interdigit Timeout Selection	3-24
[Alt]+ALM	Tie Line Wink/Delay Signal Detect Timeout Selection	3-25
[Alt]+BCT	Disconnect Recognition Time Selection	3-33

Full Handsfree Operation

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+BTM	✱HFU Selection	4-29

Group Listening

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+BTS	✱Class of Service (Station) Feature Selection 2	1-8-08
[Alt]+BTT	Station to Class of Service Feature Assignment	4-17

Headset Connection

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+BN	Line Key Selection	2-05
[Alt]+BN	Line Key Selection for Tenant Mode	2-06
[Alt]+BTM	✱Line Key Selection for Telephone Mode	4-12

Hold with Recall (Exclusive and Non-Exclusive)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BT	Hold Recall Timer Selection (Non-Exclusive Hold)	1-1-03
`Alt`+BT	Hold Recall Time Selection (Exclusive)	1-1-63
`Alt`+BTM	Hold/Transfer Recall Display Selection	4-30

Hot Line

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
`Alt`+BTT	Prime Line/Hot Line Assignment	4-23

Howler Tone Service

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BI	Tone Assignment	1-8-15

Incoming Call Identification

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BCT	Trunk Name/Number Assignment	3-00
`Alt`+BTT	Station Name Assignment	4-18

Internal Voice/Tone Signalling

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BI	Intercom Call Voice/Tone Signal Selection	1-2-01
`Alt`+BTD	DSS Call Voice/Tone Signal Selection	1-6-03

Internal Zone Paging (Meet-Me)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BP	Internal Paging Timeout Selection	1-2-00
`Alt`+BP	Internal Paging Alert Tone Selection	1-2-25
`Alt`+BTT	Receiving Internal/All Call Page Selection	4-31
`Alt`+BTM	✱Internal Zone Paging Selection	4-93

ISDN - Basic Rate

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+AN	ISDN DTMF Duration/Interdigit Selection	1-1-80
`Alt`+BCT	✱Trunk Name/Number Assignment	3-00
`Alt`+AN	ISDN Trunk Directory Number Assignment	3-52
`Alt`+BS	Card Interface Slot Assignment	7-1

ISDN - Caller ID

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+AI	Caller ID Display Assignment for System Mode	1-1-78
`Alt`+BTS	Class of Service (Station) Feature Selection 2	1-8-08 (Pg. LK3/LK4)
`Alt`+AI	Caller ID Display Assignment for CO/PBX Line	3-44
`Alt`+AI	Caller Name Indication Selection	3-53

ISDN - Primary Rate

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+AN	ISDN DTMF Duration/Interdigit Time Selection	1-1-80
`Alt`+AN	✱PRI ISDN Channel Number Selection	1-13-00
`Alt`+BCT	✱Trunk Name/Number Assignment	3-00
`Alt`+AN	✱ISDN Trunk Directory Number Assignment	3-52
`Alt`+AN	✱Card Interface Slot Assignment	7-1

Least Cost Routing (LCR)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
`Alt`+BCT	Trunk-to-Trunk Group Assignment	3-03
`Alt`+BCT	Trunk Type Selection	3-91

Least Cost Routing (LCR) (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTT	✱LCR Class Selection	4-40
Alt +BS	Card Interface Slot Assignment	7-1
Alt +BS	MIF (LCR) Assignment	7-3-01

Live Monitoring

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTS	Class of Service Feature Selection 2	1-8-08 (Page 5 LK6)
Alt +BTM	✱Line Key Selection for Telephone Mode	4-12

Message Waiting

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTD	Attendant Add-On Console Key Selection	1-6-05

Multiline Conference Bridge

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BS	Universal Assignment (Assignment slot with CNF as SLI(8))	7-1
Alt +BTT	Intercom Master Hunt Number Selection	4-14
Alt +BTT	Intercom Master Hunt Number Forward Assignment	4-15
Alt +BTI	Voicemail/SLT Selection	4-35

Multilingual LCD Indication

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BI	Customized Message 1~10 Assignment	1-2-09 ~ 18
Alt +BTT	Station Name Assignment	4-18
Alt +BTM	✱Multilingual LCD Indication Selection	4-28

Multiple Trunk Groups

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
`Alt`+BCT	Trunk-to-Trunk Group Assignment	3-03

Music on Hold

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BCS	Music on Hold Pattern Selection	1-8-09
`Alt`+AN	CO External Source Selection	3-11
`Alt`+AN	CO Hold Melody Selection	3-12

Night Call Pickup

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
`Alt`+BN	ECR Relay to Tenant Assignment	2-08

Night Chime

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BN	✽ECR Relay to Tenant Assignment	2-08
`Alt`+BS	Card Interface Slot Assignment	7-1

Night Transfer

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BTD	Attendant Add-On Console Key Selection	1-6-05
`Alt`+BTS	Class of Service (Attendant) Feature Selection 1	1-8-07
`Alt`+BN	Trunk to Tenant Assignment	2-01
`Alt`+BCT	Trunk-to-Trunk Group Assignment	3-03

Night Transfer (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
⎡Alt⎤+BCT	ANA Assignment (Assigned Night Answer)	3-43
⎡Alt⎤+BCT	DIT Holiday Mode Enable	3-63
⎡Alt⎤+BCT	DIT Night Mode Delay Answer Enable	3-64
⎡Alt⎤+BTT	CO/PBX Ring Assignment (Day Mode)	4-01
⎡Alt⎤+BTT	CO/PBX Ring Assignment (Night Mode)	4-02
⎡Alt⎤+AC	Code Restriction Class Assignment (Day Mode)	4-07
⎡Alt⎤+AC	Code Restriction Class Assignment (Night Mode)	4-08
⎡Alt⎤+BTT	Telephone to Tenant Assignment	4-09
⎡Alt⎤+BTT	Station to Class of Service Feature Assignment	4-17
⎡Alt⎤+BTM	Extension Line Key Ring Assignment (Day Mode)	4-37
⎡Alt⎤+BTM	Extension Line Key Ring Assignment (Night Mode)	4-38
⎡Alt⎤+BTM	CO/PBX Answer Key Operation without Ringing Assignment (DY)	4-52
⎡Alt⎤+BTM	CO/PBX Answer Key Operation without Ringing Assignment (NT)	4-53

Off-Hook Ringing Selection

Menu Access Keyboard Shortcut	System Data Name	Memory Block
⎡Alt⎤+BTS	Off-Hook Ringing Selection	4-51

PC Programming

Menu Access Keyboard Shortcut	System Data Name	Memory Block
⎡Alt⎤+CSP	PC Programming Password Assignment	1-8-17
⎡Alt⎤+CSN	Site Name Assignment	1-8-18
⎡Alt⎤+BS	Card Interface Slot Assignment	7-1
⎡Alt⎤+BS	MIF (LCR) Assignment	7-3-01
⎡Alt⎤+BS	MIF (SMDR) Assignment	7-3-02

