



Administrators Guide

Compaq Evo Thin Client T20 and
Compaq T1010 Windows Based
Terminals

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July 2001

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Administrators Guide

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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
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FCC Compliance

Compaq Evo Thin Client T20 and Compaq T1010 Windows Based Terminals meet Class B requirements.

IEC/EN Compliance

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For use with External Power Supply DVE Model DSA-0301-05 or Potrans Model UP01811050A or certified equivalent model supplied by the manufacturer, rated minimum 5V/4A.

Noise Suppressor

A noise suppressor (ferrite bead) must be installed on the network cable of your terminal. This installation is necessary to maintain compliance with U.S. FCC B limits and European CISPR B EN55022 Class B limits. The noise suppressor is supplied by the manufacturer and is packed in your terminal's shipping carton.

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About the Administrators Guide

The *Compaq Evo Thin Client T20 and Compaq T1010 Windows Based Terminals Multiprotocol Administrators Guide* contains the information you will need to install, configure, connect, and troubleshoot a WBT (Windows-based Terminal). WBTs are produced in two configurations: modular (MWBT), which does not come with a monitor, and integrated (IWBT), which incorporates a monitor. This guide is written for network system administrators and covers the Compaq *Evo Thin Client T20* and the Compaq *T1010 Windows Based Terminals*.

Guide Overview

The administrators guide consists of the following chapters:

- Terminal Installation
- Advanced User Interface
- Connection Configuration
- External Devices
- Firmware Upgrades
- Client Security
- Getting Help

This guide contains information about:

- Terminal specifications and installations
- The WBT user interface
- Physical and network connections, and protocols supported
- Firmware upgrades
- Terminal security
- Getting help

Guide Conventions

Text Format

Table 1–1 lists the text format conventions used in this document.

Table 1: Text Format Conventions

Convention	Where Used
<i>Italic</i>	New term, book title, or emphasis.
Bold	Screen display, keycaps, and user input.
	This convention indicates a note. A note adds information.
	This convention indicates a caution. A caution indicates actions that may cause damage to equipment, erase files, or destroy data.
+	Keystroke sequences such as: Ctrl+Alt+Del
	Instructions about invoking a menu such as: Network SNMP Network Location

User Interface Menu Control

The table below describes the command buttons used for user interface menu control on a Compaq Thin Client multiprotocolWBT.

User Interface Menu Control

Command Button	Function
X	Found in the upper right corner of a dialog box. Click on this command button to quit a dialog box or properties sheet without saving changes.
OK	Found in dialog boxes and on properties sheets. Click on this command button to save your changes and quit a dialog box or properties sheet.
Cancel	Found in dialog boxes and on properties sheets. Click on this command button at any time to quit a dialog box or properties sheet without saving changes.
Apply	Found in dialog boxes and on properties sheets. Click on this command button to save changes without quitting a dialog box or properties sheet.
Next or Accept	Found in wizards. Click on these command buttons to display the next dialog box in the sequence.
Back	Found in wizards. Click on this command button to return to the previous dialog box.
Finish	Found in wizards. Click on this command button to finish the wizard.

Compaq Evo Thin Client T20 Terminal Installation

This section discusses the procedures for installing the Evo Thin Client T20 terminal. The following paragraphs describe how to set up and connect the terminal in the freestanding position.

Locating the Terminal

Position the terminal on a clean, horizontal surface that is free from vibration and out of direct sunlight. Refer to “Windows-based Terminal Specifications” for environmental specifications.

Connecting the Terminal

Make all connections to the back panel before connecting the terminal to power. Figure 1–1 shows the terminal’s back panel connectors.

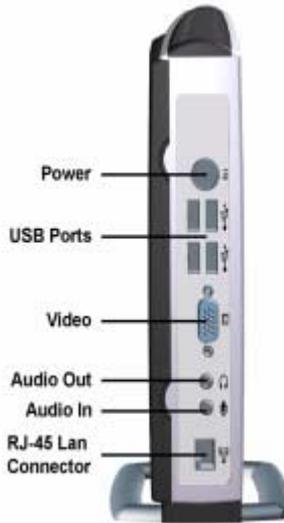


Figure 1–1: Evo Thin Client T20 Terminal Back Panel Connectors and Indicators

Table 1–1 summarizes the back panel connectors.

Table 1–1: Evo Thin Client T20 Terminal Back Panel Connectors and Indicators

Connector	Description
LED Indicators	The 10 or 100 indicator lights indicate the network type to which the terminal is connected (10/100 Base-T). The Act indicator flashes when there is activity on the line.
Network	LAN connector, 10/100Base-T
Headphone	Audio output jack for headphones or powered speakers
Microphone	Audio input jack for microphone (microphone not currently supported)
Video	Monitor connector
USB	USB ports
Power	Power connector

Proceed as follows to connect the terminal.

1. Connect the monitor to the Video connector.
2. Connect the keyboard to either USB port.
3. Connect the mouse to the Mouse connector on the keyboard.
4. If you will be using a network connection, connect a 10Base-T or 100Base-T network cable to the Network connector. Be sure to install the supplied noise suppressor on the cable.

5. Connect the power supply cable to the Power connector.



CAUTION: Do not force a connector into its socket. If any undue resistance is encountered, ensure that the connector is oriented correctly to the socket.

6. Plug the AC cord into the power supply, then into an AC outlet.
7. After the cables are connected, place the terminal in its planned location.

Turning On the Terminal

The terminal is powered-up and operating when the power supply is connected to AC power. To toggle the display off or on, press and release the power button. If the button is continuously depressed for 3-5 seconds, the unit will perform a hard boot (wait until the LED is off, not at amber, before doing this). See Figure 1-2 for the location of the power button.



CAUTION: Do not hold down the power button while shutdown is occurring. This could damage the terminal file system.



Figure 1-2: Evo Thin Client T20 Front

The splash screen will appear, followed by:

- The Setup Wizard, if it is the first time that you have turned on your terminal.
- The Connection Manager dialog box, if the Setup Wizard has been completed.

Adjustments to the display can be made at any time, whether or not the terminal is connected to a server. See “Changing Terminal Properties” for more information.

Compaq Thin Client T1010 Terminal Installation

This section discusses the procedures for installing the Compaq T1010 terminal. The following sections describe how to connect and set up the terminals.

Locating the Terminal

Position the terminal on a clean, horizontal surface that is free from vibration and out of direct sunlight. Refer to “Windows-based Terminal Specifications” for environmental specifications.

Connecting the Terminal

Make all connections to the back panel before connecting the terminal to power. Figure 2–1 shows a terminal’s back panel connectors.

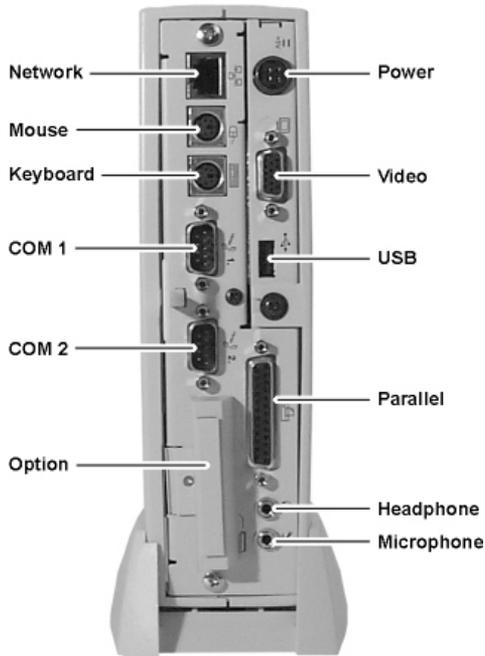


Figure 2–1: Compaq T1010 Terminal Back Panel Connectors

The following table summarizes the back panel connectors' functions.

Table 2-1: Compaq T1010 Terminal High-Performance Back Panel Connectors

Connector	Description
Network Connector	LAN connector, 10/100Base-T
Com1	Serial Port 1 can be connected to: <ul style="list-style-type: none">■ External modem■ Local server■ Local serial printer■ Touch-screen monitor
Com2	Serial Port 2 can be connected to: <ul style="list-style-type: none">■ External modem■ Local server■ Local serial printer■ Touch-screen monitor
Parallel Port	Local printer output
Video	Monitor interface
Keyboard	Keyboard interface
Mouse	PS-2 mouse interface
USB	USB interface
Power	Power module cable interface
Option Slot	PCMCIA card slot
Headphone	Audio output for headphones or powered speakers
Microphone	Audio input for microphones (currently not supported)

Proceed as follows to connect the terminal. (If necessary, remove the desktop mounting stand (one Phillips-head screw on the bottom.)



Before connecting the cables ensure that the cables are of the correct lengths. If permanent desktop is to be used, drill the desktop mounting holes before connecting the cables.

1. Connect the monitor to the Video connector.
2. Connect the keyboard to the Keyboard connector.
3. Connect the mouse to the Mouse connector.
4. If you will be using a network connection, connect a 10Base-T or 100Base-T network cable to the Network connector. Be sure to install the supplied noise suppressor on the cable.
5. Depending on your configuration needs, connect a printer to the parallel port, and/or connect a modem/server serial cable to the serial ports, as appropriate.
6. Connect the power supply output cable to the Power connector.



CAUTION: Do not force a connector into its socket. If any undue resistance is encountered, ensure that the connector is oriented correctly to the socket.

7. Plug the AC cord into the power supply, then into an AC outlet.
8. After the cables are connected, install the terminal in its planned location (see the next section “Mounting the Terminal”).

Mounting the Terminal

Instructions for mounting your terminal are provided in the following paragraphs.

Freestanding Desktop Mounting

The terminal is shipped with a desktop mounting stand attached so it can immediately be put into desktop operation. The mounting stand is weighted and equipped with non-skid feet. A single screw attaches the mounting stand to the terminal housing. The following figure shows the terminal mounted on the desktop mounting stand.

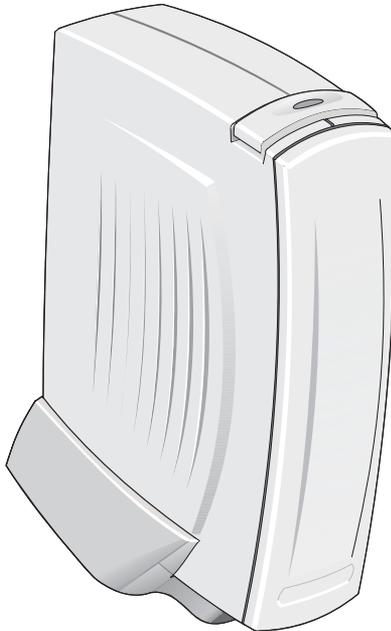


Figure 2-2: T1010 Freestanding Desktop Mounting

Turning On the Terminal

Once the terminal is installed and all back panel connections have been made, power it up. It is powered-up and operating when the power supply is connected to AC power; to toggle the display off or on, press and release the power button.



If the button is continuously depressed for 3-5 seconds, the unit will perform a hard boot.

See the following figure for the location of the power button.

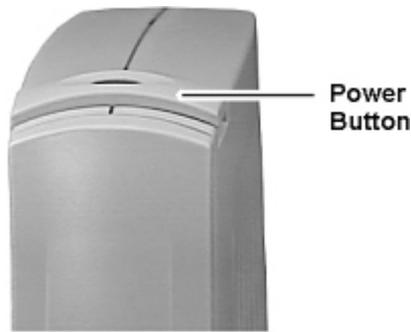


Figure 2-3: Compaq T1010 Power Button

The splash screen will appear, followed by:

- The **Setup Wizard**, if it is the first time that you have turned on your terminal.
- The **Connection Manager** dialog box, if the **Setup Wizard** has been completed.

Adjustments to the display can be made at any time, whether or not the terminal is connected to a server. See “Changing Terminal Properties” for more information.

Initial Terminal Setup

The **Setup Wizard** is used for initial setup of the terminal's properties. The wizard runs when:

- You power-up your terminal for the first time.
- An image has been downloaded to your terminal that is *older* than the image currently in use.
- You use the **Reset the Terminal to Factory-Default Property Settings** function on the **General** properties sheet, or you reset the terminal using a hot-key procedure under direction of the factory.

Using the Setup Wizard

The **Setup Wizard** lets you set terminal network configuration and terminal display parameters. Several dialog boxes display in succession during the process. Each dialog box is self-explanatory. Some dialog boxes are informational and require no user input. Other dialog boxes prompt you for network, printer, and display information. See Figure 3–1 to view the **Welcome/Countdown** dialog box, which is the first dialog box of the wizard.



Any future changes to settings that were made using the wizard can be made using the **Terminal Properties** dialog box. Launch this dialog box from the **Connection Manager** by pressing the **F2** key. See “Changing Terminal Properties.”

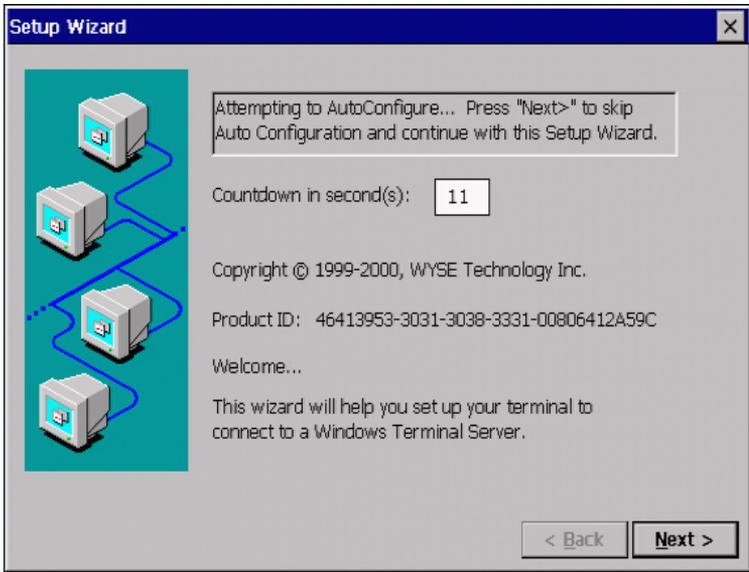


Figure 3–1: Welcome/Countdown Dialog Box

The **Welcome/Countdown** dialog box provides product information and a countdown.

- Click on **Next** during the countdown before it reaches zero to continue with the wizard.

Or

- Let the count go to zero to auto-configure the terminal.

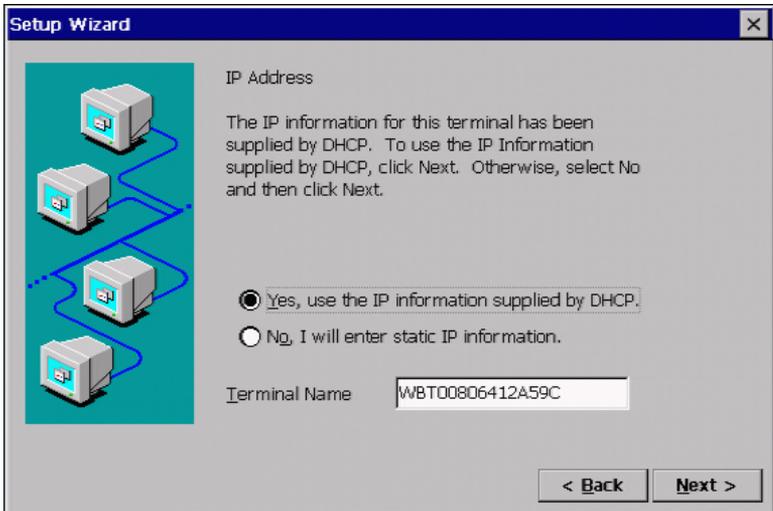


Figure 3–2: IP Address Dialog Box



Contact the network administrator if a message appears in the box indicating that no network services were found. It may be that the network is not connected to the terminal or the network services are not configured. The default active radio button in this box will be **No** if network services were not found; otherwise the default will be **Yes**.

Click on one of the two radio buttons to select a method for supplying IP addresses:

- If you select **No, I will enter static IP information** and click on **Next**, the **Specify an IP Address** (Figure 3–3) will display, followed by the **Optional Information** dialog box.
- If you select **Yes, use the IP information supplied by DHCP** and click on **Next**, the **Desktop Area and Refresh Frequency** (Figure 3–5) dialog box will display, skipping the **Specify an IP Address** dialog box.

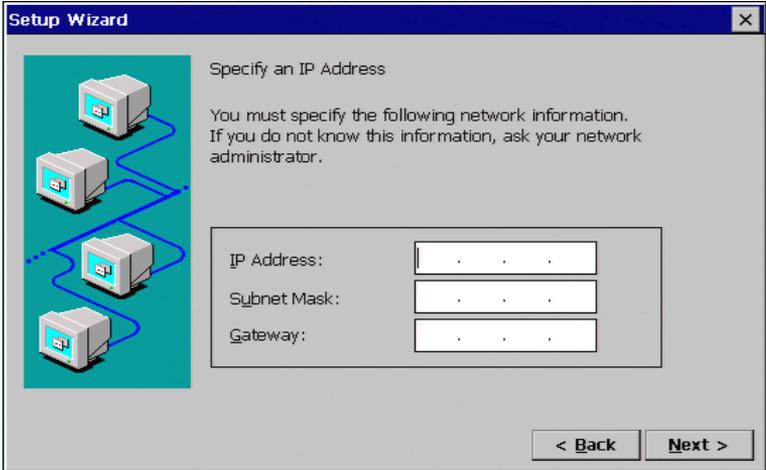


Figure 3–3: Specify an IP Address Dialog Box

Enter the addressing information requested in the fields provided (by default the fields are blank). Click on **Next** to go to the **Optional Information** dialog box (Figure 3–4).

