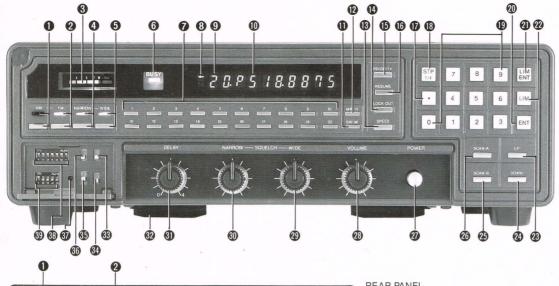


UNINTERRUPTED FREQUENCY COVERAGE 100 kHz — 1.4 GHz WITH RF CONVERTERS

SCANNING MONITOR RECEIVER

● ULTRA SUPER FEATURIZED SX-400 SERIES EXPANDS FREQUENCY COVERAGE FROM 100 KHz TO 1.4 GHz UP WITH RF CONVERTERS (OPTIONAL). ● ADDITIONAL MEMORY CHANNELS MORE THAN 20, RECORD FREQUENCY, TIME AND VOICE, HI-SPEED REPROGRAM OF 20 CHANNEL MEMORIES, AND REMOTE CONTROL OF ALL SX-400'S FUNCTIONS WITH DATA INTERFACE (OPTIONAL). ● BIRDIE-CANCEL CIRCUIT BUILT IN. ● 12 BLOCK CHANNEL SPACE SWITCHES.

SX-400 26~520 MHz General Coverage Scanner



THE RESERVE THE PARTY OF THE PA ••• 0

- Power Supply Connector
- (2) Data Interface Connector
- (3) External Antenna/RF Converter Connector
- (4) RF Attenuator
- (5) 455 kHz Output Jack
- (6) 10.7 MHz Output Jack
- (7) Tuning Voltage Control Connector for RF Converter
- (8) Recording Output Terminal
- (9) Aux. Control Terminal
- (10) External Speaker/Headphone Terminal

FRONT PANEL

- (1) AM Selector Switch/Indicator Lamp
- (2) FM Selector Switch/Indicator Lamp
- (3) Signal Meter
- (4) Narrow FM IF Filter Bandwidth Selector Switch/Indicator
- (5) Wide FM IF Filter Bandwidth Selector Switch/Indicator
- (6) Busy Indicator
- (7) 20 Channel Memory Keys
- (8) Lockout Indicator
- (9) Memory Channel Display
- (10) Frequency Display
- (11) Scan Write/Minute Adjustment Key
- (12) Memory Write/Hour Adjustment Key
- (13) Speed Change Switch
- (14) Lockout Kev (15) Priority Key
- (16) Resume Kev
- (17) Decimal (.) Key
- (18) Stop/Time, Frequency Change Switch
- (19) 0~9 Frequency Selector Keys
- (20) Frequency Entry Key
- (21) Limit Entry Key
- (22) Limit Search ON/OFF Switch (23) Search UP Key
- (24) Search DOWN Key
- (25) Scan-B Key (26) Scan-A Kev
- (27) Power ON/OFF Switch
- (28) Volume Control
- (29) Wide Squelch Control
- (30) Narrow Squelch Control
- (31) Delay Control
- (32) Stand
- (33) Auto Noise Limiter Switch
- (34) Mute ON/OFF Switch
- (35) Dimmer Control Switch
- (36) Stop Mode Selector Switch (37) Memory Reset Switch
- (38) VHF 7 Band Channel Space Selector Switches
- (39) UHF 5 Band Channel Space Selector Switches

10 MAJOR MERITS OF SX-400 -

- WIDE FREQUENCY COVERAGE 26~520 MHz General Coverage Scanning Monitor Receiver, AM/FM Change Mode Switch, Stop Mode Switch (Carrier and Voice, Voice only) on front panel.
- EXPANSIBLE FREQUENCY COVERAGE Optional RF Converters expand 100kHz~1.4GHz UP.
- DATA INTERFACE Optional Data Interface Model RC-4000 for additional memory channels more than 20, record frequency, time and voice. Hi-speed reprogram of 20 channel memories. AND remote control of all SX-400 functions with DATA INTERFACE.
- MOMENTARY MEMORY RECALL One-touch, momentary recall of frequency and modulation (AM or FM) on any memory channel.
- BIRDIE-FREE SEARCH BFS (Birdie-Free Search) Circuit cancels all of the birdies

UHF...... 40 dB

- CHANNEL SPACE SWITCHES For Hi-Fi reception, setting switches for VHF 7 bands (5 or 6.25kHz step) UHF 5 bands (10 or 12.5 KHz step) on front panel.
- PRIORITY Samples channel as priority frequently, automatically switches to channel 1 in any operation mode.
- MUTING CIRCUIT Carrier noise free and clear voice reception.
- DUAL SQUELCH CONTROL Individual squelch control for FM WIDE and AM/FM NARROW, no readjustment necessary with mode changed (Narrow/Wide).
- AUTOMATIC NOISE LIMITER/FM IF FILTER BANDWIDTH SWITCH- Automatic noise limiter (ANL) circuit incorporated to minimize AM Pulse noise. Narrow/Wide FM IF Filter Bandwidth switch for FM/TV Broadcasts.