Pooled Line (Outgoing)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BN	Line Key Selection	2-05
Alt +BN	Line Key Selection for Tenant Mode	2-06
Alt +BCT	Trunk-to-Trunk Group Assignment	3-03
Alt +BTM	✳Line Key Selection for Telephone Mode	4-12

Preset Dialling

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTS	Class of service (Station) Feature Selection 2	1-8-08 Page 5 Line Key 5
Alt +AI	Caller ID/Preset Dial Outgoing CO Selection	4-44

Prime Line Assignment

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
Alt +BTT	✳Prime Line/Hot Line Assignment	4-23

Private Lines

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BCS	✳✳Private Line Assignment	1-1-29

Privacy Release

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BN	Trunk to Tenant Assignment	2-01
Alt +BN	Line Key Selection	2-05
Alt +BN	Line Key Selection for Tenant Mode	2-06
Alt +BTT	Telephone to Tenant Assignment	4-09
Alt +BTM	Line Key Selection for Telephone Mode	4-12

Recall Key

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+BCM	✱✱Hookflash Time Selection	1-1-02

Restriction (Outgoing)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+BTT	✱Trunk Outgoing Restriction	4-19

Ringing Line Preference

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+BTS	Class of Service (Station) Feature Selection 2	1-8-08
[Alt]+BTM	✱Ringing Line Preference Selection	4-11
[Alt]+BTM	SIE/CAR Ringing Line Preference Selection	4-41

Route Advance Block

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+BCS	✱Route Advance Block Assignment	1-1-30
[Alt]+BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
[Alt]+BN	Line Key Selection	2-05
[Alt]+BN	Line Key Selection for Tenant Mode	2-06
[Alt]+BCT	Trunk-to-Trunk Group Assignment	3-03
[Alt]+BTM	✱Line Key Selection for Telephone Mode	4-12

Scrolling Directories
(New Zealand - not supported for CO Trunks)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+AC	System Speed Dial Restriction by Tenant	1-1-18
[Alt]+BE	Speed Dial Number/Name Display Selection	1-1-33

Scrolling Directories (Continued)
(New Zealand - not supported for CO Trunks) (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
⌨Alt+BE	Speed Dial Buffer Allocation	1-1-35
⌨Alt+BN	System Speed Dial Display Assignment	2-07

Secondary Incoming Extension

Menu Access Keyboard Shortcut	System Data Name	Memory Block
⌨Alt+BN	Line Key Selection	2-05
⌨Alt+BN	Line Key Selection for Tenant Mode	2-06
⌨Alt+BTM	✱Line Key Selection for Telephone Mode	4-12
⌨Alt+BTM	Extension Line Key Ring Assignment (Day Mode)	4-37
⌨Alt+BTM	Extension Line Key Ring Assignment (Night Mode)	4-38
⌨Alt+BTM	SIE/CAR Ringing Line Preference Selection	4-41

Seized Trunk Number Display

Menu Access Keyboard Shortcut	System Data Name	Memory Block
⌨Alt+BCT	✱Trunk Name/Number Assignment	3-00

Simplified Call Distribution

Menu Access Keyboard Shortcut	System Data Name	Memory Block
⌨Alt+AAA	SCD (Simplified Call Distribution) Pilot Number Assignment	1-8-29
⌨Alt+AA	SCD Group Agent Assignment	1-8-30
⌨Alt+BLT	DIT Assignment	3-42
⌨Alt+BLT	ANA Assignment	3-43

Single Line Telephone Access

Menu Access Keyboard Shortcut	System Data Name	Memory Block
⌨Alt+BTI	Bounce Protect Time Selection	1-3-01

Single Line Telephone Access (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BTI	SLT Hookflash Signal Selection	1-3-02
`Alt`+BTI	First Digit PBR Release Timer Selection	1-3-03
`Alt`+BTI	Dial 1 (DP) Hookflash Selection	1-3-04
`Alt`+BTI	Hookflash Start Time Selection	1-3-05
`Alt`+BTI	Hookflash End Time Selection	1-3-06
`Alt`+BTI	SLT or Automated Attendant/DISA to PBR Selection	1-8-01
`Alt`+BCT	DIT Assignment	3-42
`Alt`+BCT	ANA Assignment	3-43
`Alt`+BTT	CO/PBX Ring Assignment (Day Mode)	4-01
`Alt`+BTT	CO/PBX Ring Assignment (Night Mode)	4-02
`Alt`+BTT	Telephone to Tenant Assignment	4-09
`Alt`+BTT	Station Name Assignment	4-18
`Alt`+BTI	SLT Hookflash Assignment	4-24
`Alt`+BTI	Voice Mail/SLT Selection	4-35
`Alt`+BTT	SLT Data Line Security Assignment	4-90
`Alt`+BTI	DTMF/DP SLT Type Selection	4-95

SLT Adapter

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BS	Station Number Assignment	4-10
`Alt`+BS	Telephone Type Assignment	7-2

SLT Timed Alarm

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BA	Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
`Alt`+BTS	Class of Service (Attendant) Feature Selection 1	1-8-07

SLT Timed Alarm (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTT	Station to Class of Service Feature Assignment	4-17

Speed Dial Stored Characters

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BE	Speed Dial Number/Name Display Selection	1-1-33
Alt +BE	Speed Dial Buffer Allocation	1-1-35

Speed Dial Station

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BE	Speed Dial Buffer Allocation	1-1-35

Speed Dial System

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +AC	System Speed Dial Restriction by Tenant	1-1-18
Alt +BE	Speed Dial Number/Name Display Selection	1-1-33
Alt +BE	Speed Dial Buffer Allocation	1-1-35
Alt +AC	System Speed Dial Override by Class Selection	1-1-62
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07
Alt +BN	System Speed Dial Display Assignment	2-07
Alt +BTT	Station to Class of Service Feature Assignment	4-17

Station Hunting

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTT	✶Intercom Master Hunt Number Selection	4-14
Alt +BTT	✶✶Intercom Master Hunt Number Forward Assignment	4-15

Station Message Detail Recording (SMDR)

| Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BT	Start Timer Selection	1-1-05
Alt +AS	SMDR Print Format	1-5-02
Alt +AS	✱Printer Connected Selection	1-5-13
Alt +AS	Printer Line Feed Control Selection	1-5-14
Alt +AS	SMDR Valid Call Timer Assignment	1-5-25
Alt +AS	SMDR Incoming/Outgoing Print Selection	1-5-26
Alt +BS	Card Interface Slot Assignment	7-1
Alt +BS	MIF (LCR) Assignment	7-3-01
Alt +BS	MIF (SMDR) Assignment	7-3-02

Station Outgoing Lockout

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	✱Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
Alt +AC	Code Restriction Class Assignment when Lockout is Set	1-1-70
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08
Alt +BTT	Station to Class of Service Feature Assignment	4-17