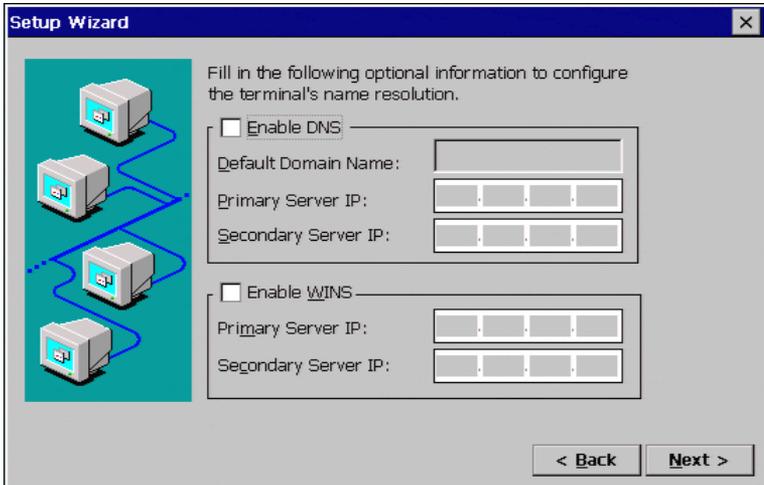


Figure 3–4: Optional Information Dialog Box

Check a box to enable name resolution:

- **Enable DNS**—Enables Domain Name Services
- **Enable WINS**—Enables Windows Internet Naming Services

Enter the information in the text fields that are active. By default the check boxes are unselected and the text fields are inactive. Click on **Next** to go to the next step.

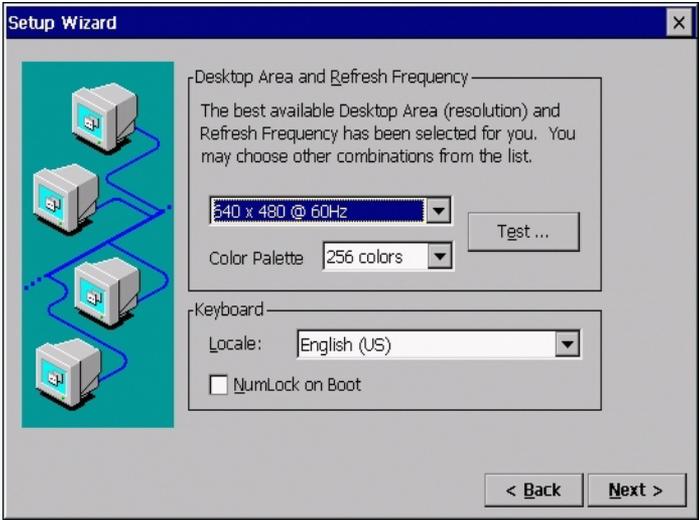


Figure 3–5: Desktop and Keyboard Settings Dialog Box

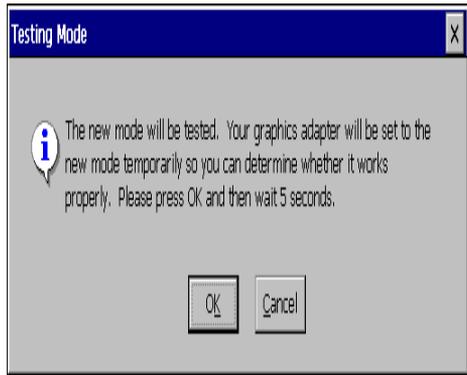
The following table lists the functions of the **Desktop and Keyboard Settings** dialog box.

Table 3–1: Desktop and Keyboard Settings Dialog Box

Function	Description
Desktop Area and Refresh Frequency area:	
Resolution drop-down list box	<p>Select a resolution from the list. Selections are:</p> <ul style="list-style-type: none"> ■ Best Available Using DDC Supported in all terminals. ■ 640 x 480 @ 60Hz Supported in all terminals. ■ 640 x 480 @ 75Hz Supported in all terminals. ■ 640 x 480 @ 85Hz Supported in all terminals. ■ 800 x 600 @ 60Hz Supported in all terminals. ■ 800 x 600 @ 75Hz Supported in all terminals. ■ 800 x 600 @ 85Hz Supported in all terminals. ■ 1024 x 768 @ 60Hz Supported in all terminals. ■ 1024 x 768 @ 75Hz Supported in all terminals. ■ 1024 x 768 @ 85 Hz Supported in all terminals. ■ 1280 x 1024 @ 60 Hz Supported in all terminals.

Table 3–1: Desktop and Keyboard Settings Dialog Box
(Continued)

Function	Description
Color Palette drop-down list box	Select the color resolution for applications used with the terminal (8-bit, 256 colors or 16-bit, 65,536 colors). Typically, 256 would be selected for ICA and 65536 would be selected if the local browser is used (although use of the lower resolution may help the terminal run faster).
Test... command button	Click on this command button to test the selections you made in the drop-down list boxes in this area. The following dialog box displays:



Clicking **OK** displays a color test pattern. After the test pattern closes, respond to the prompt(s) to accept or reject the new settings.

Table 3–1: Desktop and Keyboard Settings Dialog Box
(Continued)

Function	Description	
Keyboard area	Select the keyboard nationality in the Locale drop-down list box. Check the NumLock on Boot check box if you want the numeric keypad to be active when the terminal boots. The following keyboard mappings are supported by the firmware:	
Belgian French	French	Romanian
Brazilian (ABNT)	German	Slovak
Canadian Eng (Multi)	Greek	Slovenian
Canadian FR (Multi)	Hungarian	Spanish
Canadian French	Italian	Spanish Variation
Croatian	Italian (142)	Swedish
Czech	Japanese	Swiss French
Danish	Latin American	Swiss German
Dutch	Norwegian	Turkish F
English (UK)	Polish (214)	Turkish Q
English (US)	Polish (Programmers)	US International

After making a new selection or accepting the default, click on **Next** to go to the **Browser Setup** dialog box.

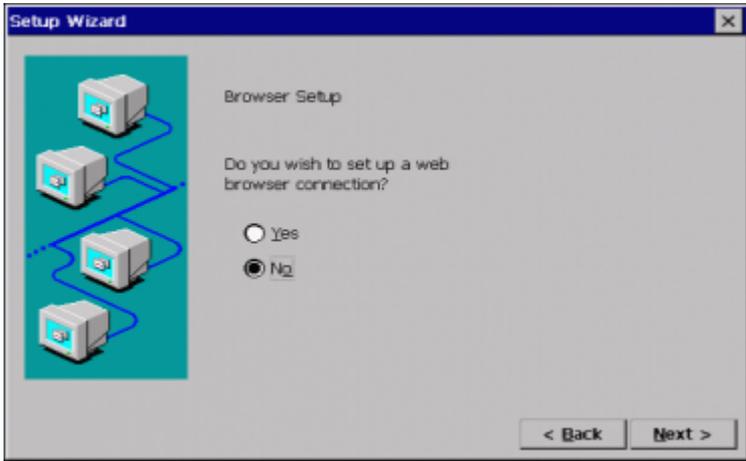


Figure 3–6: Browser Setup Dialog Box

Select whether or not to set up a local browser, and click **Next** to the next step. If you selected **Yes**, the **Browser URLs** dialog box (Figure 3–7) displays. If you selected **No**, the browser setup is skipped and the **Local Printer Setup** dialog box (Figure 3–11) is displayed.

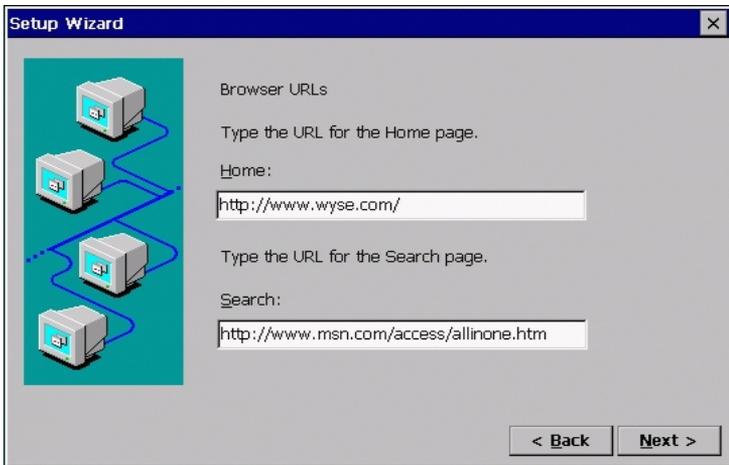


Figure 3–7: Browser URLs Dialog Box

Type the URLs for the **Home** and **Search** pages, or accept the defaults, and click **Next** to continue.

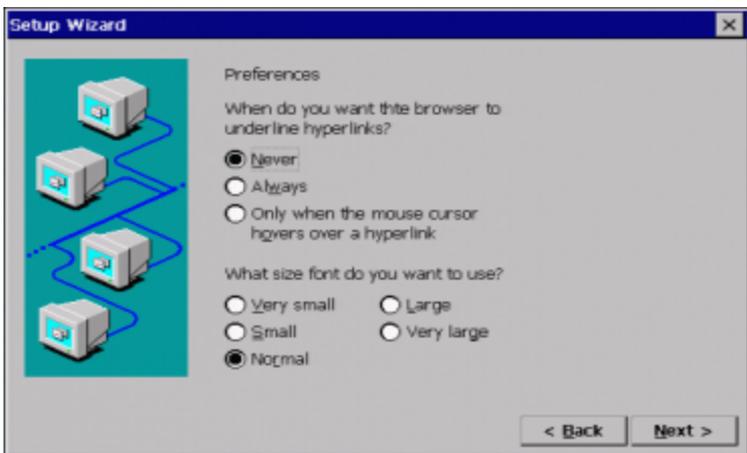


Figure 3–8: Preferences Dialog Box

Select the desired preferences or accept the defaults, and click **Next** to continue.

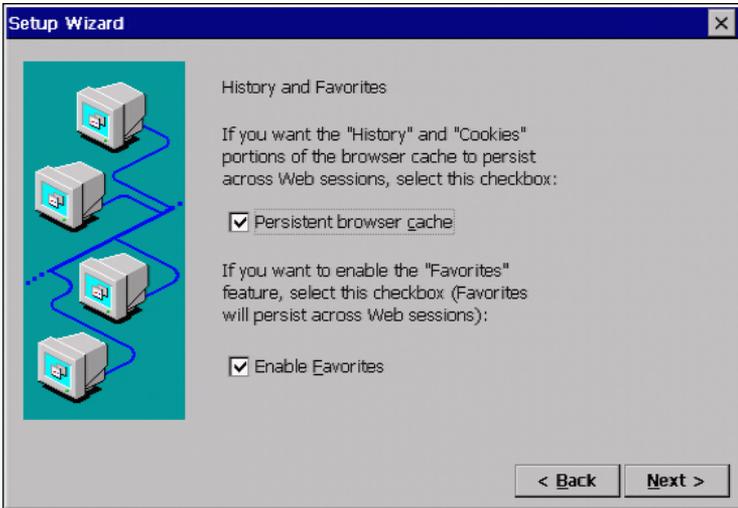


Figure 3–9: History and Favorites Dialog Box

Uncheck the boxes or accept the defaults (checked) for the indicated selections, and click **Next** to continue.

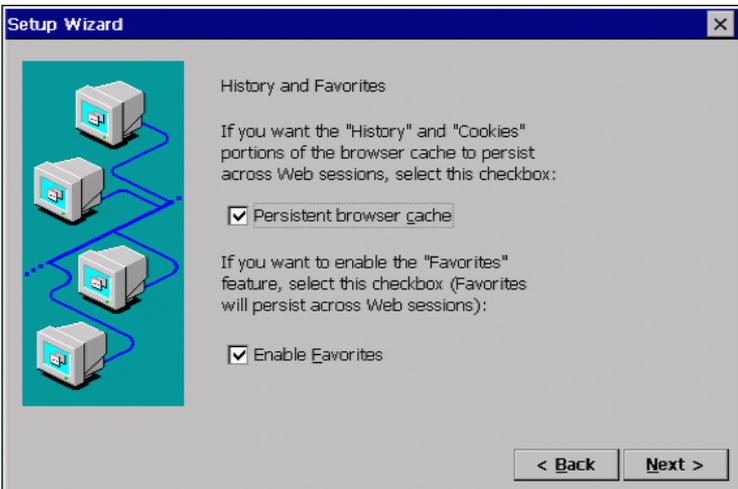


Figure 3–10: Proxy Server Dialog Box

If your terminal accesses the Internet through a proxy server, check the **Use proxy server** box and make the required entries in the now-enabled text and check boxes, and click **Next** to continue to the **Local Printer Setup** dialog box (Figure 3–11).

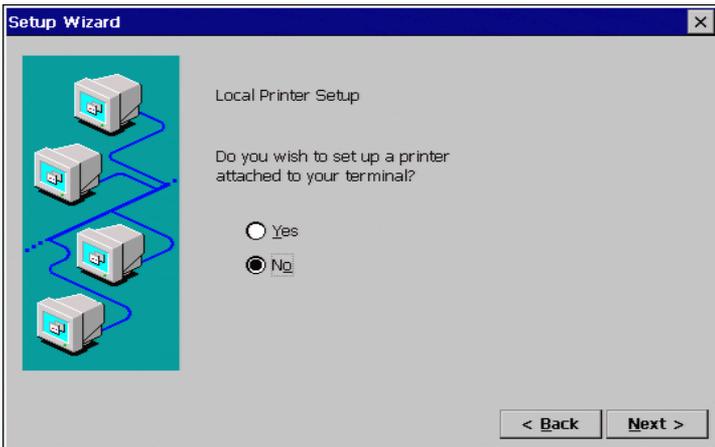


Figure 3–11: Local Printer Setup Dialog Box

The **Local Printer Setup** dialog box displays.

If you want to set up a printer connected locally to your terminal, select **Yes** and the dialog boxes that follow will prompt you for printer information.



This local printer setup applies only to RDP connections. See “Local Printers” for further information.

If you select **No** (the default), you will skip the remaining printer dialog boxes and the **Finish** dialog box (Figure 3–17) will display.

Make your selection and click on **Next**.

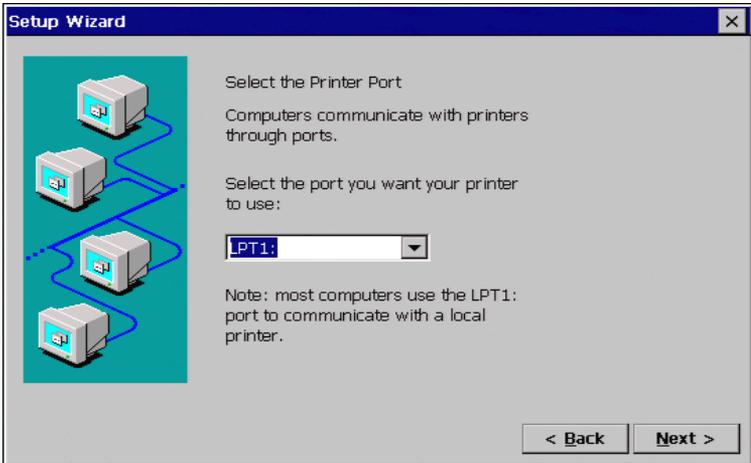


Figure 3–12: Select Printer Port Dialog Box

In the **Select Printer Port** dialog box, select the port to which the printer is connected and click on **Next** to go to the next step.

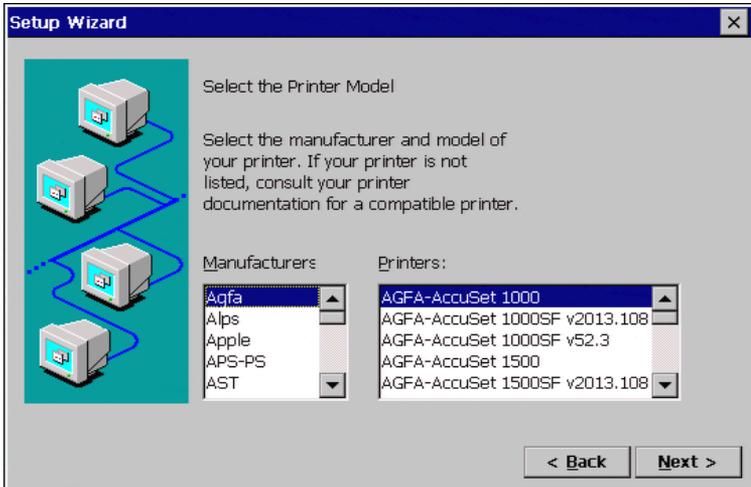


Figure 3–13: Select Printer Model Dialog Box

In the **Select the Printer Model** dialog box, select the printer model from the list and click on **Next** to go to the next step.