		Selectivity	FM 60 dB at ±15 kHz	13. Search Speed	Fast 10 channel/sec.
1. Type AM-FM			AM 60 dB at ±10 kHz		Slow 5 channel/sec.
2. Frequency Range	VHF 26 MHz ~ 299.990000 MHz	Squelch Threshold	FM Within 1.0 μV	14. Delay Time 0~4 sec. variable	
	UHF 300 MHz ~ 520.000000 MHz		AM Within 2.0 μV	15. Memory Channel	ls20 channel
	VHF FM (S/N = 12 dB) $0.5 \mu V$			16. Clock Error Less than \pm 10 sec. 17. Antenna Impedance $50 \sim 70 \Omega$	
	AM $(S/N = 10 dB) 1.0 \mu V$				
	UHF FM (S/N = 12dB) $0.5 \mu V$			18. Power Supply DC 13.8V	
	AM (S/N = 10 dB) $2.0 \mu V$		UHFLess than 1 kHz	19. External Speaker	Impedance4~8Ω
4. S/N Ratio		11. Audio Output		20. Dimensions W. 300 × H. 90 × D. 210 (mm)	
5 Image Rejection	VHF 50 dB	12 Scan Speed	Fast 8 channel/sec	21 Weight	

RC-4000 DATA INTERFACE

SPECIFICATIONS -

Control of SX-400 series Scanner and RF Converters through Computer

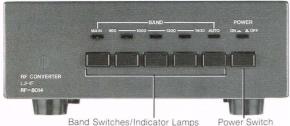
Slow 4 channel/sec

• Direct system for NEC 8801A computer. ● High-Speed Reprogramming of 20 channels. ● Scan of unlimited channels stored in computer. • Record of Frequencies and Time of signals received. • Automatic Control of Bands and Modes of RF converters and ACB-300.

OPTIONAL for SX-400 SERIES SYSTEM

RF-8014 DOWN CONVERTER

800 MHz ~ 1.4 GHz RF converter for SX-400

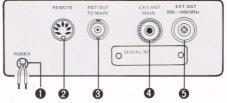


Band Switches/Indicator Lamps

Bands: •MAIN (to cover 26~520 MHz with SX-400) •800 MHz~1.0 GHz •1.0 GHz~1.2 GHz •1.2 GHz ~1.4 GHz • AUTO (Automatic control of RF-8014 with an external computer, etc.)

• Frequencies shown in SX-400 display: 500 MHz lower between 800 MHz ~ 1.0 GHz, 700 MHz lower between 1~1.2 GHz, 900 MHz lower between 1.2~1.4 GHz. ● Individual Band Switches and LED Indicaters. • Current Drain: 250mA (approx.) • Accessories: 1 BNC/M-adapter, 1

Cable with BNC terminals. • Dimensions: W. 148 × H. 51 × D. 225 (mm)



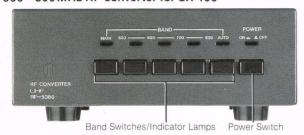
OSERIAL

REAR PANEL

- 1) Power Lead
- (2) Remote Connector (3) ANT. Out Connector
- (4) EXT. ANT. Connector (for 26 ~ 520 MHz)
- (5) EXT. ANT. Connector (for 800 ~ 1,400 MHz)

RF-5080 DOWN CONVERTER

500 ~ 800 MHz RF converter for SX-400



Bands: •MAIN (to cover 26-520 MHz with SX-400) • 500 ~ 600 MHz • 600 ~ 700 MHz • 700 ~ 800 MHz • AUTO (Automatic control of RF-5080 with an external computer, etc.) ● Frequencies shown in SX-400 display: 300 MHz lower between 500 ~ 600 MHz, 400 MHz lower between 600~700 MHz, 500 MHz lower between 700~800 MHz. ●Individual Band Switches and LED Indicaters. • Current Drain: 250 mA (approx.) • Accessories: 1 BNC/M-adapter, 1 Cable with

(0)

0

BNC terminals. • Dimensions: W. 148 × H.51 × D.225 (mm)



- (1) Power Lead
- Remote Connector
- ANT. Out Connector
- (4) EXT. ANT. Connector (for 26 ~ 520 MHz)
- (5) EXT. ANT. Connector (for 500 ~ 800 MHz)

RF-1030 UP CONVERTER

100 KHz ~ 30 MHz RF converter for SX-400



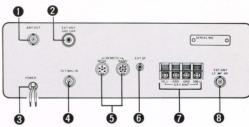
FRONT PANEL (1) Band Switch/Indicator Lamps (2) Squelch Control (3) RF Attenuator

(4) Delta Tuning (5) AF Gain Control (6) IF ON/OFF Switch

(7) Mode Switches/Indicator Lamps (8) Noise Blanker (9) Power Switch

 Bands: (1) 100 KHz ~ 1 MHz, (2) 1~2 MHz, (3) 2~4 MHz, (4) 4~8 MHz, (5) 8~17 MHz. (6) 17~30 MHz • AUTO (Automatic conrol of 6 bands of RF-1030 with an external computer, etc.) • Frequencies shown in SX-400 display: 50 MHz higher on all bands than the frequencies received. Individual Mode Switches and LED Indicaters: AM, USB, LSB, CW, AUTO • CW filter (optional) required for CW reception • AUTO — Automatic Control of modes of RF-1030 with an external computer, etc.