Station Relocation

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	✱Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
Alt +BTS	Class of Service (Attendant) Feature Selection 1	1-8-07 (Pg. 3, LK1)
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08 (Pg. 5, LK3)
Alt +BTT	Station to Class of Service Feature Assignment	4-17

Station Transfer

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BTS	System Transfer/Camp-On Selection	1-1-11
Alt +BT	System Transfer/Camp-On Recall Timer Selection	1-1-12
Alt +BCS	CO Transfer Ring Pattern Selection	1-1-13
Alt +BCS	CO Transfer Ring Tone Selection	1-1-14

Step Call

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Intercom Feature Access Code Assignment	1-2-24
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08
Alt +BTT	Station to Class of Service Feature Assignment	4-17

Stored Hookflash

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BCM	Hookflash Time Selection	1-1-02

Synchronous Ringing

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BCS	Synchronous Ringing Selection	1-1-59

Tandem Switching of 4-Wire E&M Tie Lines

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +ALN	Tie Line Networking Tandem Connection Assignment	5-01

Refer to E&M Tie Lines (4-Wire) on page -475, Uniform Numbering Network – Closed Numbering Plan on page -496, and Uniform Numbering Network – Open Numbering Plan on page -497.

Tenant Service

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+AU	Automated Attendant Message to Tenant Assignment	1-4-12
`Alt`+BN	Trunk to Tenant Assignment	2-01
`Alt`+BN	Line Key Selection	2-05
`Alt`+BN	Line Key Selection for Tenant Mode	2-06
`Alt`+BN	System Speed Dial Display Assignment	2-07
`Alt`+BN	ECR Relay to Tenant Assignment	2-08
`Alt`+BTT	Telephone to Tenant Assignment	4-09

Three-Minute Reminder

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BTM	3-Minute Alarm Selection	4-94

Tone Override

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BTS	Class of Service (Station) Feature Selection 2	1-8-08
`Alt`+BTT	Station to Class of Service Feature Assignment	4-17

Trunk Queuing

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BT	Trunk Queuing Timeout Selection	1-1-37
`Alt`+BTS	Class of Service (Station) Feature Selection 2	1-8-08
`Alt`+BTT	Station to Class of Service Feature Assignment	4-17

Trunk-to-Trunk Transfer

Menu Access Keyboard Shortcut	System Data Name	Memory Block
⌨Alt+AT	Tandem Transfer Automatic Disconnect Timer Selection	1-4-00
⌨Alt+BTS	Class of Service (Attendant) Feature Selection 1	1-8-07
⌨Alt+BTS	✱Class of Service (Station) Feature Selection 2	1-8-08
⌨Alt+BCT	✱Trunk-to-Trunk Transfer Yes/No Selection	3-04
⌨Alt+BTT	Station to Class of Service Feature Assignment	4-17

Uniform Call Distribution (UCD)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
⌨Alt+BA	✱Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48 (Items 031, 032 and 040)
⌨Alt+BT	Call Forward No Answer Timer Selection	1-2-22
⌨Alt+BTS	Class of Service (Station) Feature Selection 2	1-8-08 (Pg., LK1, LK4, and LK5)
⌨Alt+AA	✱ACD/UCD Group Agent Assignment	1-8-25
⌨Alt+AA	✱ACD/UCD Group Pilot Number Assignment	1-12-00
⌨Alt+AA	ACD/UCD Group Overflow Destination Assignment	1-12-01
⌨Alt+AA	ACD/UCD Group Overflow Timer Selection	1-12-02
⌨Alt+BCT	✱DIT Assignment	3-42
⌨Alt+BCT	✱ANA Assignment	3-43
⌨Alt+BCT	Polarity Reverse Selection	3-90
⌨Alt+BTM	Line Key Selection for Telephone Mode	4-12
⌨Alt+BS	Card Interface Slot Assignment	7-1
⌨Alt+BS	MIF (UCD) Assignment	7-3-03

Refer to Delay Announcement on page -467.

Uniform Numbering Network – Closed Numbering Plan

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BA	✱Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
`Alt`+BCS	✱Networking Trunk Group/Route Advance Assignment	1-1-49
`Alt`+BCS	✱CO/PBX Outgoing Digit Add Assignment	1-1-50
`Alt`+BCT	Trunk-to-Trunk Group Assignment	3-03
`Alt`+BCT	Trunk (Installed, DP/DTMF) Selection	3-92
`Alt`+BS	Station Number Assignment	4-10
`Alt`+ALN	Tie Line Networking Tandem Connection Assignment	5-01

Voice Mail Message LED on LK/DSS

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BTS	Class of Service (Station) Feature Selection 2	1-8-08
`Alt`+BTT	Station to Class of Service Feature Assignment	4-17
`Alt`+AV	Voice Mail Quick Transfer Master Hunt Number	1-8-26

Example:

The diagram provides an example of Memory Blocks that would be programmed for a Closed Numbering Plan.

<u>**Abbreviations used in the diagram**</u>:

AC = Access Codes	BLK = Block	MB = Memory Block	TRK = Trunk
ACG = Access Item Code	LN = Line	TG = Trunk Group	UD = Uniform Dial


```
        ┌─────────┐   Tie Lines          ┌─────────┐   Tie Lines          ┌─────────┐
        │   Xen   │ (LN 09) – (LN 09)    │   Xen   │ (LN 11) – (LN 09)    │   Xen   │
        │  System │ (LN 10) – (LN 10)    │  System │ (LN 12) – (LN 10)    │  System │
        │         │ (TG 02)    (TG 02)   │         │ (TG 03)    (TG 02)   │         │
        │ (100's) │                      │ (200's) │                      │ (300's) │
        └─────────┘                      └─────────┘                      └─────────┘
```

100 ~ 130
<u>Calling</u>
200 ~ 230
300 ~ 330
400 ~ 430

200 ~ 230
<u>Calling</u>
100 ~ 130
300 ~ 330
400 ~ 430

300 ~ 330
<u>Calling</u>
100 ~ 130
200 ~ 230
400 ~ 430

<u>**MB 1-1-46**</u>
AC 2 = Item 401
AC 3 = Item 402
AC 4 = Item 403

<u>**MB 1-1-46**</u>
AC 1 = Item 401
AC 2 = Item 001
AC 3 = Item 402
AC 4 = Item 403

<u>**MB 1-1-46**</u>
AC 1 = Item 401
AC 2 = Item 402
AC 3 = Item 001
AC 4 = Item 403