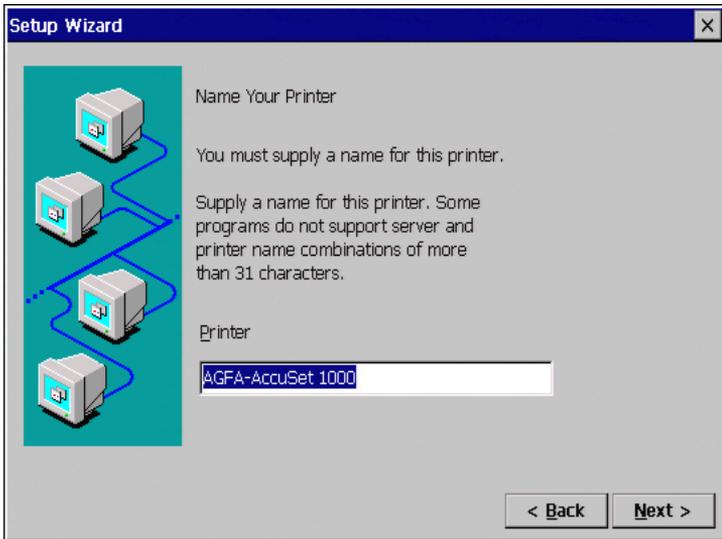


Figure 3–14: Printer Name Dialog Box

In the **Name Your Printer** dialog box, enter a name by which to refer to your printer and click on **Next** to go to the next step.

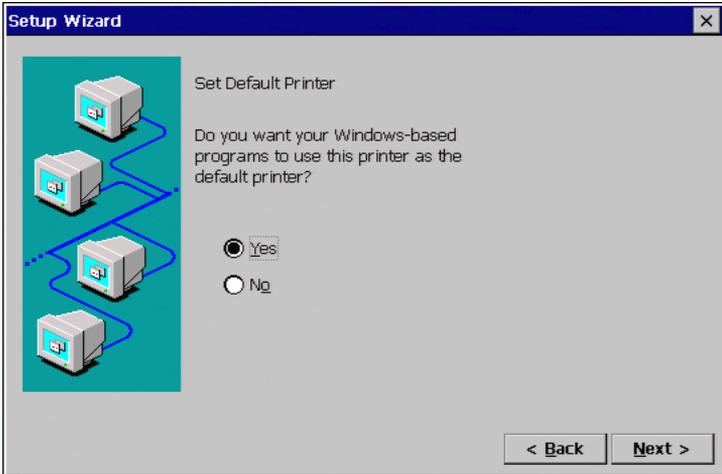


Figure 3–15: Default Printer Dialog Box

In the **Set Default Printer** dialog box, select whether or not you want your Windows-based programs to use this printer as the default printer (**Yes** is the default selection). Click on **Next** to go to the next step.

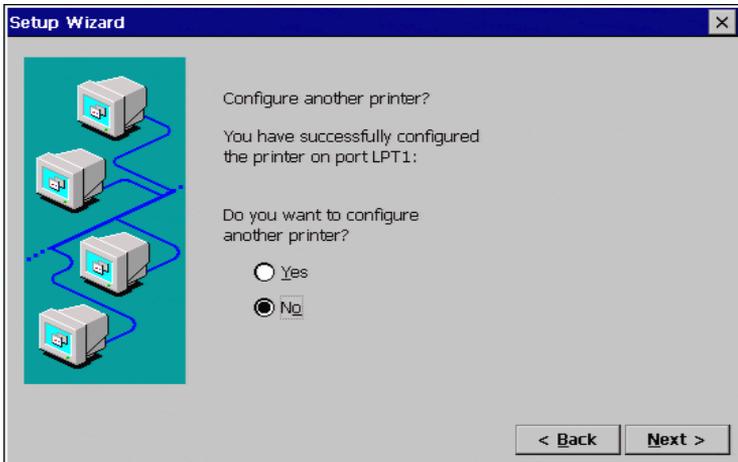


Figure 3–16: Configure Another Printer Dialog Box

If you have another printer connected to a different port on your terminal, select **Yes** in the **Configure another printer** dialog box. Click on **Next** to go to the next step. If you selected **Yes**, the printer setup process will repeat. If you selected **No**, the **Finish** dialog box will open.

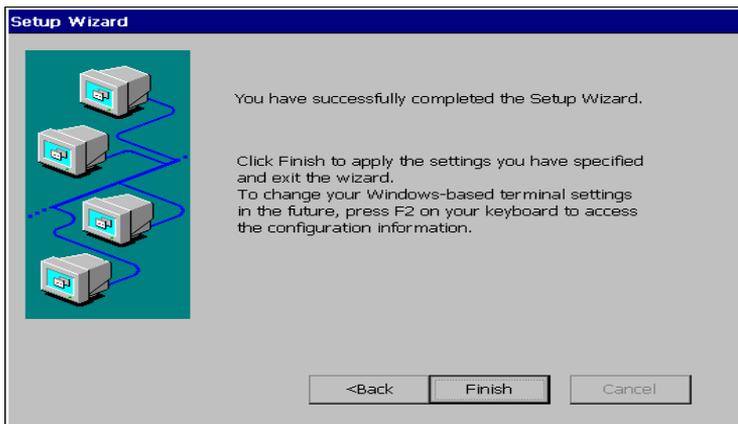


Figure 3–17: Finish Dialog Box

The **Finish** dialog box is informational.

Click on the **Finish** command button to apply your selections and quit the **Setup Wizard**. After the **Setup Wizard** closes, the **Terminal Settings Change** dialog box displays.

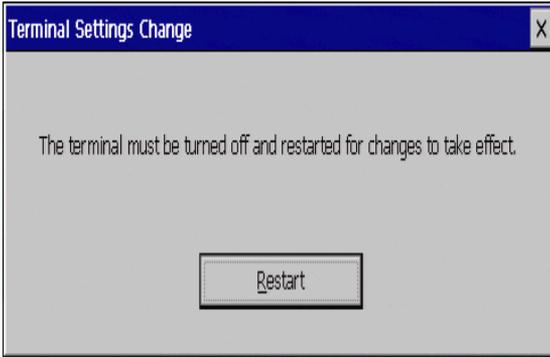


Figure 3–18: Terminal Settings Change Dialog Box

When you click on **Restart**, the terminal will go through the boot process and restart in the normal operating mode. If you want to change any of the selections after you restart, press **F2** to open the **Terminal Properties** dialog box (see “Changing Terminal Properties” for instructions).

Changing Terminal Properties

Terminal properties can be changed or reconfigured at any time during normal terminal operation using the **Terminal Properties** dialog box. Figure 4–1 shows this dialog box.

Using the Terminal Properties Dialog Box

Invoke the **Terminal Properties** dialog box by pressing the **F2** key from the **Connection Manager**.

The **Terminal Properties** dialog box consists of a total of 11 properties sheets that can be invoked by clicking on their individual tabs. The following 6 sheets are used to change terminal properties:

- **Network**—discussed in “Network Configuration”
- **Upgrade**—beginning with “Cable Firmware Upgrades”
- **Security**—beginning with “Security Properties”
- **Web**—discussed in “Web Browser”
- **Apps**—beginning with “Additional Applications”
- **Devices**—beginning with “Devices Properties”
- **Printers**—discussed in “Local Printers”

The **General**, **SysInfo**, **Input**, and **Display** properties sheets are discussed in “General Terminal Information” and “Display Configuration” and “Keyboard and Mouse Configuration” in the *Compaq Evo Thin Client T20 and Compaq T1010 Windows Based Terminals Users Guide*.

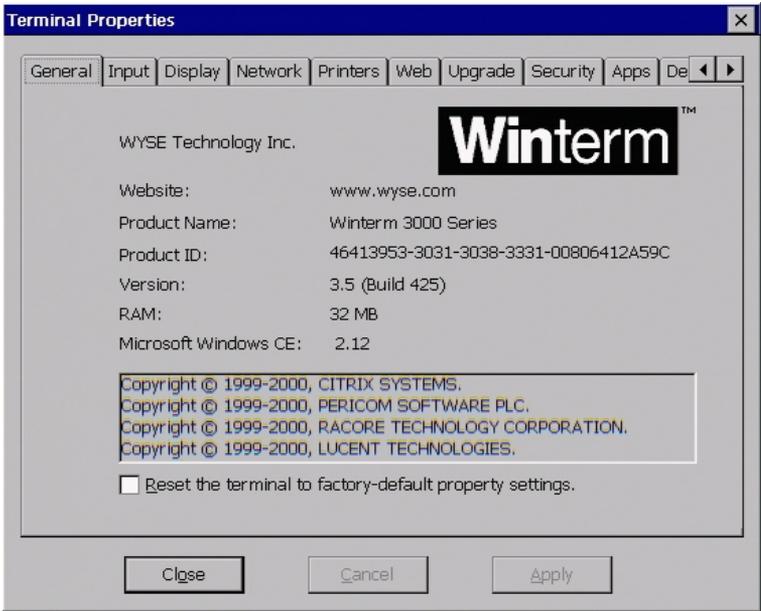


Figure 4–1: Terminal Properties Dialog Box



The amount of available RAM may differ between terminal modules.

Resetting to Factory Defaults

Proceed as follows:

1. Click on the General tab of the **Terminal Properties** dialog box.
2. Click on the **Reset the Terminal to Factory Default Property Settings** check box. Figure 4–2 shows the **System Settings Change** dialog box that displays.
3. Click on **Yes** to start the reset process. The terminal will restart with the factory defaults in effect. The **Setup Wizard** displays when the terminal resets.



If the above reset procedure fails, call technical support at Compaq (800-OKCOMPAQ) for instructions on using a hot-key reset procedure.

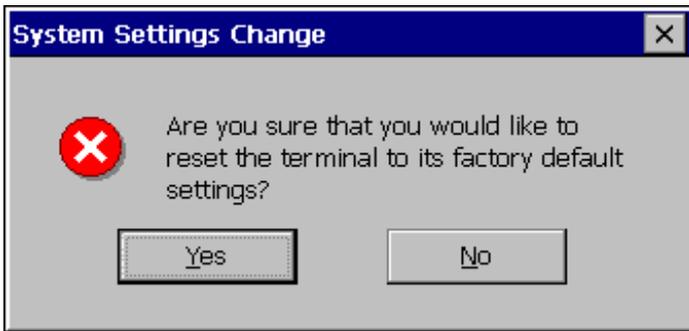


Figure 4–2: System Settings Change Dialog Box

Terminal Settings Change Dialog Box

When you change terminal properties using the **Setup Wizard** or the **Terminal Properties** dialog box, you will click on either the **Finish** or **OK** command button to save your new settings and close the application. The **Terminal Settings Change** dialog box will then display. Figure 4–3 shows the **Terminal Settings Change** dialog box.

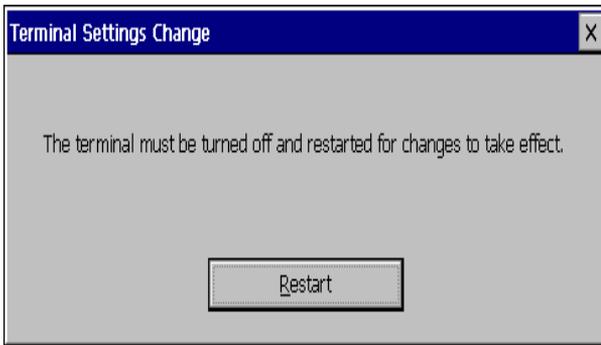


Figure 4–3: Terminal Settings Change Dialog Box

This dialog box contains the **Restart** command button. The terminal must be restarted in order for your new settings to take effect. Click on **Restart** to restart the terminal. The **Connection Manager** displays. See “Connections Management” for detailed information about configuring and making terminal connections.

Network Configuration

The Network properties sheet lets you configure your network. See Figure 5–1 to view this properties sheet.

Using the Network Properties Sheet

To invoke this properties sheet:

1. Press **F2** to invoke the **Terminal Properties** dialog box.
2. Click on the **Network** tab.

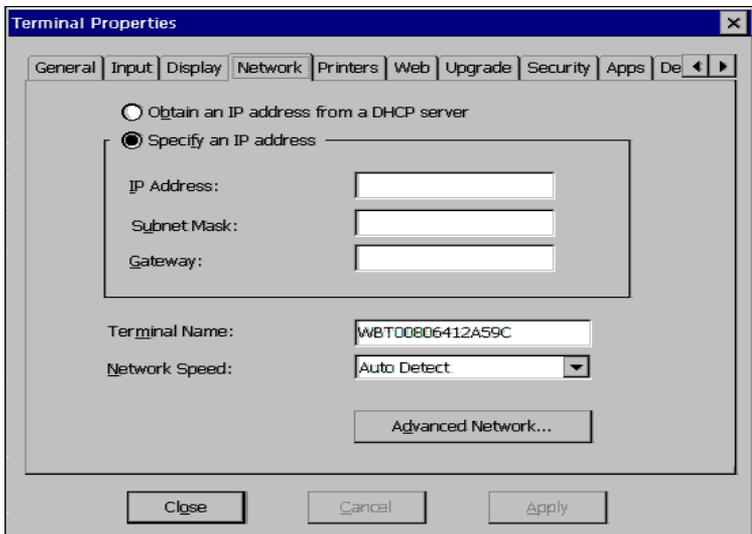


Figure 5–1: Network Properties Sheet

The following table discusses the functions of the Network properties sheet.

Table 5–1: Network Properties Sheet

Function	Description
Obtain an Address from a DHCP Server	Click on this radio button to enable DHCP addressing. An IP address will be automatically assigned to your terminal by the DHCP server.
Specify an IP Address	Use this group box to enter a specific IP address. <hr/> IP Address Enter a static IP address in this field. <hr/> Subnet Mask Enter the subnet mask of the IP address. <hr/> Gateway Enter the gateway of the IP address. <hr/>
Terminal Name	Enter a name of your choice for the terminal.
Network Speed	Use this scroll list to select a network communication speed. The choices are (in Mb/s): <ul style="list-style-type: none">■ Auto Detect (default)■ 10 Mbs - Half Duplex■ 10 Mbs - Full Duplex■ 100 Mbs - Half Duplex■ 100 Mbs - Full Duplex  If you do not know your network's communication speed or whether the communication link should be half- or full-duplex, contact your system administrator.

Table 5–1: Network Properties Sheet (*Continued*)

Function	Description
Advanced Network	The Advanced Network command button is enabled if Specify an IP Address is selected or if a DHCP server was detected on start-up or and Obtain an IP address from a DHCP server is selected . Click on this command button to invoke the Advanced Network Settings dialog box:

Enable DNS

Use the controls in this group to set domain, primary, and secondary IP addresses for DNS. The default for the group is disabled (**Enable DNS** not checked).

Enable WINS

Use the controls in this group to set the primary and secondary IP addresses of a WINS server. The default for the group is disabled (**Enable WINS** not checked).

Web Browser

The **Web** properties (Figure 6–1) sheet lets you configure the Internet Explorer browser.



System time should be set accurately for cookies to work properly for some Web pages. Use of a time server is preferred. See “SNTP Client” in External Devices for information about synchronizing system time to a time server.

Using the Web Properties Sheet

To invoke this properties sheet:

1. Press **F2** to invoke the **Terminal Properties** dialog box.
2. Click on the **Web** tab.

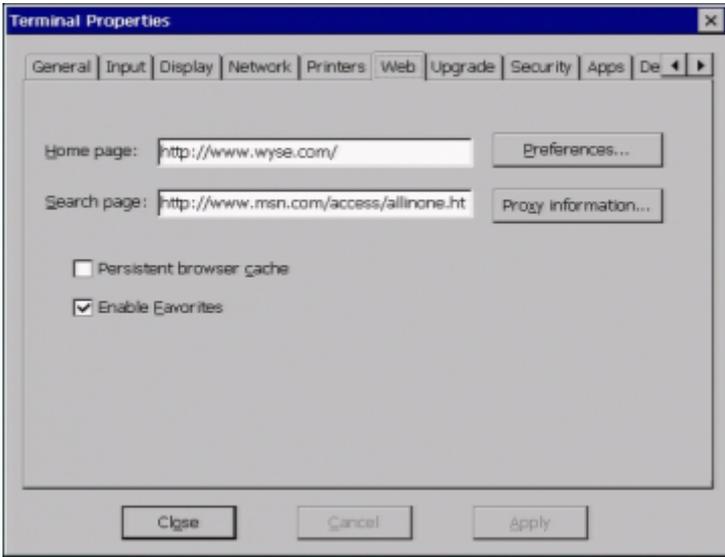


Figure 6–1: Web Properties Sheet

Table 6–1 discusses the functions of the **Web** properties sheet.

Table 6–1: Web Properties Sheet

Function	Description
Home page text box	Enter the URL of the Web page that will open initially upon launching the Browser.
Search page text box	Enter the URL of the search engine home Web page or a Web page that has links to a variety of search engines.
Persistent browser cache check box	Check this box if you want the contents of the browser cache to be retained between sessions.
Enable Favorites check box	Check this box to enable the favorites table in the browser.
Preferences... command button	Opens the Preferences dialog box (Figure 6–2). Make selections indicated by the prompts in this dialog box.
Proxy Information... command button	Opens the Proxy Information dialog box (Figure 6–3). If your terminal accesses the Internet through a proxy server check the Use proxy server box and make the appropriate entries in the now-enabled text and check boxes.

Additional Terminal Applications

Using the Apps Properties Sheet for Compaq T1010 Windows Based Terminals

The **Apps** properties sheet contains functions for ICA, RDP, DHCP, and SNMP management options. Figure 7–1 shows this properties sheet. To invoke the **Apps** properties sheet:

1. Press **F2** to invoke the **Terminal Properties** dialog box.
2. Click on the **Apps** tab in the **Terminal Properties** dialog box.