Band Switch and LED Band Indicaters, Squelch Control, RF Att., AF Gain Control, Delta Tuning, IF ON/OFF Switch, NB (Noise Blanker) Switch. • Current Drain: 1A (approx.) * Power Supply Unit P-1A (optional) required for RF-1030. Accessories: 1BNC/M-adapter, 2 Cable with BNC terminals • Dimensions: W.300 × H.90 × D.233(mm)



REAR PANEL

- (1) ANT. Out Connector (2) EXT. ANT. Connector
 - (for 26~520 MHz)
- (3) Power Lead
- (4) 10.7 MHz In Connector
- Remote Connectors
- (6) EXT. SP Jack
- Antenna Terminal
- (8) EXT. ANT. Connector (for 100kHz~30MHz)

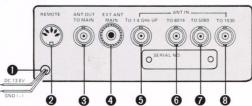
ACB-300 ANTENNA CONTROL BOX

Band Switches/Indicator Lamps

Manual and Automatic antenna control system for SX-400 series RF converters

• Individual Band Switches and LED Indicaters: 1030, 5080, 8014, 1.4 GHz UP (for reception of 1.4GHz above) AUTO (Automatic control of antennas for RF-1030, RF-5080, RF-8014 and for MAIN scanner) • Current Drain: 50 mA (approx.) • Accessories: 1 Cable with BNC terminals

Dimensions: W. 148 × H. 51 × D. 225 (mm)



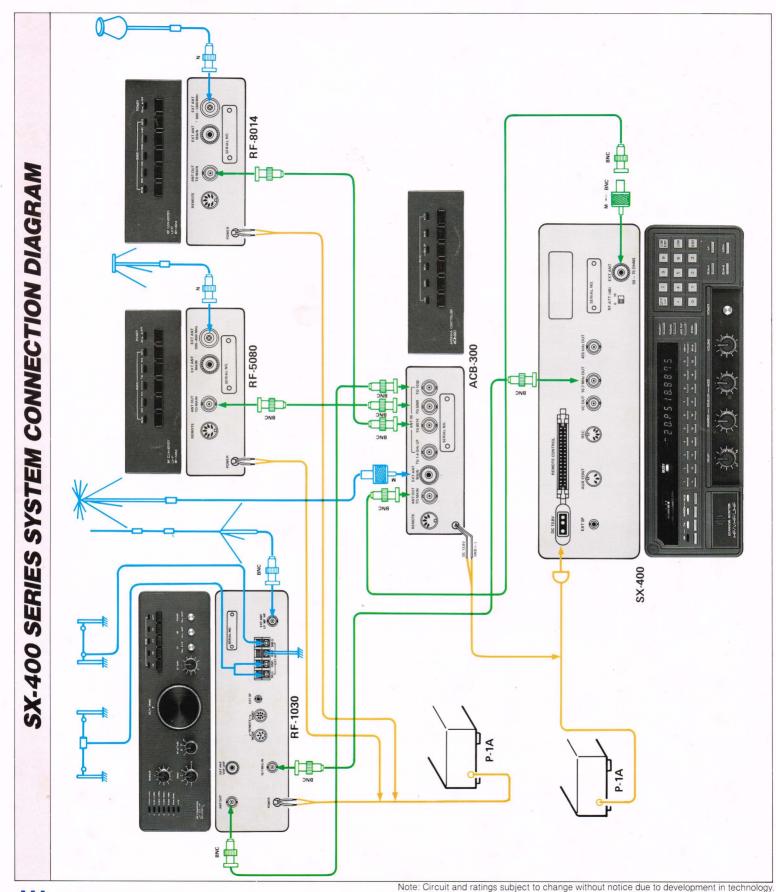
REAR PANEL

- 1) Power Lead
- (2) Remote Connector
- (3) ANT. Out to Main Connector
- (4) FXT ANT Main Connector
- (5) to 1.4 GHz Up Connector
- (6) to 8014 Connector
- (7) to 5080 Connector
- (8) to 1030 Connector

P-1A REGULATED POWER SUPPLY UNIT

- 1A AC 120V (220V, 240V, 100V available) to DC 13.8V
- Dimensions: W. 90 × H. 60 × D. 135(mm)





J.I.L. JAPAN INDUSTRIES CO., LTD.

20-17, 1-chome, Jinnan, Shibuya-ku, Tokyo, Japan Tel: (03) 462-0466 Telex: J24519

USA CORPORATION
J.I.C.L. – L.A. CORPORATION

17120 Edwards Rd., Cerritos, Ca. 90701, USA Tel: (213) 926-6727 Telex: 551588

SOLE AGENT

VICOM (N.Z.) LTD. 18 RAROA ROAD P.O. BOX 31009 LOWER HUTT. PH. 697-625 TELEX: 3334