<u>**MB 1-1-49**</u>
BLK 01 = 102
BLK 02 = 102
BLK 03 = 102

<u>**MB 1-1-49**</u>
BLK 01 = 102
BLK 02 = 103
BLK 03 = 103

<u>**MB 1-1-49**</u>
BLK 01 = 102
BLK 02 = 102
BLK 03 = 103

<u>**MB 1-1-50**</u>
BLK 01 = Add 2
BLK 02 = Add 3
BLK 03 = Add 4

<u>**MB 1-1-50**</u>
BLK 01 = Add 1
BLK 02 = Add 3
BLK 03 = Add 4

<u>**MB 1-1-50**</u>
BLK 01 = Add 1
BLK 02 = Add 3
BLK 03 = Add 4

<u>**MB 3-03**</u>
TRK 09 = TG 02
TRK 10 = TG 02

<u>**MB 3-03**</u>
TRK 09 = TG 02
TRK 10 = TG 02
TRK 11 = TG 03
TRK 12 = TG 03

<u>**MB 3-03**</u>
TRK 09 = TG 02
TRK 10 = TG 02
TRK 11 = TG 03
TRK 12 = TG 03

<u>**MB 4-10**</u>
All Phones = 2XX

<u>**MB 4-10**</u>
All Phones = 3XX

<u>**MB 5-01**</u>
Default OK

<u>**MB 5-01**</u>
Default OK

<u>**MB 5-01**</u>
Default OK

Uniform Numbering Network – Open Numbering Plan

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BA	✱Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
`Alt`+BCS	✱Networking Trunk Group/Route Advance Assignment	1-1-49
`Alt`+BCS	✱CO/PBX Outgoing Digit Add Assignment	1-1-50
`Alt`+BCT	Trunk-to-Trunk Group Assignment	3-03
`Alt`+BCT	Trunk (Installed, DP/DTMF) Selection	3-92

Uniform Numbering Network – Open Numbering Plan (Continued)

Menu Access Keyboard Shortcut	System Data Name	Memory Block
`Alt`+BS	Station Number Assignment	4-10
`Alt`+ALN	Tie Line Networking Tandem Connection Assignment	5-01

Example:

This diagram provides an example of Memory Blocks that would be programmed for a Closed Numbering Plan.

Abbreviations used in the diagram:

AC = Access Codes   TBL = Table
BLK = Block   TRK = Trunk
MB = Memory Block   TG = Trunk Group
LN = Line

Xen **System #71**	Tie Lines (LN 09) – (LN 09) (LN 10) – (LN 10) (TG 02) (TG 02)	**Xen** **System #72**	Tie Lines (LN 11) – (LN 09) (LN 12) – (LN 10) (TG 03) (TG 02)	**Xen** **System #73**	Tie Lines (LN 11) – (LN 09) (LN 12) – (LN 10) (TG 03) (TG 02)	**Xen** **System #74**

System #71	System #72	System #73	System #74
100 ~ 130	**100 ~ 130**	**100 ~ 130**	**100 ~ 130**
<u>Calling</u> 8 72 100 ~ 130 8 73 100 ~ 130 8 74 100 ~ 130	<u>Calling</u> 8 71 100 ~ 130 8 73 100 ~ 130 8 74 100 ~ 130	<u>Calling</u> 8 71 100 ~ 130 8 72 100 ~ 130 8 74 100 ~ 130	<u>Calling</u> 8 71 100 ~ 130 8 72 100 ~ 130 8 73 100 ~ 130
<u>**MB 1-1-46**</u> AC 8 = Item 000	<u>**MB 1-1-46**</u> AC 8 = Item 000	<u>**MB 1-1-46**</u> AC 8 = Item 000	<u>**MB 1-1-46**</u> AC 8 = Item 000
<u>**MB 1-1-47**</u> AC 71 = Item 082 AC 87 = Item 301	<u>**MB 1-1-47**</u> AC 71 = Item 401 AC 72 = Item 082 AC 73 = Item 402 AC 74 = Item 403 AC 87 = Item 301	<u>**MB 1-1-47**</u> AC 71 = Item 401 AC 72 = Item 402 AC 73 = Item 082 AC 74 = Item 403 AC 87 = Item 301	<u>**MB 1-1-47**</u> AC 74 = Item 082 AC 87 = Item 301
<u>**MB 1-1-48**</u> TBL 1(#2) = Item 401 TBL 1(#3) = Item 402 TBL 1(#4) = Item 403	<u>**MB 1-1-48**</u> TBL 1(#1) = Item 401 TBL 1(#3) = Item 402 TBL 1(#4) = Item 403	<u>**MB 1-1-48**</u> TBL 1(#1) = Item 401 TBL 1(#2) = Item 402 TBL 1(#4) = Item 403	<u>**MB 1-1-48**</u> TBL 1(#1) = Item 401 TBL 1(#2) = Item 402 TBL 1(#3) = Item 403
<u>**MB 1-1-49**</u> BLK 01 = 102 BLK 02 = 102 BLK 03 = 102	<u>**MB 1-1-49**</u> BLK 01 = 102 BLK 02 = 103 BLK 03 = 103	<u>**MB 1-1-49**</u> BLK 01 = 102 BLK 02 = 102 BLK 03 = 103	<u>**MB 1-1-49**</u> BLK 01 = 102 BLK 02 = 102 BLK 03 = 102
<u>**MB 1-1-50**</u> BLK 01 = Add 72 BLK 02 = Add 73 BLK 03 = Add 74	<u>**MB 1-1-50**</u> BLK 01 = Add 71 BLK 02 = Add 73 BLK 03 = Add 74	<u>**MB 1-1-50**</u> BLK 01 = Add 71 BLK 02 = Add 72 BLK 03 = Add 74	<u>**MB 1-1-50**</u> BLK 01 = Add 71 BLK 02 = Add 72 BLK 03 = Add 73
<u>**MB 3-03**</u> TRK 09 = TG 02 TRK 10 = TG 02	<u>**MB 3-03**</u> TRK 09 = TG 02 TRK 10 = TG 02 TRK 11 = TG 03 TRK 12 = TG 03	<u>**MB 3-03**</u> TRK 09 = TG 02 TRK 10 = TG 02 TRK 11 = TG 03 TRK 12 = TG 03	<u>**MB 3-03**</u> TRK 09 = TG 02 TRK 10 = TG 02
<u>**MB 5-01**</u> Default OK	<u>**MB 5-01**</u> Default OK	<u>**MB 5-01**</u> Default OK	<u>**MB 5-01**</u> Default OK

Universal Slots

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+BS	Card Interface Slot Assignment	7-1
[Alt]+BS	MIF (ACD) Assignment	7-3-00
[Alt]+BS	MIF (LCR) Assignment	7-3-01
[Alt]+BS	MIF (SMDR) Assignment	7-3-02
[Alt]+BS	MIF (UCD) Assignment	7-3-03

Unsupervised Conference

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+BTS	✱Class of Service (Station) Feature Selection 2	1-8-08