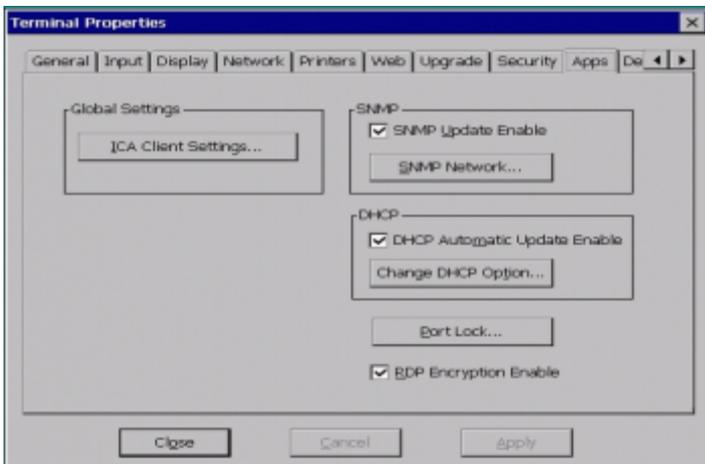


Figure 7–1: Apps Properties Sheet (T1010 Windows Based Terminals)

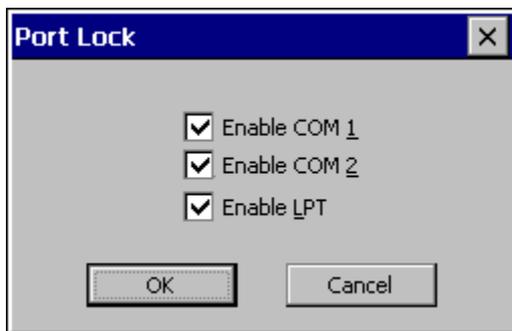
Table 1–1 describes the functions of the **Apps** properties sheet.

Table 7–1: Apps Properties Sheet (T1010 Windows Based Terminals)

Function	Description
Global Settings	Group box used to manage ICA sessions. <hr/> ICA Client Settings Click on the ICA Client Settings command button in the Global Settings group box. See “ICA Client Settings” in the “Advanced User Interface” section for details about ICA client settings.
SNMP Update Enable	Check this box to enable terminal firmware updates through SNMP.
SNMP Network...	Use this command button to invoke the SNMP Network Administration dialog box. See “SNMP Firmware Upgrades” in Firmware Upgrades for details about this dialog box.
DHCP Automatic Update Enable	Check this box to enable automatic firmware upgrades. See “DHCP Firmware Upgrades” in Firmware Upgrades for details.
Change DHCP Option...	Use this command button to invoke the Change DHCP Option IDs dialog box. See “DHCP Firmware Upgrades” in Firmware Upgrades for details.

Table 7–1: Apps Properties Sheet (T1010 Windows Based Terminals) (Continued)

Function	Description
Port Lock	Click on the Port Lock command button to invoke the Port Lock dialog box:



Use the list of check boxes in the dialog box to select which ports you want to lock (enable). The default is all boxes checked.

RDP Encryption Enable	Click this check box to check and enable RDP encryption. By default this function is enabled.
--------------------------	---

 If your WTS server does not support encryption, this function must be disabled.

Using the Apps Properties Sheet for Evo Thin Client T20 Terminals

Figure 7–2 shows this properties sheet.

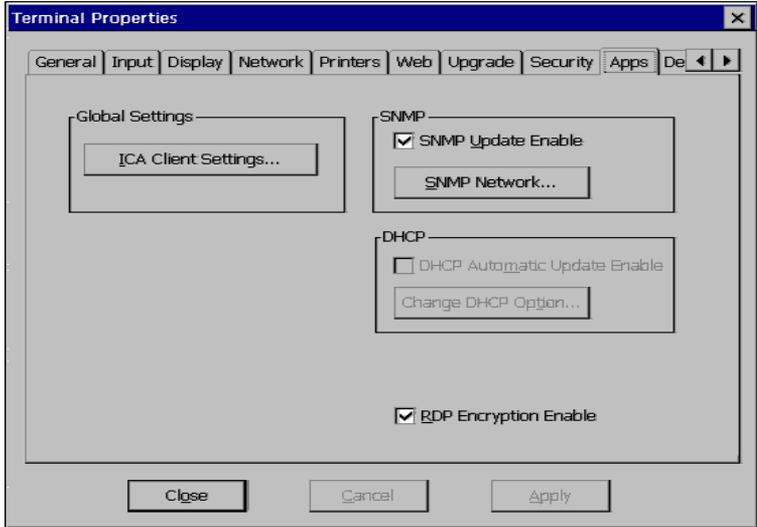


Figure 7–2: Apps Properties Sheet (Evo Thin Client T20 Terminals)

To invoke the **Apps** properties sheet:

1. Press **F2** to invoke the **Terminal Properties** dialog box.
2. Click on the **Apps** tab in the **Terminal Properties** dialog box.

Table 7–2 describes the functions of the **Apps** properties sheet.

Table 7–2: Apps Properties Sheet (Evo Thin Client T20 Terminals)

Function	Description
Global Settings	Use this group box used to manage ICA sessions. ICA Client Settings Click on the ICA Client Settings command button in the Global Settings group box. See “ICA Connections” in Connection Configuration for detailed information about ICA session management.
SNMP Update Enable	Check this box to enable terminal firmware updates through SNMP.
SNMP Network...	Use this command button to invoke the SNMP Network Administration dialog box. See “SNMP Firmware Upgrades” in Firmware Upgrades for details about this dialog box.
DHCP Automatic Update Enable	Check this box to enable automatic firmware upgrades. See “DHCP Firmware Upgrades” in Firmware Upgrades for details.
Change DHCP Option...	Use this command button to invoke the Change DHCP Option IDs dialog box. See “DHCP Firmware Upgrades” in Firmware Upgrades for details.
RDP Encryption Enable	Click this check box to check and enable RDP encryption. By default this function is enabled.
 If your WTS server does not support encryption, this function must be disabled.	

ICA Client Settings

ICA client settings are handled in the **Global ICA Client Settings** dialog box. This dialog box is invoked through the **Apps** properties sheet found in the **Terminal Properties** dialog box. See “Additional Terminal Applications” for detailed information about the **Apps** properties sheet. Figure 8–1 shows the **Global ICA Settings** dialog box.



An ICA session must be running for these hotkeys to function.

Using the Global ICA Client Settings Dialog Box

To invoke the **Global ICA Settings** dialog box:

1. Press **F2** to invoke the **Terminal Properties** dialog box.
2. Click on the **Apps** tab in the **Terminal Properties** dialog box.
3. Click on the **ICA Client Settings** command button in the **Global Settings** group box.

There are five properties sheets associated with the **Global ICA Client Settings** dialog box. A description of the functions of each sheet follows.

Setting the Default Hotkeys

Hotkeys can be used during ICA sessions to invoke various functions. Some hotkeys control the behavior of ICA windows, while others emulate standard Windows hotkeys. To set hotkeys, access the **Default Hotkeys** properties sheet. It is the default properties sheet for the **Global ICA Client Settings** dialog box. The following figure shows the **Default Hotkeys** properties sheet.

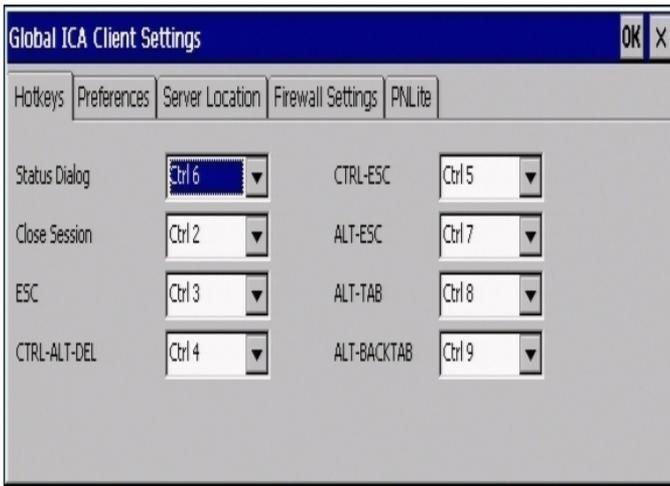


Figure 8-1: Default Hotkeys Properties Sheet

Use the pull-down scroll boxes on the **Default Hotkey** properties sheet to customize default hotkey key sequences.

The following table describes the hotkeys.

Table 8–1: Default Hotkeys Properties Sheet

Function	Description
Status Dialog	This function displays ICA connection status.
Close Session	This function disconnects an ICA client from a server and closes the client window on the local desktop. When you use this hotkey, the open session continues to run on the server. If you do not want to leave the session running in a disconnected state, log off.
Esc	Functions as Esc (escape) key.
Ctrl+Alt+Del	This hotkey displays the Windows NT Security dialog box.
Ctrl+Esc	<ul style="list-style-type: none"> ■ On WinFrame servers, pressing this key sequence displays the Remote Task List. ■ On MetaFrame servers, pressing this key sequence displays the Windows NT Start menu.
Alt+Esc	This hotkey cycles the focus through the minimized icons.
Alt+Tab	This hotkey cycles sequentially through applications that are open. A window appears to display the applications as you cycle through them.
Alt+Backtab	This hotkey cycles sequentially through applications that are open in a session, but in the opposite direction.

Setting Terminal Preferences

Use the **Preferences** properties sheet to change default settings. To invoke the **Preferences** properties sheet:

1. Click on the **ICA Client Settings** command button on the **Apps** properties sheet.
2. Click the **Preferences** tab.

The **Preferences** properties sheet displays. Figure 8–2 shows the **Preferences** properties sheet.

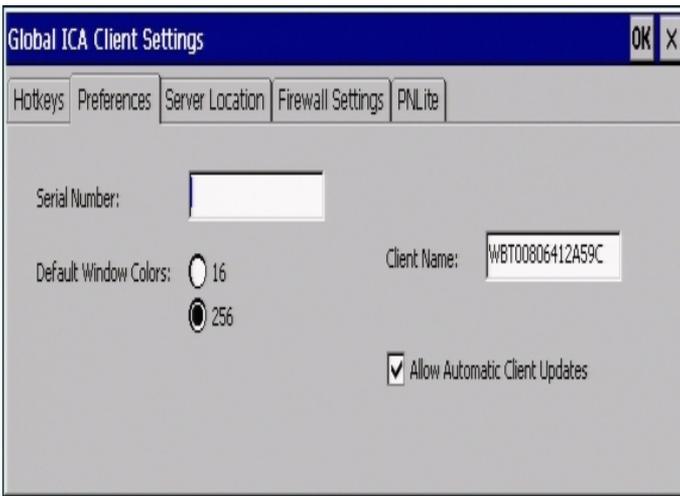


Figure 8–2: Preferences Properties Sheet

The following table describes each function of the properties sheet.

Table 8–2: Preferences Properties Sheet

Function	Description
Serial Number	<p>This is the serial number of your ICA Client software. This field is only necessary when you are using the ICA Windows CE Client with a product such as WinFrame Host/Terminal, which requires each client to have a Citrix PC Client Pack serial number in order to connect to the server. If a serial number is required, you must enter it exactly as it appears on the serial number card. The Serial Number field is not used by MetaFrame servers.</p>
Default Window Colors	<p>Two or three radio buttons are displayed. If the terminal Color Palette (using the Display properties sheet in the Terminal Properties dialog box) is 256 colors, radio buttons for 16 or 256 colors are displayed. If 65536 is selected in the Color Palette, after restarting the terminal an additional radio button, Thousands, is displayed.</p> <p> The ICA server must be capable of supporting 16-bit color for the Thousands selection to work. If not, the terminal will display only 256 (8-bit) colors when Thousands is selected.</p> <p>When using a PPP connection, 16 color mode may provide faster performance. If the window options specified exceed the capabilities of the client hardware, the maximum size and color depth supported by the CE operating system are used.</p>

Table 8–2: Preferences Properties Sheet (Continued)

Function	Description
Client Name	This text box allows you to change the client name of your client device. The Citrix server uses the client name to uniquely identify resources (such as mapped printers) associated with a given client device. The client name should be unique for each computer running a copy of a Citrix ICA Client. If you do not use unique client names, device mapping and application publishing may not operate correctly. The default is WBT<mac address>. The maximum length of the client name is 15 characters.
Allow Automatic Client Updates check box	Use the Client Auto Update feature to store new versions of Citrix ICA Clients. The ICA Client software is stored in a client update database and downloaded to the terminal when a user connects to the Citrix server.

Setting the Server Location

Use the **Server Location** properties sheet to construct a list of ICA servers. To invoke this properties sheet:

1. Click on the **ICA Client Settings** command button on the **Apps** properties sheet.
2. Click the **Server Location** tab.

The **Server Location** properties sheet displays. The following figure shows this sheet.

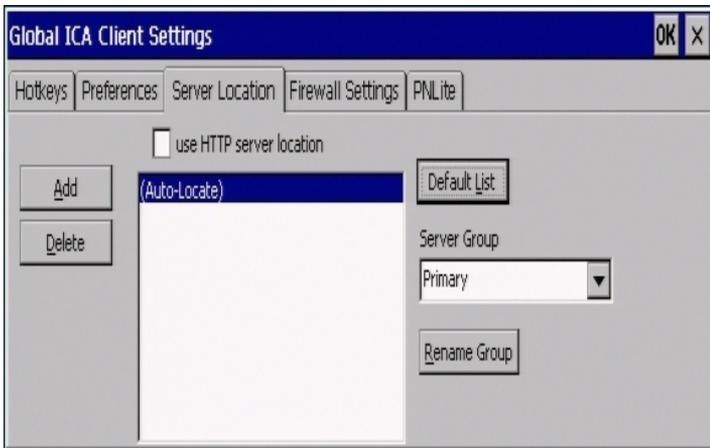


Figure 8–3: Server Location Properties Sheet

The following table describes each of the functions of this sheet.

Table 8–3: Server Location Properties Sheet

Function	Description
Add	Click on this command button to open the Add Server Address dialog box. The server is added to the selected server group. If you checked use HTTP server location, you must enter the server address and port to use.
Delete	Use this button to delete the name or IP address of a server from the selected group.
Use HTTP server location	Check this box if your firewall restricts UDP broadcasts. This option enables the client to retrieve a list of all Citrix servers on the network and a list of all published applications from a Citrix server that is behind a firewall.

Table 8–3: Server Location Properties Sheet (Continued)

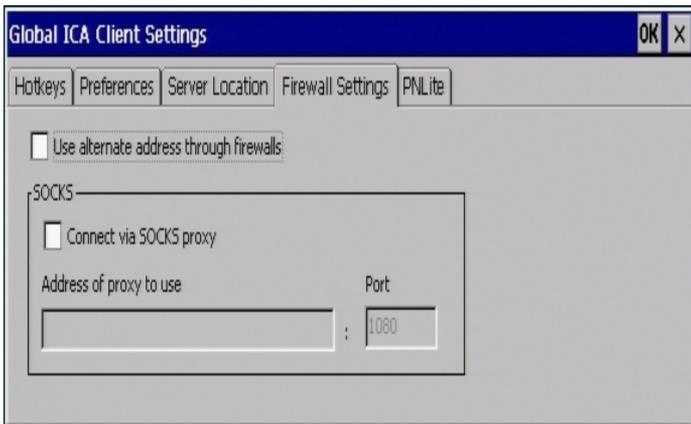
Function	Description
Default List	Use this button to recall the previous server list.
Server Group	Use this drop-down list to select whether the servers entered in the Address List field belong to your Primary, first backup (Backup 1), or second backup (Backup 2) group.
Rename Group	Opens the Rename Server Location Group dialog box.

Setting Up a SOCKS Firewall

Use the Firewall Settings properties sheet to set up a SOCKS (Socket Secure) firewall. To invoke this properties sheet:

1. Click on the **ICA Client Settings** command button on the Apps properties sheet.
2. Click the Firewall Settings tab.

The properties sheet displays. The following figure shows this sheet.

**Figure 8–4: Firewall Settings Properties Sheet**

The following table describes each of the functions of this sheet.

Table 8–4: Firewall Settings Properties Sheet

Function	Description
Use Alternate Address Through Firewalls	By default the box is not checked.
SOCKS	<p>Use this group box to enable and configure SOCKS protocol.</p> <hr/> <p>Connect Via SOCKS Proxy Check this box to enable a SOCKS proxy connection. SOCKS is a protocol that sets up a proxy server between a client and a server. This proxy server then acts as a channel for communication between the client and server. By default the box is not checked.</p> <hr/> <p>Address of Proxy to Use Enter in this text box the address of the proxy server. By default this box is deactivated.</p> <hr/> <p>Port Enter in this text box the port number. By default this box is deactivated.</p>

Setting Up a PNLite

PNLite is an ICA connection mode that enables the terminal to connect to applications available on a Citrix server without having to configure connections for each published application.



Refer to “NFuse Server Configuration Requirements” for an explanation of the differences between the methods of accessing published applications via the NFuse server and limitations on the NFuse server application setup for use with thin client terminals.



PNLite connections are not supported by failover (See “Failover”).

To invoke this properties sheet:

1. Click on the **ICA Client Settings** command button on the **Apps** properties sheet.
2. Click the **PNLite** tab.

The properties sheet displays. The following figure shows this sheet.

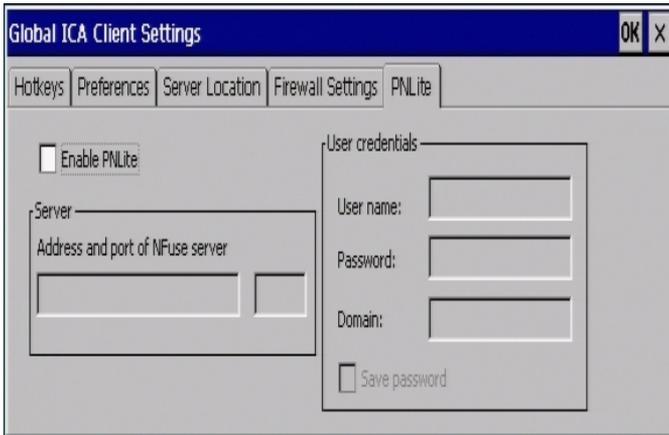


Figure 8–5: PNLite Properties Sheet

The following table describes each of the functions of this sheet.