Voice Mail Integration

Menu Access Keyboard Shortcut	System Data Name	Memory Block
[Alt]+BA	✱Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48
[Alt]+BTI	Bounce Protect Time Selection	1-3-01
[Alt]+BTI	Hookflash Start Time Selection	1-3-05
[Alt]+BTI	Hookflash End Time Selection	1-3-06
[Alt]+AV	Voice Mail Digit Add Assignment	1-3-07
[Alt]+AV	Voice Mail DTMF Delay Time Selection	1-3-08
[Alt]+AV	Voice Mail Disconnect Time Selection	1-3-09
[Alt]+AV	Voice Mail DTMF Duration/Interdigit Time Selection	1-3-10
[Alt]+AV	Voice Mail Quick Transfer Master Hunt Number	1-8-26
[Alt]+BTT	Intercom Master Hunt Number Selection	4-14
[Alt]+BTT	Intercom Master Hunt Number Forward Selection	4-15
[Alt]+BTI	✱Voice Mail/SLT Selection	4-35

Voice Over Split

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	Intercom Feature Access Code Assignment	1-2-24 (Item 006)
Alt +BTS	Class of Service (Station) Feature Selection 2	1-8-08 (Pg. 1, LK8 and Pg. 3, LK3)

Voice Prompt

Menu Access Keyboard Shortcut	System Data Name	Memory Block
Alt +BA	✱Access Code (1-, 2-, or 3-Digit) Assignment	1-1-46/47/48 (Item 501)
Alt +AR	VRS Message Recording Time Selection	1-8-12
Alt +AR	✱VRS Message Function Assignment	1-8-13
Alt +AR	Voice Prompt to Tone Assignment	1-8-16
Alt +BTT	✱✱Voice Prompt Selection	4-36

PC Programming

**SECTION 1
GENERAL
INFORMATION**

This chapter provides detailed information for programming using the Xen Maintenance Access Terminal (MAT) software.

PC requirements:

✆   Microsoft Windows 95 operating system

✆   Available serial communication port on PC

✆   MNP Class 4 or V.42 bis modem (if remote programming is required)

KTS hardware requirements:

✆   MIFM-U13 KTU

✆   IMPORTANT

A second initialisation is recommended after a normal upload. System with VMS, FMS, ACD and/or IPT cards installed, please ensure all cards had completed their startup sequence before performing a second initialisation.

These cards are considered fully 'started up' about 5 minutes after power is applied.

**SECTION 2
FEATURES OF PC
PROGRAMMING**

Some of the features of PC programming include:

Wizard – allows a user to select a feature using Wizard. *Wizard* prompts the user to program the necessary system data items associated with the feature. When *Wizard* is selected, a tabbed list of information is provided.

(For a detailed discussion of *Wizard*, refer to *Section 4   Wizard on page 1-502.)*

System Data Upload/Download – allows system data to be transferred from/to a personal computer to provide backup of data.

**SECTION 3
SOFTWARE
INSTALLATION**

Installing Xen Maintenance Access Terminal (MAT) Software

1.   Insert the MAT setup disk 1 in your floppy drive.
(If installing the CD ROM version, insert Setup CD in the CD ROM drive.)

2.   Click the Windows 95 **Start** button.

3.   Select **Run**.

4.   Enter **a:\setup.exe** and click OK.
(If installing from CD ROM, enter the letter of the CD ROM drive.)

5.   Follow the instructions on the PC installation program.

6.   To start the MAT program:

✆   Click the Win 95 start button.

✆   Select PROGRAMS, NEC Xen MAT.

✆   Click Xen Maintenance Access Terminal (MAT).

✆   Enter the password. The default password is PASSWORD in uppercase letters.

SECTION 4
WIZARD

The *Wizard* organizes system data assignments for programming individual features. When the user selects *Wizard*, the system provides a tabbed list of information related to the selected feature.

Wizard can be accessed by using the Wizard button from the toolbar or by selecting **Wizard** from the File pulldown menu. (Refer to Figure 3-1 Accessing Wizard.)

Select from the toolbar.
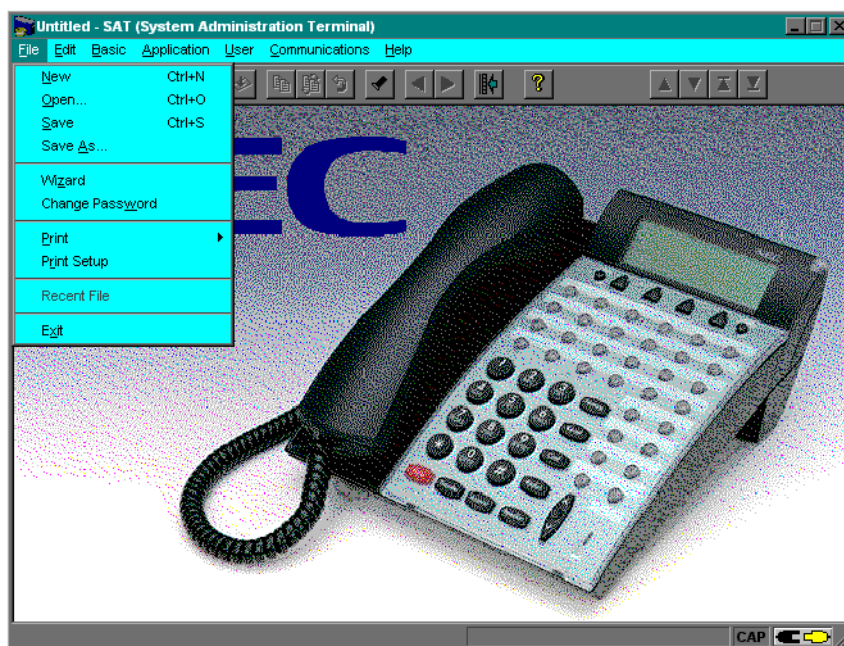
Figure 3-1   Accessing Wizard

When *Wizard* is displayed, the technician can select any feature from the list or can begin entering letters of the feature name. As the name is being entered, Quick Search finds the matching letters and highlights the match.
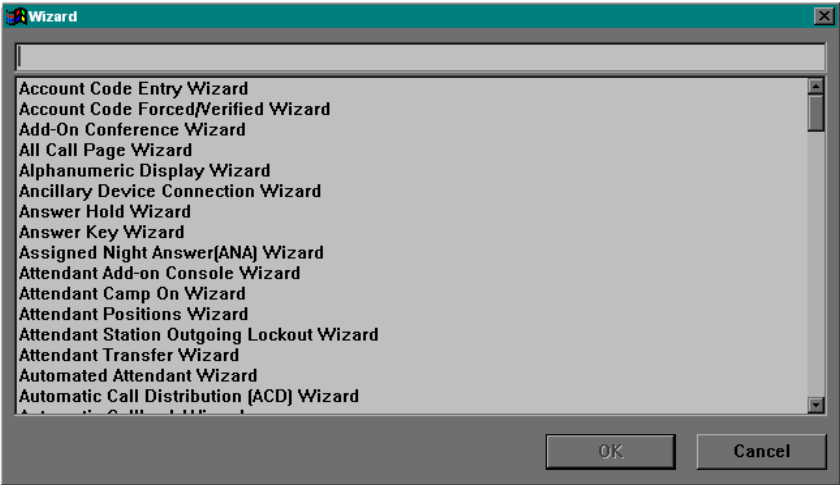
Figure 3-2   Selecting Wizard for a Feature