Table 8–5: PNLite Properties Sheet

Function	Description
Enable PNLite	Check to enable the PNLite application.
Server area	Enter the address and port number of the NFuse server in the Address and Port of NFuse Server text boxes.
User credentials area	Enter the requested information in the User Name , Password , and Domain text boxes. Check the Save password box if you want the password retained on the terminal.

Creating New Connections

The **New Connection** dialog box is used to create new connections. Figure 9–1 shows the **New Connection** dialog box.

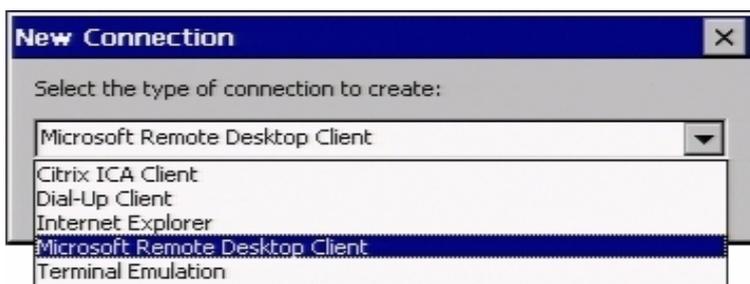


Figure 9–1: New Connection Dialog Box

Using the New Connection Dialog Box

To invoke the dialog box:

1. Click on the **Configure** tab in the **Connection Manager** dialog box.
2. Click on the **Add** command button on the **Configure** properties sheet.

See “Connection Configuration” for details about the **Connection Manager**.

Use the scroll list shown in the dialog box above to select the type of connection protocol you want. When you choose from the list above, you are deciding which connection protocol you want to use to connect to a server. Six selections are available.

Choosing a Connection Protocol

The following table describes the differences between the connections available with your WBT.

Table 9–1: New Connection Dialog Box

Connection Protocol	Description
Citrix ICA Client	ICA (Independent Computing Architecture) protocol, which connects to an ICA (Winframe/Metaframe) server. See “ICA Connections” for further instructions about how to create this kind of connection.
Dial-Up Client	Connects using a modem and PPP (Point-to-Point Protocol). See “Dial-Up Connections” for further instructions about how to create this kind of connection.
Microsoft Remote Desktop Client	RDP (Remote Desktop Protocol), which connects to a WTS (Windows Terminal Server) server. See “RDP Connections” for further instructions about how to create this kind of connection.
Internet Explorer	Local browser (Internet Explorer) connection. See “Internet Explorer Connections” for further instructions about how to create this kind of connection.
Terminal Emulation	Connects to multiple terminal emulation applications. See “Terminal Emulation Connections” for further instructions about how to create this kind of connection.

Once you have made your selection, click on **OK** to proceed with creating a connection.



A **Use Printer Configuration Utility** check box is encountered in two places:

1. **Connection Manager** (Select an ICA Connection) | **Edit** | **Edit Connection Details** | **Options** tab, and
2. **Connection Manager** | **Add** | **Select Citrix ICA Client** | Wizard leading to **Printing, Compression, Cache, Encryption** and **Sound** dialog box.

The box is checked by default. Uncheck the box if you desire to use the standard Windows printer setup. Also uncheck the box for CDS printing.

Using the Startup Function

Your terminal can be set to automatically connect to a server when you turn your terminal on. This function is set using the **Connection Startup** dialog box. The following figure shows this dialog box.



Figure 9-2: Connection Startup Dialog Box

Click on one of the two radio buttons in the **Startup Options** group box (in the **Connection Startup** dialog box above) to select a start-up option:

To invoke the **Connection Startup** dialog box:

1. Click on the **Configure** tab in the **Connection Manager** dialog box.
2. Click on the **Startup** command button on the **Configure** properties sheet.

The following table describes the functions of this dialog box.

Table 9–2: Connection Startup Dialog Box

Function	Description
Make the Selected Connection Your Default Connection	Click this radio button to use the connection you selected in the Connection Manager as the default connection. The default connection is the connection that always appears in the Connection Name list.
Automatically Start the Selected Connection at Startup	Click this radio button to start the connection you selected in the Connection Manager automatically at startup.  Autostart status may be modified for individual users using the Add/Modify User Account dialog box accessed from the Security tab.



The functions in the **Startup Options** group box are selected using radio buttons and are thus mutually exclusive.

ICA Connections

Use the **Specify Connection Type** dialog box to start configuring an ICA connection. The ICA protocol connects you to a server running Citrix WinFrame or MetaFrame.

Using the ICA Connections Wizard

When the **New Connection** dialog box is open (see “Creating New Connections”):

1. Use the drop-down scroll list to select **Citrix ICA Client**.
2. Click on **OK**.

Figure 10–1 shows the **Specify Connection Type** dialog box. This is the first dialog box that appears in the series.

■ Network Connection

- Click on this radio button to create a network ICA connection. This type of connection requires a direct line to the network, such as 10Base-T. See “Network Connections.”

■ Dial-In Connection

- Click on this radio button to create a serial ICA connection. This type of connection is made using a modem or a direct connection. See “Dial-Up Connections.”

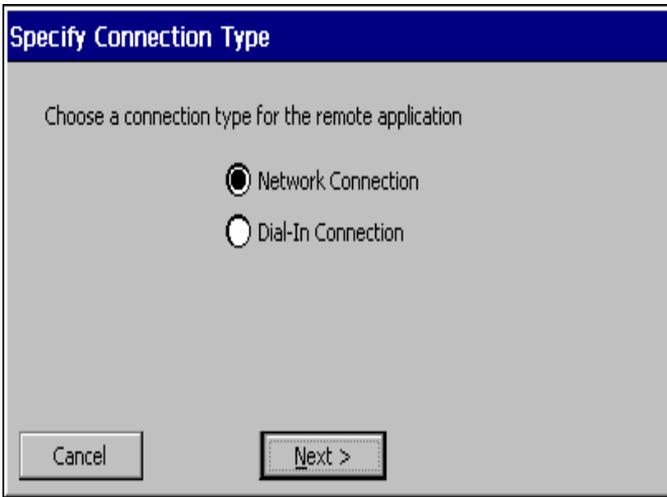


Figure 10–1: *Specify Connection Type Dialog Box*

Network Connections

Select **Network Connection**, then click on the Next button. A Citrix search message displays:



Figure 10–2: *Citrix Search Message*

If the connection is found, the following sequence of dialog boxes displays. Use them to set up your network ICA connection.

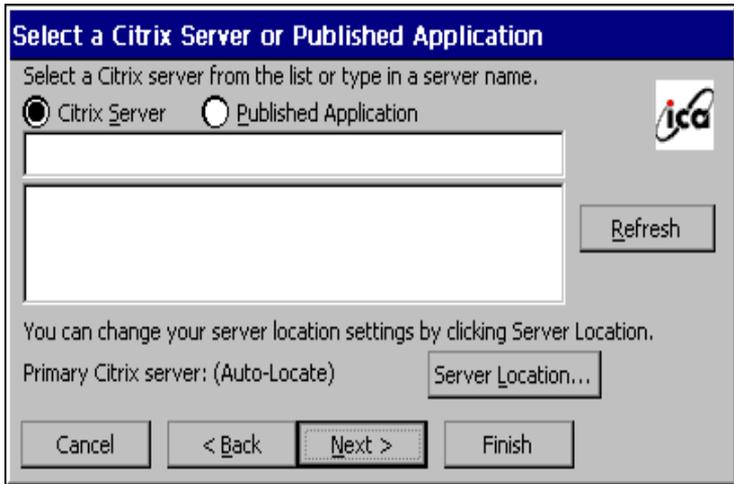


Figure 10–3: Select a Citrix Server or Published Application Dialog Box

To use the **Select a Server** or **Published Application** dialog box:

1. Click on either **Citrix Server** or **Published Application**.
2. Select a server or an application from the drop-down scroll list, or type the information in the text entry box.



The **Refresh** command button refreshes the drop-down scroll list.



The **Server Location** command button invokes the **Server Location** dialog box. The server in **Server Location** will act as a master browser for creation of the **Address** list. See Figure 10–4.

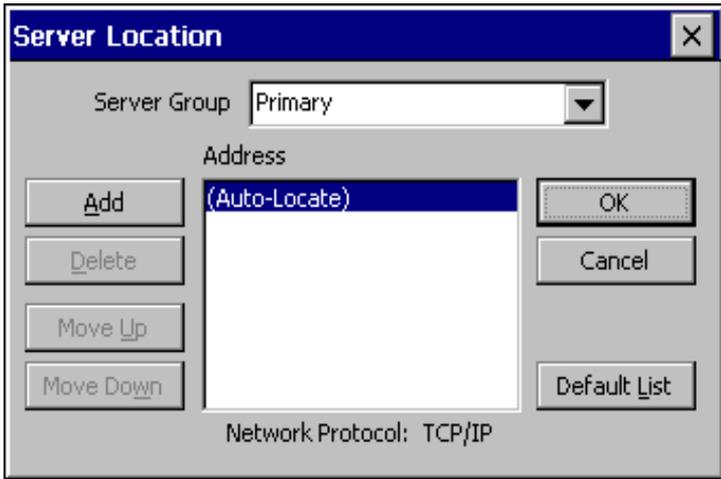


Figure 10–4: Server Location Dialog Box

3. If you want to add a server name or IP address, click on the **Add** command button to invoke the **Add Server Address** dialog box.

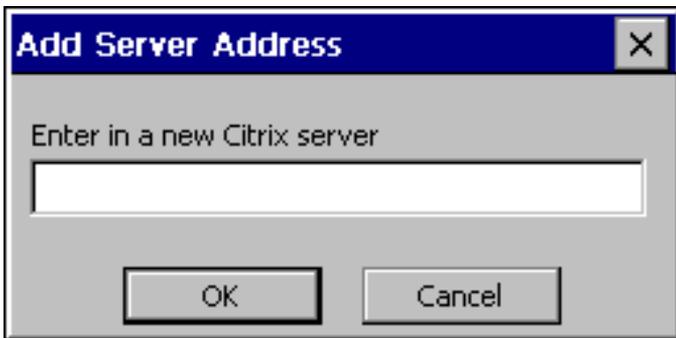


Figure 10–5: Add Server Address Dialog Box

4. Enter the name or IP address of the Citrix server. Click on **OK** in this dialog box and then click on **OK** in the **Server Location** dialog box.
5. Click on **Next**.

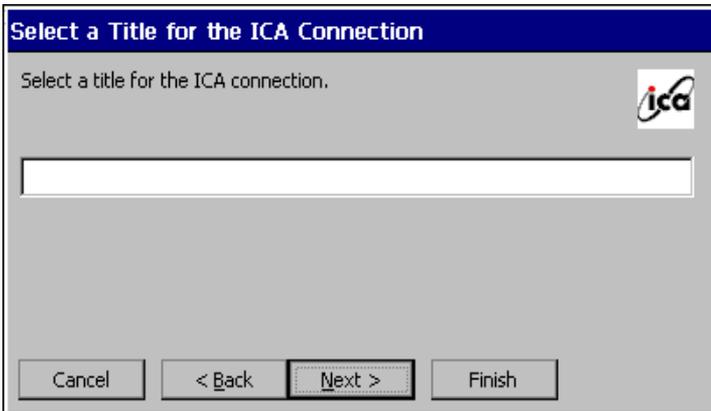


Figure 10–6: *Select a Title for the ICA Connection Dialog Box*

Enter a connection in the text box in the **Select a Title for the ICA Connection** dialog box, then click on **Finish**.

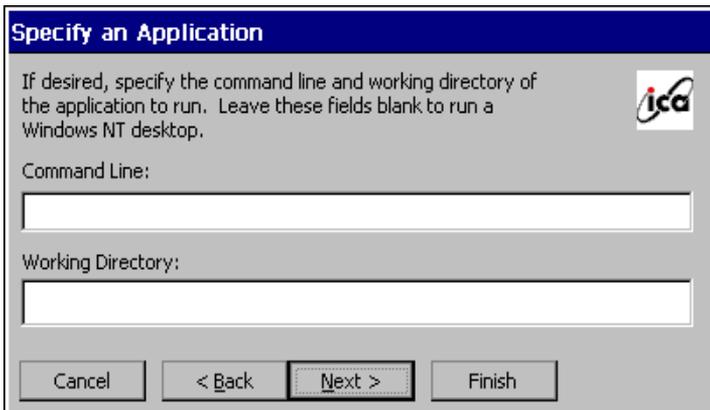


Figure 10–7: *Specify an Application Dialog Box*

To use the **Specify an Application** dialog box:

1. Enter the command line and directory of the application that you intend to invoke.
2. Click on **Next**.

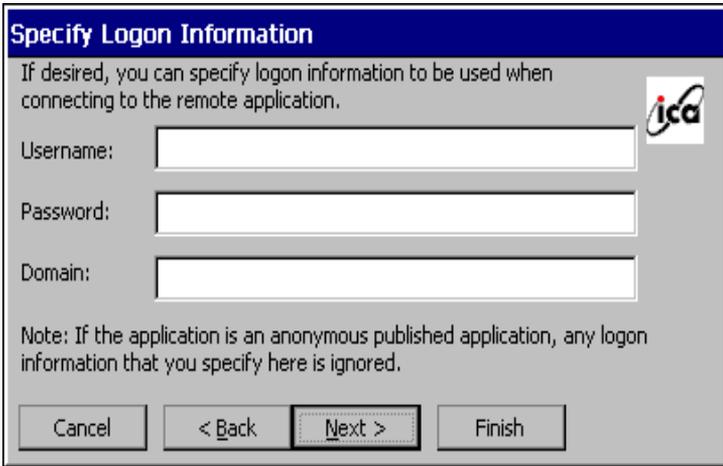


Figure 10–8: Specify Logon Information Dialog Box

To use the **Specify Logon Information** dialog box:

1. If needed, enter a user name, a password, and a domain for connecting to an application.
2. Click on **Next**.

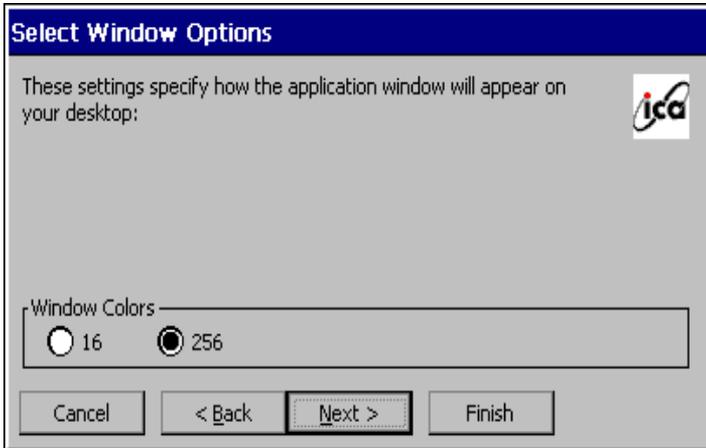


Figure 10–9: Select Window Options Dialog Box

To use the **Select Window Options** dialog box:

1. Click on the desired number of colors to display, **16**, **256**, (or **Thousands**).

Two or three radio buttons are displayed depending on the palette selected. If the terminal **Color Palette (Display properties sheet in Terminal Properties dialog box)** is **256 colors**, radio buttons for **16** or **256** colors are displayed. If **65536** is selected in the **Color Palette**, after restarting the terminal an additional radio button, **Thousands**, is displayed in this dialog box.



The ICA server must be capable of supporting 16-bit color for the **Thousands** selection to work. If not, the terminal will display only 256 (8-bit) colors when **Thousands** is selected.

2. Click on **Next**.

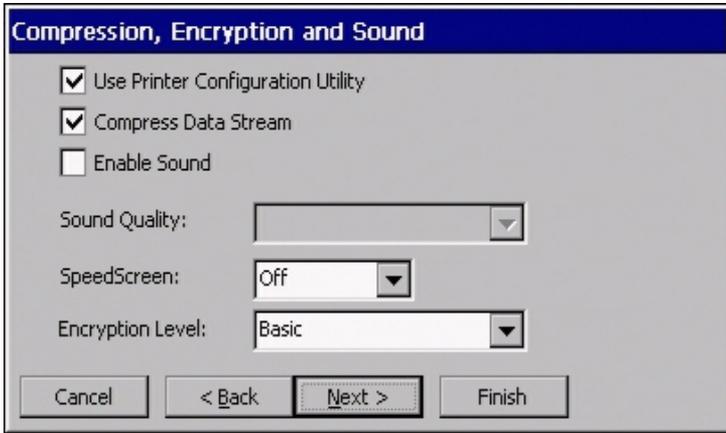


Figure 10–10: Compression, Encryption and Sound Dialog Box

To use the **Compression, Encryption and Sound** dialog box:

1. Enable or disable the following functions:
 - c. **Use Printer Configuration Utility** check box—See “Local Printers.”
 - d. **Compress Data Stream** check box—Applies compression.
 - e. **Enable Sound** check box and **Sound Quality** check box—High, Medium, and Low sound quality selectable with this function.
 - f. **SpeedScreen** drop-down menu—Allows selection of **Off** (default), **On**, or **Auto** for possible improvement of screen display performance. SpeedScreen is a latency reduction feature that enhances the user’s experience on slower network connections. It echos local text to accelerate display of input text on the terminal and provides visual feedback for mouse clicks to show that the user’s input is being processed.

- g. **Encryption Level**—Drop-down menu allows selection of the encryption level:

- ◆ Basic (default)
- ◆ RC5 (128 bit—Login Only)
- ◆ RC5 (40 bit)
- ◆ RC5 (56 bit)
- ◆ RC5 (128 bit)

2. Click on Next.

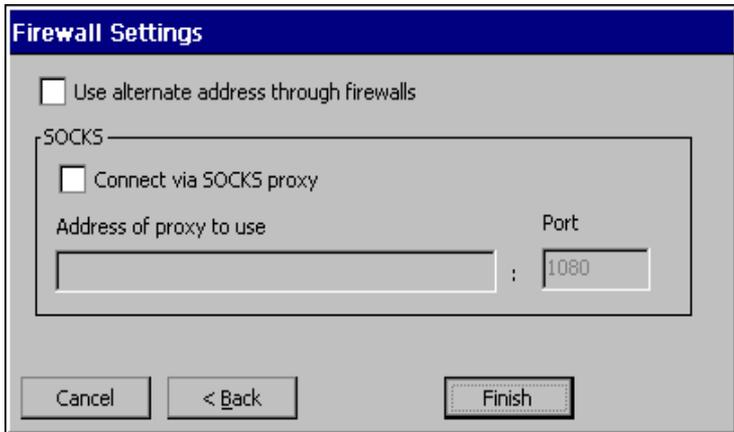


Figure 10–11: Firewall Settings Dialog Box

1. Enable or disable the following functions:
 - a. Use Alternate Address Through Firewalls
 - b. SOCKS
 - c. Connect Via SOCKS Proxy
 - d. Address of Proxy to Use
 - e. Port
2. Click on **Finish**.

Dial-In Connection



This section applies only to T1010 terminals.

Choose **Dial-In Connection**, then click on the **Next** button. The following sequence of dialog boxes displays. Use them to set up your dial-in ICA connection.

The screenshot shows a dialog box titled "Dial-In Devices". It has a blue title bar. The main area is light gray. At the top, there is a label "Dial-In Device:" followed by a drop-down menu showing "Hayes Compatible on COM2:" and a "Configure" button. Below this are three input fields: "Area", "Phone Number", and "Country", separated by hyphens. There is a checkbox labeled "Use Area and Country Codes". At the bottom, there are three buttons: "< Back", "Next >", and "Cancel".

Figure 10–12: Dial-In Devices Dialog Box

To use the **Dial-In Devices** dialog box:

1. From the **Dial-In Device** drop-down scroll list, select one of the following:
 - a. A modem connection such as **Hayes Compatible on COM1**.
 - b. A serial connection such as **Serial Cable on COM1**.
2. Enter the area code, the phone number, and the country code in the appropriate fields.

3. Click on **Configure** to use the **Device Properties** dialog box. (See “Using the Device Properties Dialog box” for information on the **Device Properties** dialog box).
4. See Figure 10–6 through Figure 10–11 and the related text for information about the remainder of the dialog boxes in this sequence.

When you are finished with the configuration, the **Connection Manager** displays, listing your new ICA connection.

Dial-Up Connections

Use the **Dial-Up Configuration Wizard** to configure a dial-up connection. Dial-up connections use a modem and PPP to connect to a server.

Using the Dial-Up Configuration Wizard

From the **New Connection** dialog box (see “Creating New Connections”):

1. Use the drop-down scroll list to select **Dial-Up Client**.
2. Click on **OK**.

Following are the three dialog boxes that display in succession during a dial-up configuration process. When you are finished with the configuration, the new connection will be added to the **Connection Name** list in the **Connection Manager**. See Figure 11–1 to view the first dialog box of the wizard.



Figure 11–1: Dial-Up Configuration Wizard 1

To use the first dialog box:

1. Enter a name for your dial-up connection (a maximum of 20 characters but not <, >, (,), [,], /, \, ., *, ?, :, ;, ", |, and ,).
2. Click on **Next**.



Figure 11–2: Dial-Up Configuration Wizard 2

To use the second dialog box of the wizard:

1. Select from the **Serial Port** drop-down scroll list one of the following:
 - c. A modem connection such as **Hayes Compatible on COM1**.
 - d. A cable connection (serial connection) such as **Serial Cable on COM1**.
2. Enter your information in the pertinent fields. **Country Code** and **Area Code** will activate if **Use Country Code and Area Code** is enabled.
3. Click on the **Dialing Properties** command button to open the **Dialing Properties** dialog box. See “**Using the Dialing Properties Dialog Box**” for details about this dialog box.

4. Click on the **Configure** command button to open the **Device Properties** dialog box. See “Using the Device Properties Dialog Box” for details about this dialog box.
5. Click on the **TCP/IP Settings** command button to open the **TCP/IP Settings** dialog box. See “Dial-Up TCP/IP Settings and Security” for details about this dialog box.
6. Click on the **Security** command button to open the **Security Settings** dialog box. See “Dial-Up TCP/IP Settings and Security” for details about this dialog box.
7. Check the **Enable RAS Script** check box, and click on the **Script** command button to open the **RAS Script** dialog box. See “Dial-Up Scripts” for details about this dialog box.
8. Click on **Next**. This opens the dialog box shown in Figure 11–3.

To use the third dialog box of the wizard:

1. Enter your information in the pertinent fields. If you do not know the information, contact your system administrator.
2. Click on **Finish**.

The **Connection Manager** displays, listing your new dial-up connection.

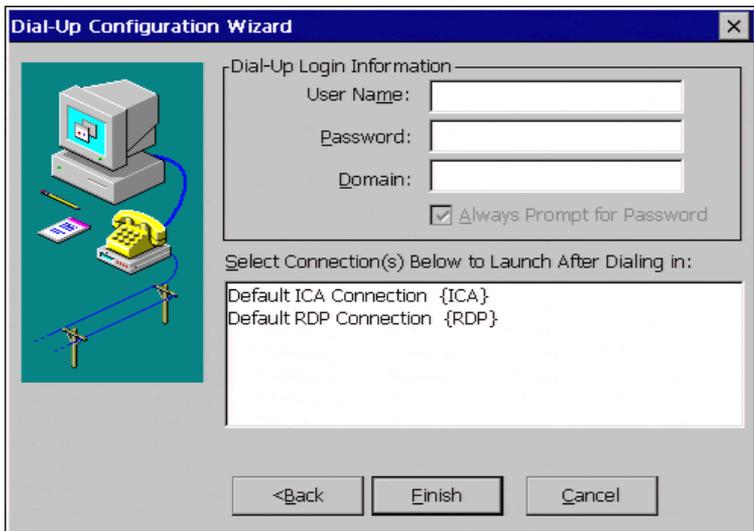


Figure 11–3: Dial-Up Configuration Wizard 3

Dial-Up Dialing Properties and Configuration

The following sections provide information about some of the elements of the **Dial-Up Configuration Wizard**. This chapter covers dialing properties and device properties. Dialing properties are set using the **Dialing Properties** dialog box (Figure 12–1). Device properties are set using the **Device Properties** dialog box (Figure 12–1).



See “Null Modem Cable Pin Assignments” for a suggested null modem cable for use with your terminal.

Using the Dialing Properties Dialog Box

Use the **Dialing Properties** dialog box to set the dialing properties for your dial-up connection. See “Dial-Up Connections” to find out how to invoke this dialog box.

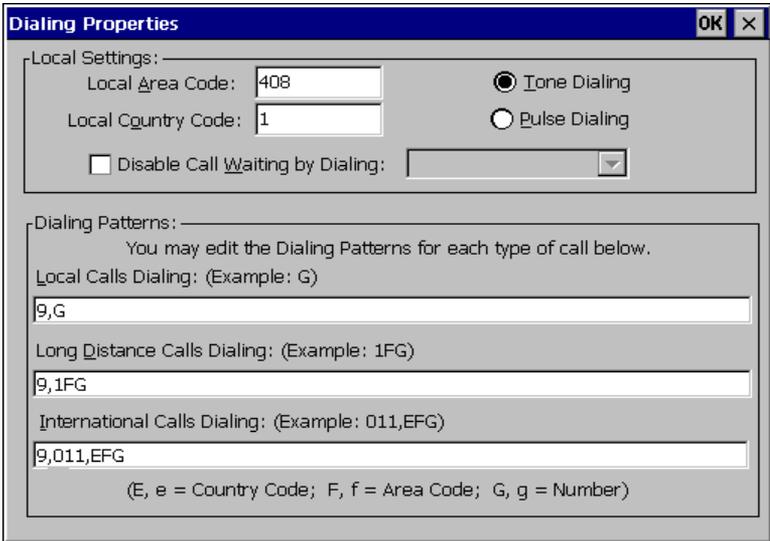


Figure 12–1: Dialing Properties Dialog Box

The following table discusses the functions of the dialog box.

Table 12–1: Dialing Properties Dialog Box

Function	Description
Local Settings	Set local dialing locale and dialing type in this group box.
	Local Area Code
	Enter the local area code that you want to use.
	Local Country Code
	Enter the local country code of the country to which you are dialing. The default for this field is 1 .
	 Refer to a phone directory for country codes.
	Disable Call Waiting by Dialing:
	<ol style="list-style-type: none"> 1. Click on the check box. 2. Select from the drop-down scroll list one of the following: <ul style="list-style-type: none"> ■ *70, (default) ■ 70#, ■ 1170,
	Tone Dialing
	Click on this radio button to enable tone dialing. Tone Dialing is the default.
	Pulse Dialing
	Click on this radio button to enable pulse dialing.

Table 12–1: Dialing Properties Dialog Box (Continued)

Function	Description
Dialing Patterns	Use this group box to set your modem’s dialing patterns.
	Local Calls Dialing
	Enter the local call dialing pattern. The default is 9,G .
	Local Long Distance Calls Dialing
	Enter the long distance call dialing pattern. The default is 9,1FG .
	International Calls Dialing
	Enter the international call dialing pattern. The default is 9,011,EFG .
	 An explanation of the lettering scheme for dialing patterns is located below the function International Calls Dialing .

Using the Device Properties Dialog Box

Use the **Device Properties** dialog box to configure a device (modem) for a dial-up connection. See “Dial-Up Connections” to find out how to invoke this dialog box.

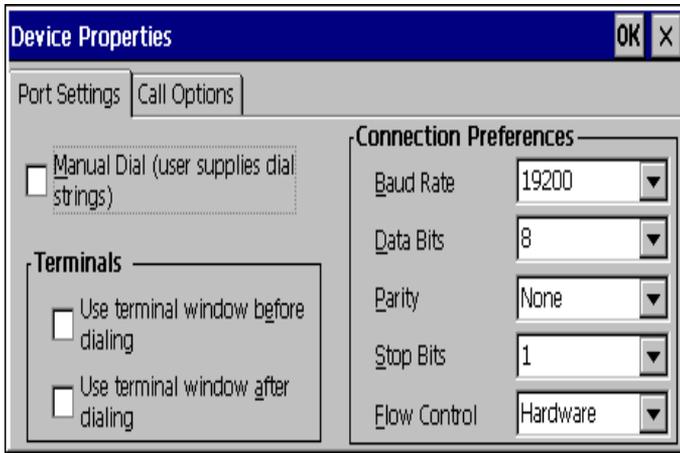


Figure 12–1: Device Properties Dialog Box

The **Device Properties** dialog box contains two properties sheets:

- **Port Settings**
- **Call Options**

The following sections discuss these properties sheets.

Port Settings

See Figure 12–1 to view the **Port Settings** properties sheet. It is the default of the **Device Properties** dialog box. The following table discusses the functions of this properties sheet.

Table 12–2: Port Settings Properties Sheet

Function	Description
Manual Dial	Click on this check box to set up for manual dialing.
Terminals	Use this group box to record terminal windowing information: <ul style="list-style-type: none">■ Use Terminal Window Before Dialing■ Use Terminal Window After Dialing
Connection Preferences	Use this group box to set modem connection parameters.

Call Options

Click on the **Call Options** tab to invoke the **Call Options** properties sheet.

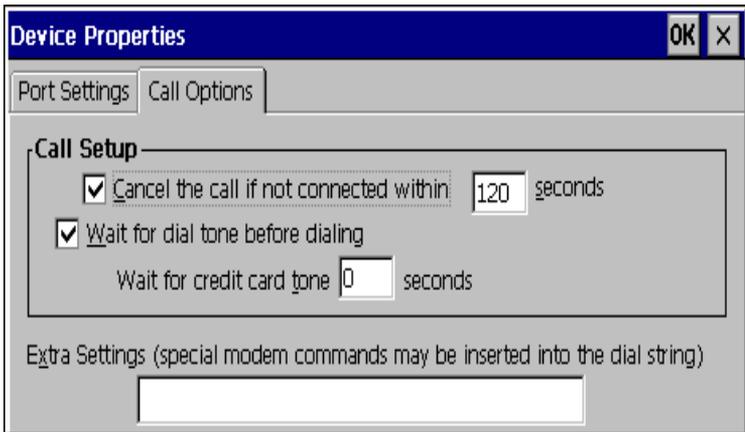


Figure 12–1: Call Options Properties Sheet

The following table discusses the functions of this properties sheet.

Table 12–3: Call Options Properties Sheet

Function	Description
Call Setup	<p>Use this group box to configure the following call parameters:</p> <p>Cancel the Call if Not Connected Within</p> <ol style="list-style-type: none">1. Enter in this field the number of seconds to wait before a call is canceled. The default is 120 with the function enabled.2. Click the check box to enable the function. <hr/> <p>Wait for Dial Tone Before Dialing</p> <p>Click on the check box to enable the function. By default this function is enabled.</p> <p>Wait for Credit Card Tone</p> <p>Enter in the field the period (in seconds) of time to wait. The default is 0.</p>
Extra Settings	<p>Use this field for special modem commands. See “Modem AT Commands” in Getting Help for more details.</p>

Dial-Up TCP/IP Settings and Security

The following sections provide information about some of the elements of the **Dial-Up Configuration Wizard**. This chapter covers TCP/IP settings and dial-up security.

Using the TCP/IP Settings Dialog Box

Click on the **TCP/IP Settings** command button in the second dialog box of the **Dial-Up Configuration Wizard** to set TCP/IP dial-up settings. When this command button is pressed, the **TCP/IP Settings** dialog box displays. Figure 13–1 shows this dialog box.

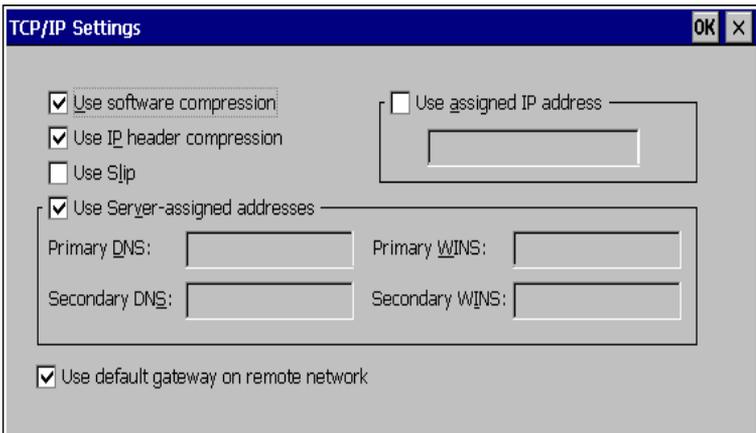


Figure 13–1: TCP/IP Settings Dialog Box

The following table discusses the functions in this dialog box.

Table 13–1: TCP/IP Settings Dialog Box

Function	Description
Use Software Compression	Click on this check box to enable this function. By default, this function is activated and enabled.
Use IP Header Compression	Click on this check box to enable Use IP Header Compression . By default, this function is activated and enabled.
Use SLIP	Click on this check box to enable this function. SLIP is Serial Line Internet Protocol. By default, this function is not enabled.
Use Assigned IP Address	Click here to activate this text box. By default, the text entry box is not activated.
Use Server-Assigned IP Addresses	Click here to disable server-assigned addresses and to activate the text entry boxes for typing-in addresses. By default, the check box is checked and the text entry boxes are not activated.
Use Default Gateway on Remote Network	Click on this check box to enable this function. By default, the function is activated and enabled.

Using the Security Settings Dialog Box

Click on the **Security...** command button in the second dialog box of the **Dial-Up Configuration Wizard** to configure dial-up security. When this command button is pressed, the **Security Settings** dialog box displays. Figure 13–1 shows this dialog box.

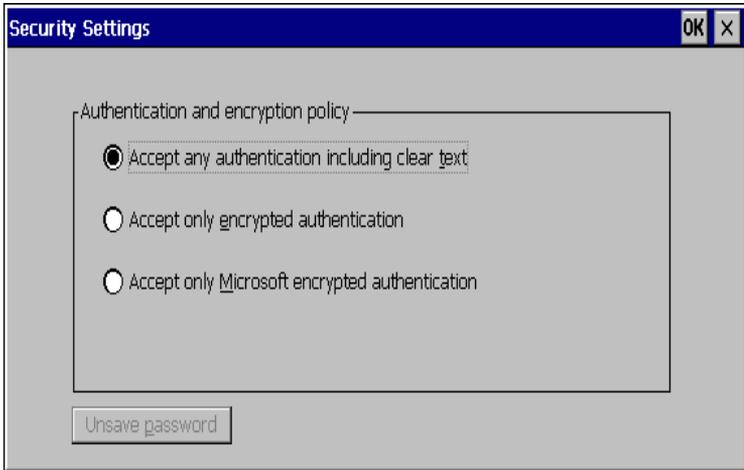


Figure 13–1: Security Settings Dialog Box

The following table discusses the functions in this dialog box.