When a feature is selected, all system related data items for that feature are presented in sequence. Enter the required values in the current tab and click next to advance to the next tab. Click back to go to previous tab. In Figure 3-3 Sample Wizard, the Account Code Entry feature is selected.
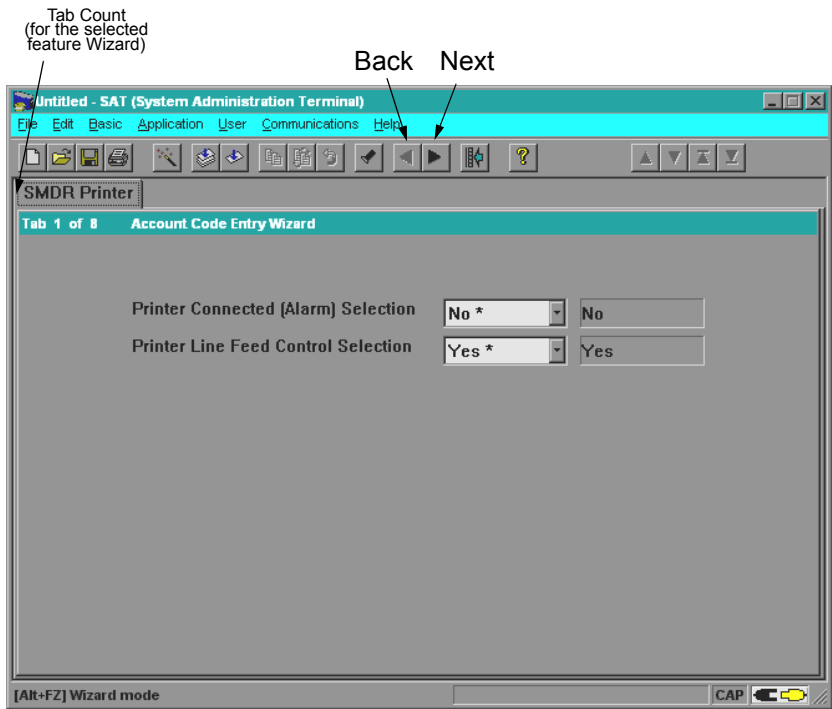
Figure 3-3   Sample Wizard

SECTION 5
PROGRAMMING
SCREENS

Main Menu

When the MAT software program is launched, the Main Menu screen is displayed first. This screen allows the user to access the options used to program the Xen system. Figure 3-4 Xen Maintenance Access Terminal Software Screen Samples shows the menu and describes the layout.

Pulldown Menu

Pulldown menus are available for each function involved in programming the Xen system. To access the data associated with the function, click on the function name on the Main Menu. Some of the options on the initial pulldown menu offer several selections. An arrow to the right of the option name indicates additional selections are available. Refer to Figure 3-4 Xen Maintenance Access Terminal Software Screen Samples for an example of a Pulldown Menu.

System Data Screen

When an option is selected from a pulldown menu, a screen is displayed that allows the user to program data for the function selected. Figure 3-4 Xen Maintenance Access Terminal Software Screen Samples shows an example of a System Data Screen. This screen indicates three tabs. The tabs indicate system data items that are grouped together for programming. The active tab group is indicated by a box around the tab title. In the example, the displayed data is for the *Terminal/System Wide* tab group. To access another tab group, press the tab or use the keyboard shortcut. Keyboard shortcuts are displayed at the bottom of the screen in the Information Bar.

Main Menu

Pulldown Menus

Help
Accesses help
information.

Toolbar

Status Bar
As the selection
changes, the status
changes.

Connection Status
Indicates whether the data
path is connected to the
Xen system.

Pulldown Menu

**System Data Item
Screen**

Pulldown Menu
Make selections by clicking on
an item. The associated screen
is displayed.

The arrow indicates additional
information is available for this
option.

Information Bar
indicates
Keyboard
Shortcut.

Tab Groups
The active Tab Group is
indicated by the darkened box
surrounding the tab name.

Figure 3-4   Xen Maintenance Access Terminal Software Screen Samples

SECTION 6
TOOLBAR

Several icons are provided to allow the user to navigate the program. The icons in the toolbar are explained in this section The availability of the individual tools depends on the activity the user is performing. When the icon appears shadowed, the tool is not available. When the icon is dark, the tool is available. Refer to Figure 3-4 Xen Maintenance Access Terminal Software Screen Samples for an example.

Creates a new customer configuration file.

Loads or opens an existing customer configuration file.

Saves the customer configuration file to the hard disk, or floppy disk.

Accesses the Job Specifications printing option.

Accesses the *Wizard* for individual features.

Sets the defaults for *all* items on the open tab.

Sets the defaults for the individual system data items (on the screen the default is set for the item where the cursor is blinking).

Allows data items to be copied between ports.

Allows values between two ports to be swapped.

Allows the user to undo the current edits and return to the previous editing operation.

Accesses Quick Search. Quick Search provides a detailed list of system data items.

Returns to the previous tab group.

▶	Advances to the next tab group.
？	Displays the help contents for the Xen MAT software program.
▲	Scrolls up displaying the previous page.
▼	Scrolls down displaying the next page.
⊼	Advances to the first page.
⊻	Advances to the last page.
▐◁	Brings up the Connection Dialogue Box

SECTION 7
XEN PULLDOWN
MENUS

This section explains each of the pulldown menus that are available in MAT software.

File

The File pulldown menu provides options for basic file management.
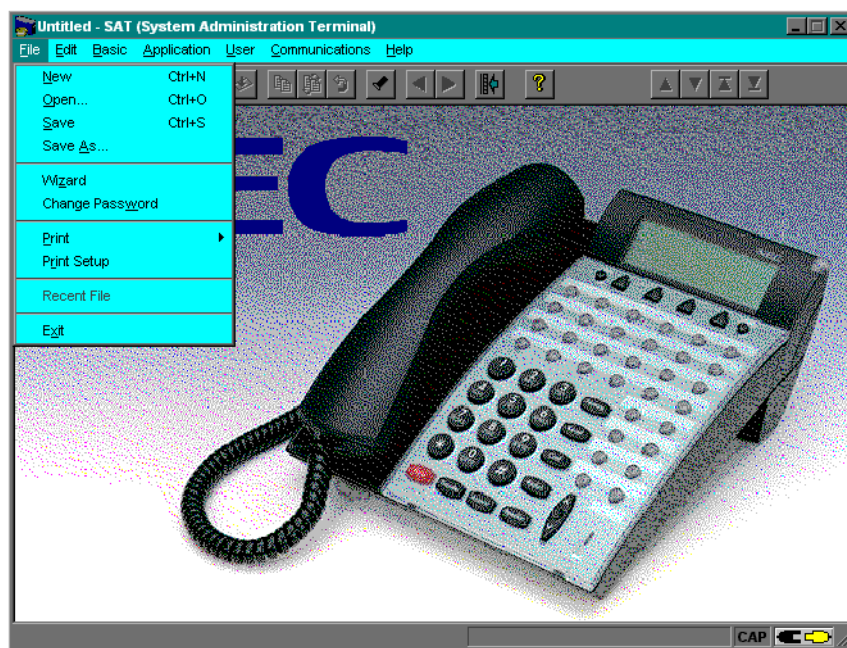
Figure 3-5   File Menu

New
Creates a new configuration file.