Table 13–2: Security Settings Dialog Box

Function	Description
Accept Any Authentication Including Clear Text (default)	Click on this radio button to set your terminal to accept any authentication including clear text. Authentication determines whether a request originated from the correct user or application.
Accept Only Encrypted Authentication	Click on this radio button to set your terminal to accept only encrypted authentication. Encryption is a method of “hiding” data that is transmitted across a network.
Accept Only Microsoft Encrypted Authentication	Click on this radio button to set your terminal to accept only Microsoft encrypted authentication.

Dial-Up Scripts

Dial-up RAS (Remote Access Services) scripts are enabled from the **Dial-Up Configuration Wizard** (see “Dial-Up Connections”). RAS facilitates PPP communications between the terminal (based on Windows CE) and other non-Windows operating systems.

Using the Dial-Up Scripts Dialog Boxes

Dial-up scripts dialog boxes are accessed by checking the **Enable RAS script** box and pressing the **Script** command button in the second panel of the **Dial-Up Configuration Wizard**. These dialog boxes automate actions that otherwise would be performed in text mode after dialing.

The **Script Name** dialog box (Figure 14–1) enables you to create a script under a new name, edit an existing script, or delete an existing script. Press the **New** button to open the **New Script Name** dialog box (Figure 14–2). Type the script name and press **OK**. This opens the **RAS Script** dialog box. You may also open the **RAS Script** dialog box to edit an existing script by selecting the script and pressing **Edit**. Table 14–1 describes the **RAS Script** dialog box. To delete as script, select it and press **Delete**.

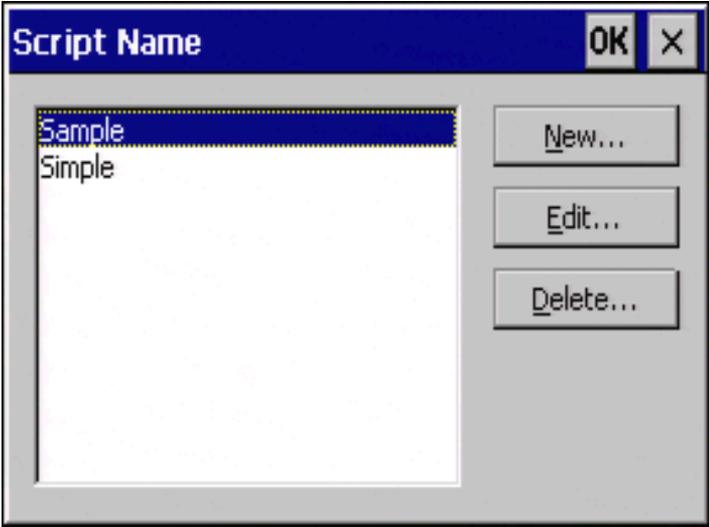


Figure 14–1: Script Name Dialog Box

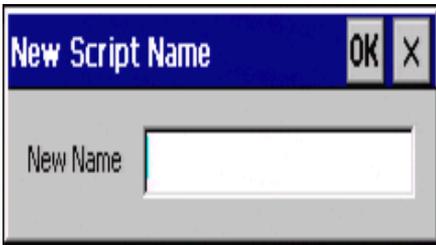


Figure 14–2: New Script Name Dialog Box

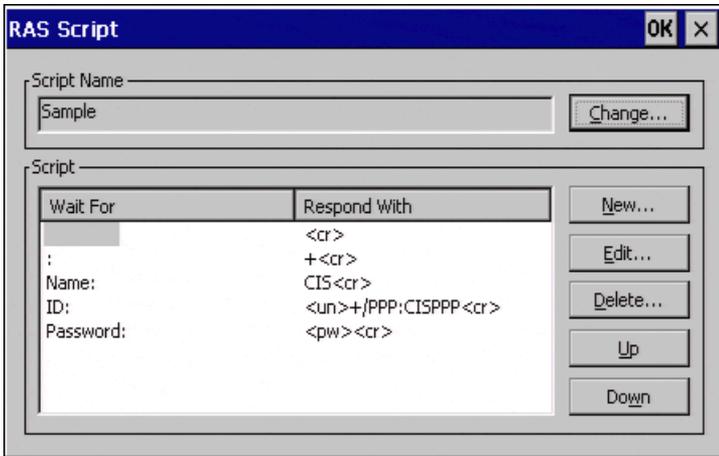


Figure 14–3: RAS Script Dialog Box

Table 14–1: RAS Script Dialog Box

Function	Description
Script Name text box and Change button	The text box displays the name of the currently selected script. You may change the selection by clicking on the Change button to open the Script Name dialog box. Select another script and click OK .
Script area:	
Text Box	Lists the script input/output strings: <ul style="list-style-type: none"> ■ Wait For - Displays strings received from the host. ■ Respond With - Displays what the terminal sends in response to the Wait For string.

Table 14–1: RAS Script Dialog Box (Continued)

Function	Description
New and Edit buttons	New and Edit open the Edit Script Line dialog box (see Figure 14–1). Use this dialog box to create a new line in the script or edit an existing (selected) line. The specific scripts are unique to each target system.
Up , Down , Delete buttons	Use Up and Down to move a selected line in the script up or down in the list. To delete a line, select it and press Delete . You will be prompted to confirm deletion of the line.

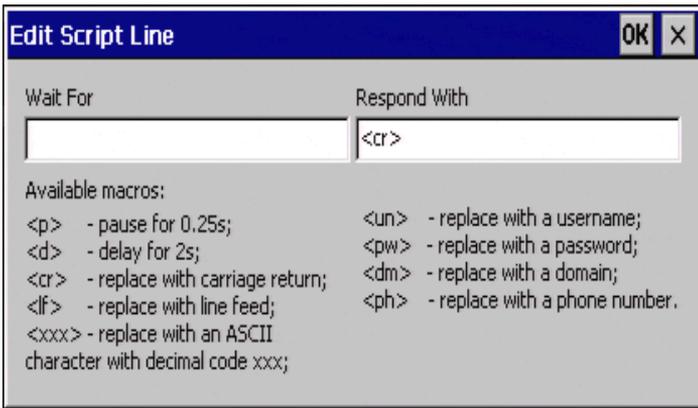


Figure 14–1: Edit Script Line Dialog Box

RDP Connections

Use the **WTS Connection Wizard** to configure an RDP connection. RDP connects to a server running Microsoft WTS (Windows Terminal Server).

Using the WTS Connection Wizard

When the **New Connection** dialog box is open (see “Creating New Connections”):

1. Use the drop-down scroll list to select **Microsoft Remote Desktop Client**.
2. Click on **OK**.

Following are the four dialog boxes that display in succession during the configuration process. When you are finished with the wizard, the new connection will be added to the **Connection Name** list in the **Connection Manager**. Figure 15–1 shows the first dialog box of this wizard.

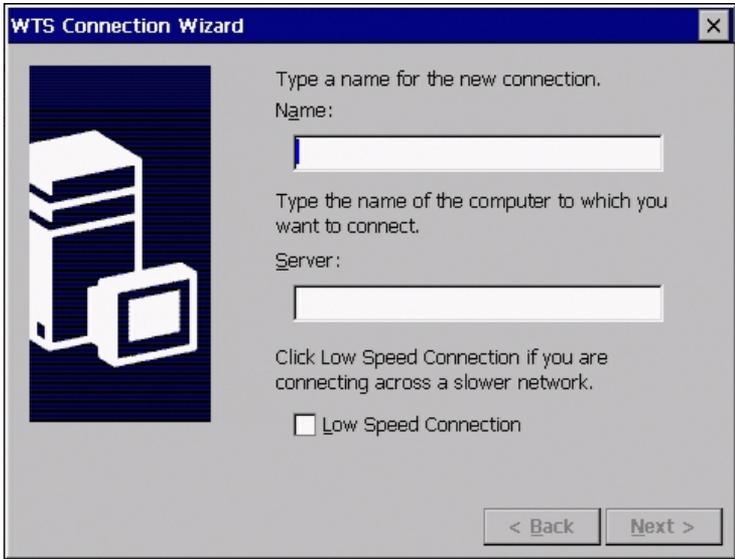


Figure 15–1: WTS Connection Wizard 1

To use the first dialog box:

1. Enter a name for your dial-up connection in **Name**.
2. Enter the name or IP address of the server in **Server**.
3. Check the **Low Speed Connection** check box if appropriate.
4. Click on **Next**.



Figure 15–2: WTS Connection Wizard 2

To use the second dialog box:

1. Check the **Automatic Logon** check box if appropriate.
2. Enter a user name, password, and a domain to complete the information.
3. Click on **Next**.

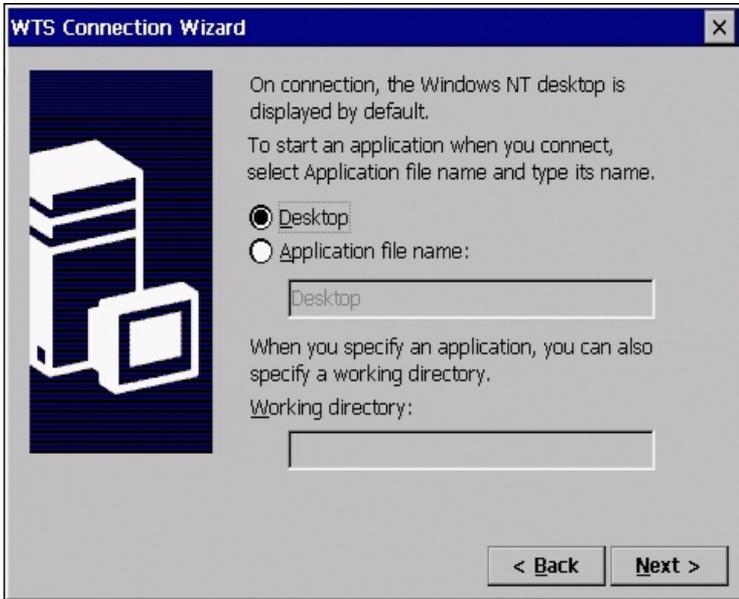


Figure 15–3: WTS Connection Wizard 3

To use the third dialog box in the wizard:

1. Click on either the **Desktop** or **Application File Name** radio buttons.
2. If you clicked on **Desktop**, click on **Next**.
3. If you clicked on **Application File Name**:
 - a. Enter the name of the application.
 - b. Enter the name of the directory where it resides.
 - c. Click on **Next**.



Figure 15–4: WTS Connection Wizard 4

To use the fourth dialog box, click on **Finish**. The **Connection Manager** displays, listing your new RDP connection.

Terminal Emulation Connections



The portions of this chapter that refer to serial, Com1 or Com2, or parallel apply only to T1010 terminal models.

Use the **TE Client Connection Wizard** to set up a terminal emulation connection. Terminal emulation connections use Telnet to connect to servers.

Using the TE Client Connection Wizard

When the **New Connection** dialog box is open (see “Creating New Connections”):

1. Use the drop-down scroll list to select **Terminal Emulation**.
2. Click on **OK**.

Following are the three dialog boxes of this wizard. When you are finished configuring a connection, the new connection will be added to the **Connection Name** list in the **Connection Manager**. Figure 16–1 shows the first dialog box of this wizard.



Figure 16–1: TE Client Connection Wizard - Connection Information

To use the **Connection Information** dialog box:

1. Enter the connection name in **Connection Name** text box.
2. Select the emulation type in the **Emulation** scroll list.
3. Select the terminal type from the **VT TerminalID** scroll list. Table 16–1 describes the available functions in the **VT TerminalID** scroll list.
4. Click on **Next** to continue to the **Host Information** dialog box (Figure 16–2).



Depending on the emulation chosen, the appearance of the **TE Client Connection Wizard -Connection Information** dialog box changes, to provide for selecting appropriate parameters for that emulation. These are described in Table 16–1.

Table 16–1: Terminal Emulation and Terminal Type

Terminal Emulation	Terminal Type
Select Emulation:	Then select from VT TerminalID:
VT52, VT100, VT400 7-Bit (default), or VT400 8-Bit	vt100, vt101, vt102, vt125, vt220, vt240, vt320, vt340, vt420 (default), vt131, or vt132
Select Emulation:	The function is deactivated.
ANSI BBS, SCO Console, WY50, WY50+, TVI910, TVI920, TVI925, TVI955, ADDS A2, HZ1500, or WY60	
Select Emulation:	Then select from IBM3151 Model:
IBM3151	11 (default), 31
Select Emulation:	Then select from IBM 3270 Model:
IBM3270	3278-2, 3278-3, 3278-4, 3278-5, 3278-2-E (default), 3278-3-E, 3278-4-E, 3278-5-E, 3279-2, 3279-3, 3279-4, 3279-5, or 3287-1 Check the Right Ctrl Acts as Enter Key or the Left Ctrl Acts as Reset Key check boxes if you want these functions enabled for 3270 emulation.

Table 16–1: Terminal Emulation and Terminal Type (Continued)

Terminal Emulation	Terminal Type
Select Emulation:	Select from IBM 5250 Model:
IBM5250	5291-1, 5292-2, 5251-11, 3179-2 (default), 3196-A1, 3180-2, 3477-FC, 3477-FG, 3486-BA, 3487-HA, 3487-HC, or 3812-1 Check the IBM5250 Monochrome, Left Ctrl Acts as Reset Key, Right Ctrl Acts as Enter Key, or the Carriage Return acts as Enter Key check boxes if you want these functions enabled for 5250 emulation.
Select Emulation:	Then select from HP Model: 2392A, 70092 (default), 2622A
HP70092	
International Settings	Opens the International Settings dialog box (see Figure 16–1). The particular controls and selections that appear in this dialog box depends on the terminal emulation selected. Make keyboard, character set, and other selections in this dialog box as applicable.

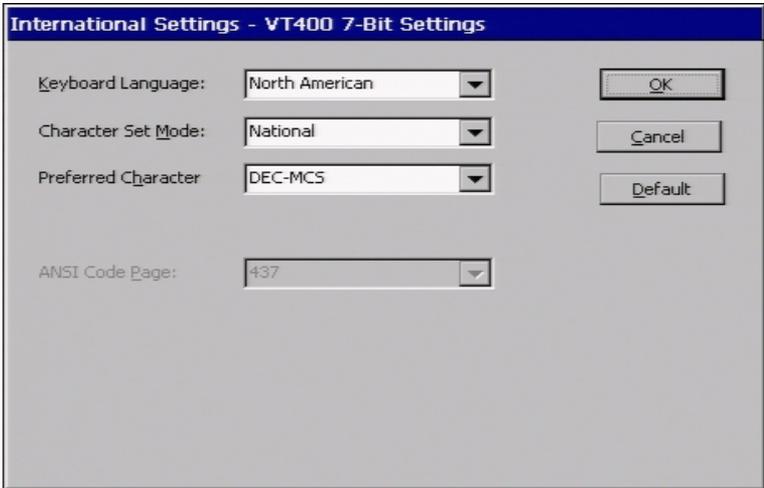


Figure 16–1: International Settings Dialog Box

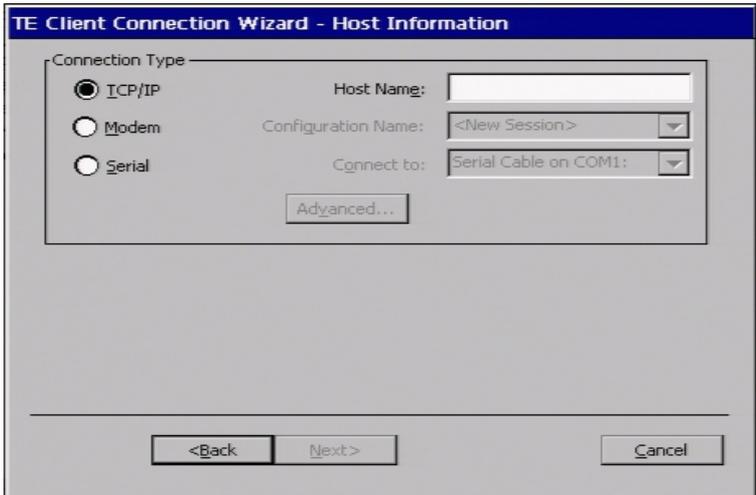


Figure 16–2: TE Client Connection Wizard - Host Information

To use the **Host Information** dialog box:

1. Click on **TCP/IP, Modem, or Serial**:
2. If you clicked on **TCP/IP**:
 - a. Enter the host name or IP address in **Host Name**.
 - b. Use the **Advanced** command button if appropriate. (See “Using the TCP/IP Telnet Configuration Dialog Box” for information about the **Advanced** command button).
 - c. Click on **Next**. The **Automate Login Process** dialog box displays. See Figure 16–3 and proceed with these instructions.
3. If you clicked on **Modem**:
 - a. Select a configuration from **Configuration Name**.
 - b. Use the **Configure** command button if appropriate. (See “Using the Modem Settings Dialog Box” for information about the **Configure** command button).
 - c. Click on **Next**. The **Automate Login Process** dialog box displays. See Figure 16–3 and proceed with these instructions.
4. If you clicked on **Serial**:
 - a. Make a selection from **Connect To**.
 - b. Use the **Configure** command button if appropriate. (See “Using the Configuration of Serial Cable on Com1 (or Com2) Dialog Box” for information about the **Configure** command button).
 - c. Click on **Next**. The **Automate Login Process** dialog box displays. See Figure 16–3 and proceed with these instructions.