Open
Loads an existing configuration.

Save
Saves the configuration file. This option is only available when a configuration file is open.

Save As
Saves a configuration file using a new name. This option is only available when a configuration file is open.

Close
Closes the current configuration file. This option is only available when a configuration file is open.

Wizard
Accesses the Wizard. Wizard is available for every feature offered in the Xen system. Wizard provides all of the information necessary to program a feature. All of the system data items necessary for programming the feature are grouped together. The user can press the appropriate tabs to access system data and make the necessary changes.

This option is only available when a configuration file is open.

Change Password
Allows the user to change the MAT password.

Print
Provides two print options: Job Specifications and Designation Labels (requires a standard inkjet or laser printer).

When Job Specifications is selected, a menu is displayed. There are three options for printing the Job Specifications: printing a family (group) such as system-wide, trunk group, or tenant, printing a range of Memory Blocks, or printing an individual Memory Block.

When Designation Labels is selected, MAT automatically opens the DESI for Windows label printing application. The current telephone information is automatically exported to DESI. Labels can then be configured and printed for the telephones. This requires the NEC LASER Labels for printing on InkJet or Laser printers.

☞ For the Designation Labels option to be enabled, the DESI for Windows application must be installed on your computer. Installation is usually done during the installation of MAT.

Print Setup
Allows access to the printer setup screen. This allows the printer configuration to be modified.

Recent File
Displays the last two files that were opened. These are listed as 1 and 2. The user can select either file to open. This option is only available when New or Open is selected.

Exit
Exits the programming software. If changes have not been saved, the technician is prompted to save the changes before the program shuts down.

Edit

The Edit pulldown menu allows files to be edited or swapped.
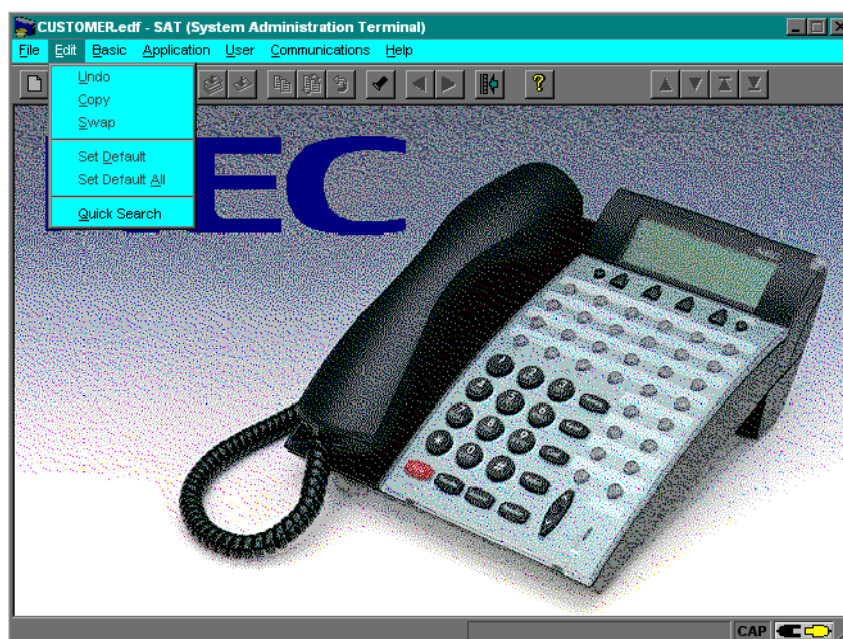
Figure 3-6   Edit Menu

Undo
Allows the user to undo current edits and return to the previous editing operation.

Copy
Brings up the copy screen. This allows port information to be copied from one port to another.

Swap
Allows values *between* two ports to be swapped.

Set Default
Defaults to the current field where the cursor is positioned.

Set Default All
Allows the user to set all values to default on the open tab.

Quick Search
Allows the user to search the Memory Blocks by Memory Block Number, Memory Block Name, or Tab Name. After the search method is specified, a list is provided. The user can scroll through the list and click on the desired Memory Block. System data can then be modified as necessary.

Basic

The Basic pulldown menu allows access to basic programming items.

☞   Some menu items may be disabled if the appropriate hardware is not assigned, or a dependent data item is not set.

Figure 3-7   Basic Menu

System Configuration
This option allows the technician to configure the customer system by indicating the cards that are installed for each slot in the KSU.

Terminals
This option allows the technician to assign the terminals to the system. Several selections are available with this option.

- ✆ System Wide

- ✆ Station Base

- ✆ Multiline

- ✆ Single Line

- ✆ DSS/BLF

- ✆ Doorphones

CO/PBX Trunks

This option allows technicians to program system data related to trunk assignments.

Three selections are available with this option:

- ℂ   System Wide

- ℂ   Trunk Base

- ℂ   Timers

Intercom

This option allows the technician to program system data related to intercom assignments

DISA

This option allows the technician to assign codes for Direct Inward System Access (DISA).

Paging

This option allows data related to paging assignments to be programmed.

Access Codes

This option allows the technician to enter Access Codes. Where appropriate, Access Codes are set to default system values.

Speed Dialling

This option allows data related to system and station speed dialling to be programmed.

System Timers

This option allows system-wide timers to be assigned.

Tenants

This option allows data related to tenant assignments to be programmed.

Call Arrival Keys

This option allows Call Arrival block assignments to be programmed.

Forced Account Codes

This option allows the technician to program the account code length and to assign account codes.

Application

The Application pulldown menu allows access to system data items relating to advanced system applications.

Code Restriction
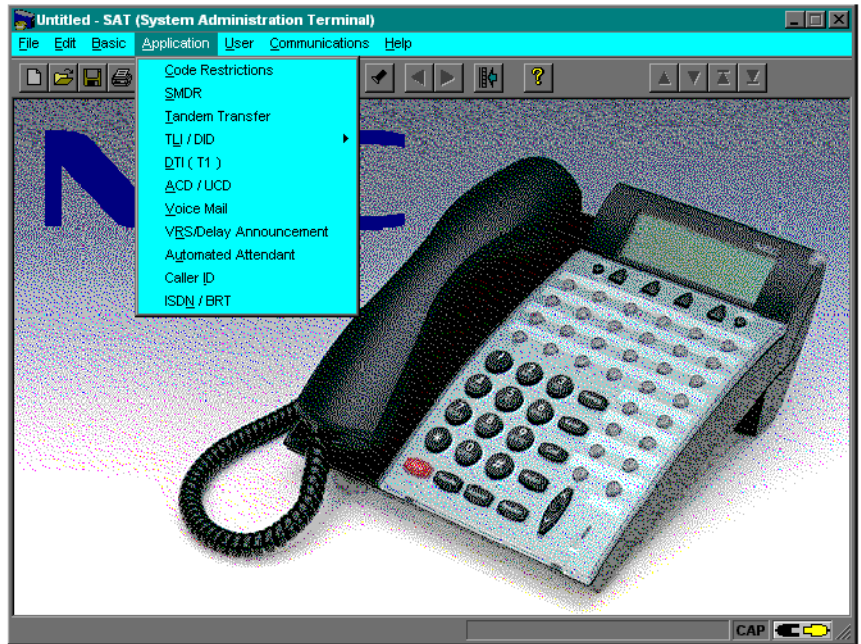
Figure 3-8   Application Menu

This option allows code restriction assignments to be programmed.

SMDR
This option allows data related to Station Message Detail Recording to be programmed.

Tandem Transfer
This option allows the assignment of data related to the routing of a call through the system.

TLI/DID
This option allows data related to Tie Lines and Direct Inward Dialling to be programmed.

Three selections are available with this option:

✆   Trunk Base

✆   Networking

✆   Timers

ACD/UCD
This option allows the technician to set up Automatic Call Distribution and Uniform Call Distribution Hunt groups.

Voice Mail
This options allows data related to the internal voice mail to be programmed.

VRS/Delay Announcement
This option allows data to be assigned for the VRS ETU (e.g., greetings).

Automated Attendant
This option allows the technician to program the data related to messaging.

Caller ID
This option allows Caller ID displays to be programmed and display assignments on a per-port basis to be assigned.

ISDN BRT/PRT
This option allows the assignment of information related to Basic Rate and Primary Rate ISDN trunks such as ISDN telephone numbers, and BRT DTMF duration.

PHS
This option allows the programming of data related to PHS (Personal Handy-phone System) such as PHS Telephone Assignment and PS Out of Area Tone Selection.

Users

The Users pulldown menu allows access to system data items related to speed dialling.

Figure 3-9   User Menu

Speed Dialling
This option allows the technician to program Speed Dial memories for each Multiline Terminal in the Xen system.

Communications

The Communications pulldown menu allows access to system data items relating to direct and remote connections to the Xen system.

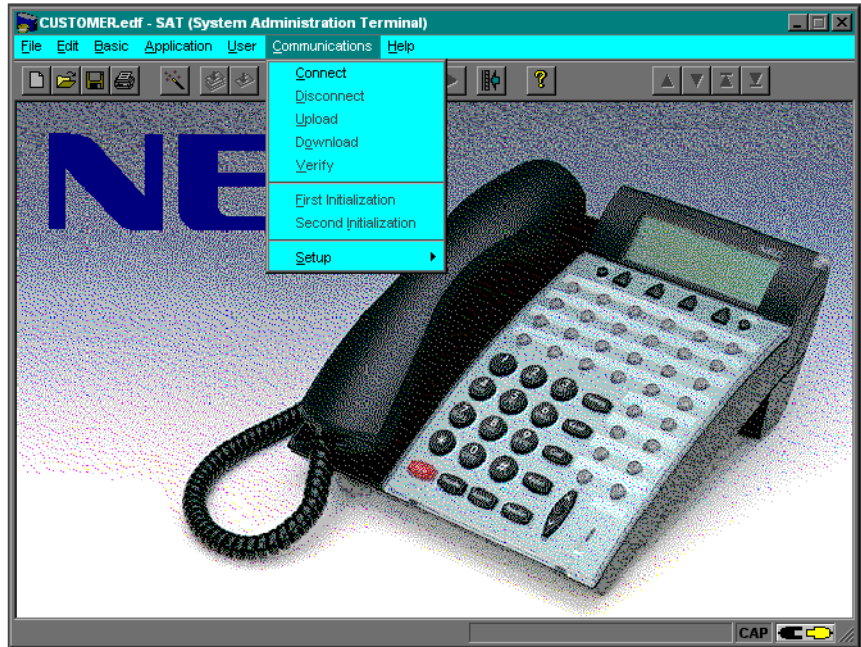**Figure 3-10   Communications Menu**

Connect
This option allows the technician to connect to the Xen system.

Connection can be Direct or Remote. Direct connection is when the MAT PC is directly connected to the Xen system. With Remote connection, the MAT PC uses a modem to dial into another external remote modem that is connected to the Xen system. If the MIFM-U13 KTU is equipped with a socket modem (modem kit part no. 750620), then the external remote modem is not needed. For Direct connection to the KTS, connect the serial cable included with the MAT from a free serial port on the MAT PC to the COM 1 port on the KTS. Select Communications, Connect. Select the Setup button to choose PC COM port. Choose Direct Connection and click the Connect button. For Remote connection to the KTS, choose Modem Connection and select the Dial button. For this type of connection, the PC must have an MNP Class 4 modem. This type of connection allows the user to program a KTS located at a remote location.

In either case, after a successful connection is established with the KTS, you are ready to upload and download data to and from the KTS.

Disconnect
This option allows the technician to disconnect from the Xen system.

Upload
This option allows the technician to upload programming changes and configurations to the KTS.

Download
This option allows the technician to download the current Xen configuration.

Verify

This option allows the technician to compare the configuration programmed in the KTS with that of the PC.

First Initialisation

This option reinitialises the system to the factory-set defaults.

All active calls on the system are dropped.

Second Initialization

This option reboots the system without resetting the programmed defaults (i.e., all programming is retained).

Setup

This option allows the technician to set up the system to provide communication. Four options are available for this selection.

✆   PC Serial Port — serial port of the PC that is connected to the KTS.

✆   End User Password — the password programmed in Memory Block   1-8-17 on the KTS.

✆   Site Name — the name of the site that is being programmed.

✆   Setup & Initialize — the KTS port settings/configurations.

Help

The Help pulldown menu allows access to online help.

Figure 3-11   Help Menu

Using Help

This option provides access to the help topics window that describes how to use the help function.

Contents

This option provides access to the help topics that are available for the Xen Maintenance Access Terminal system.

Help Topics

This options provides a list of help topics. The user can bookmark topics that they may want to refer to again.

Show MB Numbers

When the cursor is positioned over a data field, the memory block number is displayed above the cursor.

About

This option provides information about the Maintenance Access Terminal software (MAT).

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