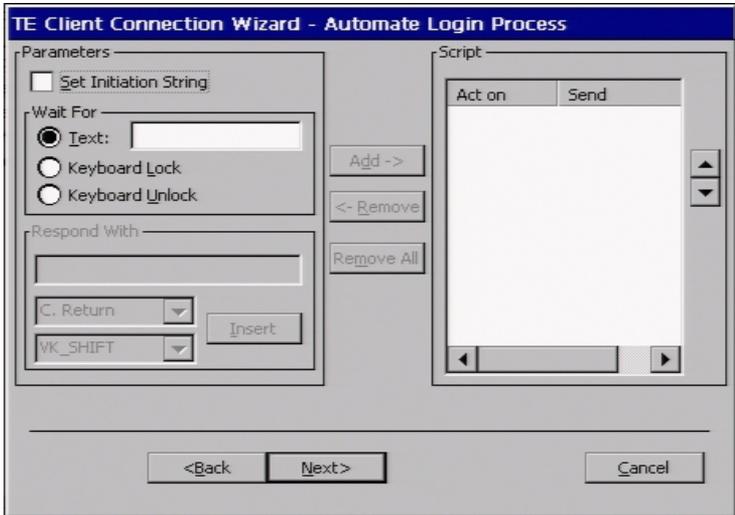


Figure 16–3: TE Client Connection Wizard - Automate Login Process

To use the **Automate Login Process** dialog box:

1. Fill in the **Parameters** group box as appropriate using the following functions:
 - a. **Set Initiation String** - Set the scripts initiation string.
 - b. **Wait For** - Act on an selected event in the **Act On** list such as login.
 - c. **Respond With** - The scroll list receives input from the **Insert** command button and the **Insert** command button inserts an item from the scroll list.
2. Use the **Add** and **Remove** command buttons to add or remove lines from the **Script** scroll list.
3. Use the **Remove All** command button to remove all the scripts from the **Script** scroll list.
4. Select a script from the **Script** scroll list as appropriate.

Click on **Next** to open the **Printer Port Settings** dialog box.

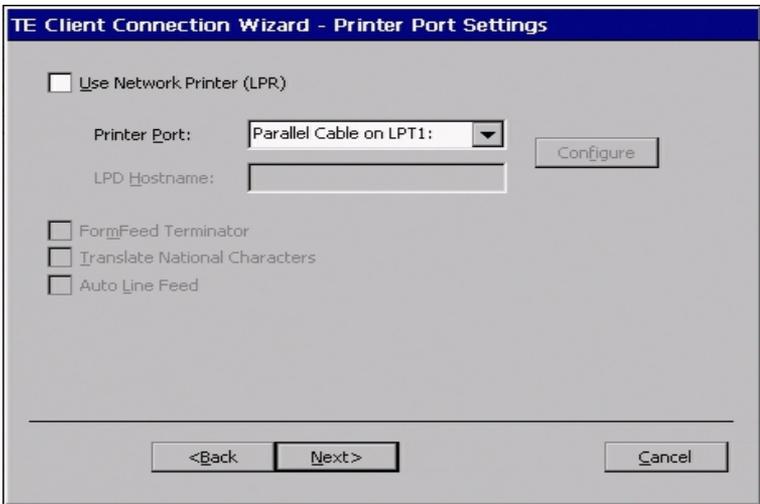


Figure 16–4: TE Client Connection Wizard - Printer Port Settings

To use the **Printer Port Settings** dialog box:

1. Check the **Use Network Printer** box if you want to print from a printer in your network. Checking this box enables **LPD Hostname** text box and the **FormFeed Terminator**, **Translate National Characters**, and **Auto Line Feed** check boxes. Enter the IP address or DNS name of the LPD host, and make check box selections appropriate to the application and printer used.

2. Select a printer port from the **Printer Port** list:

Parallel Cable on LPT1: (default)

Serial Cable on COM1:

Serial Cable on COM2:

Selecting either of the serial printer ports enables the **Configure** command button, which opens the **Configuration of COM1 (or COM2)** dialog box. For details about the available selections in this dialog box see “Using the Configuration of Serial Cable on Com1 (or Com2) Dialog Box” .

3. Click on **Next**. This will open the **GUI Overrides** dialog box.

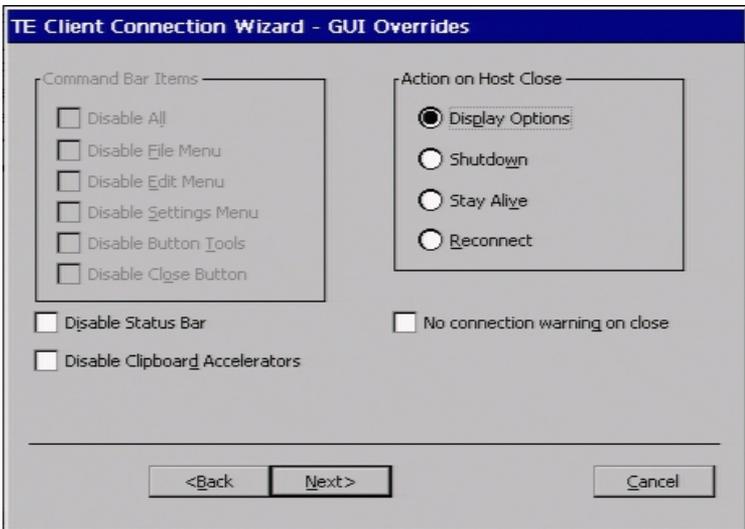


Figure 16–5: TE Client Connection Wizard - GUI Overrides

To use the **GUI Overrides** dialog box:

1. Select the appropriate functions from **Command Bar Items** list box. Command bar items are the menus on the top bar of the terminal emulation user interface.

TCP/IP Telnet Configuration



The information in this chapter applies to the terminal emulation connection only.

Using the TCP/IP Telnet Configuration Dialog Box

The **Advanced** command button on the **TE Client Connection Wizard - Host Information** dialog box invokes the **TCP/IP Telnet Configuration** dialog box. Figure 17–1 shows this dialog box.

The screenshot shows the 'TCP/IP Telnet Configuration' dialog box. The title bar includes 'OK' and 'X' buttons. The dialog is divided into several sections:

- Host Port Number:** Input field containing '23'.
- Local Port Number:** Input field containing '0'.
- Telnet Name:** Input field containing 'vt420'.
- Suppress:** A group box containing:
 - Echo
 - 3270 Regime
 - TN3270E with a button labeled '3270 Options'
 - TN5250E with a button labeled '5250 Options'
- Force Negotiation:** A group box containing:
 - Binary: No (dropdown menu)
 - EQR: No (dropdown menu)
- Break Settings:** A group box containing:
 - TM with Break
 - CR with Break

Figure 17–1: TCP/IP Telnet Configuration Dialog Box

The following table discusses the functions of a Telnet connection.

Table 17–1: TCP/IP Telnet Configuration

Function	Description
Host Port Number	Enter the Telnet host port number. The default is 23 .
Local Port Number	Implemented to allow connection to Misys hosts. This allows the host to communicate back to the emulator on a different port than the emulator uses to talk to the host. The default is 0 .
Telnet Name	Enter the Telnet virtual terminal name. The default depends on emulation (VT400, 7-bit, default is vt420).
Suppress	Use the functions of this group box as needed (controls in this area become active depending on the type of emulation selected): <ul style="list-style-type: none"> ■ Echo (default) ■ 3270 Regime ■ TN3270E ■ TN5250E
Force Negotiation	Use the Binary and EOR drop-down scroll lists to configure negotiation parameters. The default for Binary is No and the default for EOR is No .
Break Settings	Use the TM with Break and CR with Break check boxes to configure break settings.

Table 17-1: TCP/IP Telnet Configuration (*Continued*)

Function	Description
	<p>The following image shows the TN3270 Options dialog box, displayed when the 3270 Options command button is pressed.</p>
	
	<p>Use this dialog box to set up 3270 options:</p>
	<p>3270 LU Device Name - This group box is used to identify the LU (Logical Unit).</p>
	<p>TN3270E Options - This group box is used to set TN3270E options. The options are:</p>
	<p>Bind - BIND (Berkeley Internet Name Domain) DNS server</p>
	<p>Responses - System response</p>
	<p>SysReq - System requests</p>
	<p> Associate, LU1 Printer, and LU3 Printer are deactivated.</p>

Table 17–1: TCP/IP Telnet Configuration (Continued)

Function	Description
	<p>The following dialog box shows the TN5250 Options dialog box, displayed when the 5250 Options command button is pressed.</p>  <p>Use this dialog box to set up 5250 options. The options are:</p> <ul style="list-style-type: none"> Device Name - Name of the device assigned to a Telnet session. User, Password, Library, and Menu - Initial entries on a standard startup screen. Program - Name of the initial program. <p> All entries are 10 characters or less.</p>

Using the Modem Settings Dialog Box

The **Configure** command button invokes the **Modem Settings** dialog box. Figure 17–1 shows this dialog box.

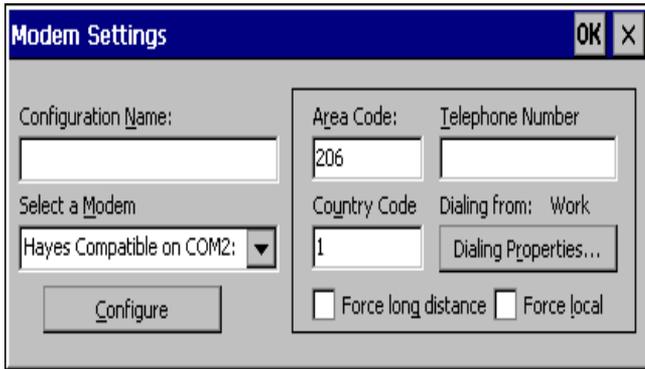


Figure 17–1: Modem Settings Dialog Box

The following table discusses the available modem settings.

Table 17–2: Modem Settings Dialog Box

Function	Description
Configuration Name	Enter the name of your configuration.
Select a Modem	Select a modem from the drop-down scroll list.
Configure	Opens the Device Properties dialog box. See “Using the Device Properties Dialog Box” for information about this function.
Area Code	Enter the area code in this text box.
Telephone Number	Enter the telephone number in this text box.
Country Code	Enter the country code in this text box.
Dialing From:	This field automatically lists where you are calling from.

Table 17–2: Modem Settings Dialog Box (Continued)

Function	Description
Dialing Properties	See “Dial-Up Dialing Properties and Configuration” for information about this function.
Force Long Distance	Check this box to force long distance calling.
Force Local	Check this box to force local calling.

Using the Configuration of Serial Cable on Com1 (or Com2) Dialog Box

This dialog box opens when the **Configure** command button is pressed for a serial connection type selection. Figure 17–1 shows this dialog box.

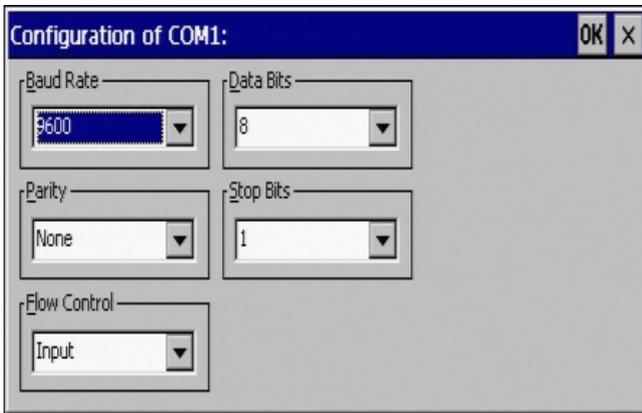


Figure 17–1: Configuration of Serial Cable on Com1 (or Com2) Dialog Box

The following table discusses this dialog box.

Table 17-3: Configuration of Serial Cable on Com1 (or Com2) Dialog Box

Function	Description
Configuration of a Serial Cable on Com1 or Com2	<p>Use these functions to configure a serial cable:</p> <ul style="list-style-type: none"> ■ Baud Rate ■ Parity ■ Flow Control ■ Data Bits ■ Stop Bits ■ Transmit Limit <p>Each is presented as a drop-down scroll list. Click on the upper-right down arrow to display the list and select a value. The defaults are listed (consecutive to the Function list to the left) as follows:</p> <ul style="list-style-type: none"> ■ 9600 ■ None ■ Input ■ 8 ■ 1 ■ Unlimited
Local Echo	<p>Check this check box if you want transmitted characters to appear on the dialup terminal window. Not needed if the destination machine has remote echo turned on.</p>

Internet Explorer Connections



Internet Explorer requires that a minimum of 16 MB of flash memory and 32 MB of RAM is installed on the terminal. The installed memory is listed on the **Terminal Properties** window **SysInfo** and **General** tabs.

When the **New Connection** dialog box is open (see “Creating New Connections”):

1. Use the drop-down scroll list to select **Internet Explorer**.
2. Click on **OK**.

This opens the **Internet Explorer Setup** dialog box (Figure 18–1).

3. Type a **Title** for the connection.
4. Enter the URLs of your choice for the **Start** and **Search** pages.
5. If this server is to be included in failover, check the **Allow to ping Start Site** check box.



To help decide whether you should check this box, refer to the chapter on “Failover” in this section.

6. Click on **OK**.

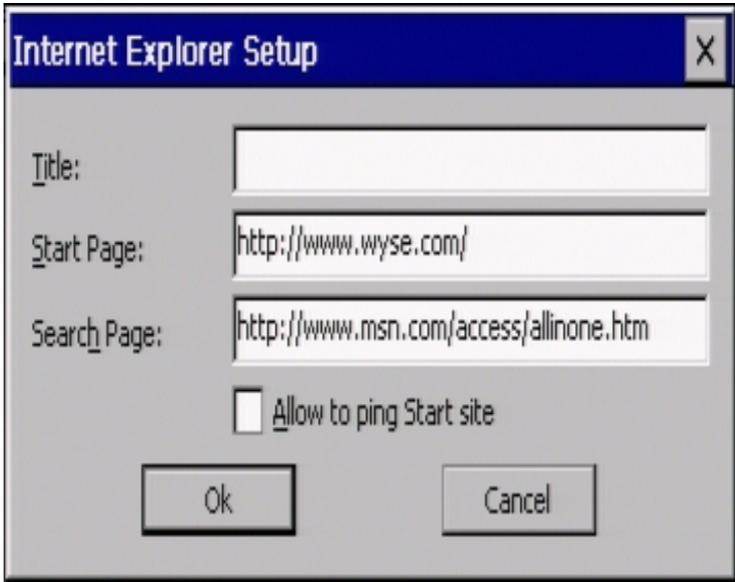


Figure 18–1: Internet Explorer Setup Dialog Box



If the connection is to an NFuse server that provides ICA links within a Web page to allow ICA sessions to be launched from within a browser window, refer to “NFuse Server Configuration Requirements” for information concerning limitations on the NFuse server application setup for use with thin client terminals.

Editing ICA Connections

The Connection Manager lets you edit individual ICA connection parameters. It is done through the Edit Connection Details dialog box. The following figure shows this dialog box.

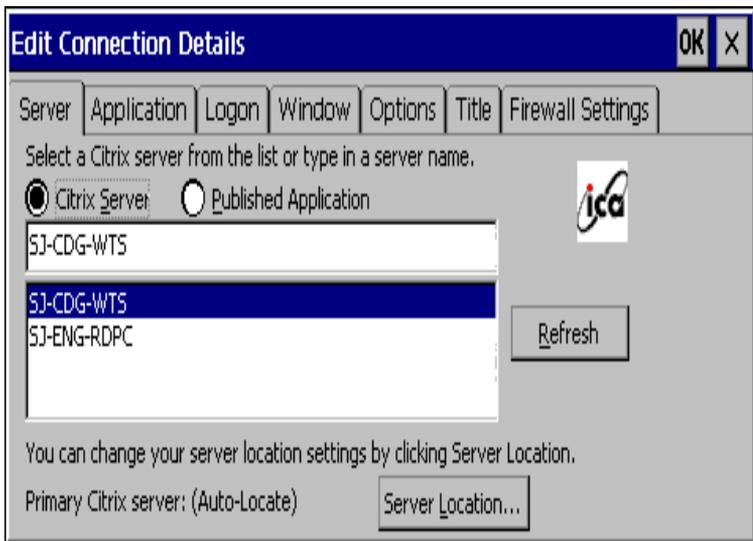


Figure 19–1: Edit Connection Details Dialog Box

Using the Edit Connection Details Dialog Box

The Edit **Connection Properties** dialog box consists of seven properties sheets. Use any or all of these properties sheets to edit connection parameters. To invoke the dialog box:

1. Click on the **Configure** tab in the **Connection Manager** dialog box.
2. Click to select an ICA connection from the Connections Name list.
3. Click on the **Edit** command button on the **Configure** properties sheet.

Using the Server Properties Sheet

The **Server** properties sheet is displayed by default for the dialog box. Table 19–1 describes the functions of the **Server** properties sheet.

Table 19–1: Server Properties Sheet

Function	Description
Select a Citrix Server From the List or Type in a server Name	<p>Click on:</p> <ul style="list-style-type: none"> ■ Citrix Server Enable this radio button to connect to a Citrix server. ■ Published Application Enable this radio button to connect directly to an application.
Server Location	<p>Click on this command button to invoke the Server Location Dialog Box.</p> <p>Server Group Select from a scroll list:</p> <ul style="list-style-type: none"> ■ Primary ■ Backup 1 ■ Backup 2 <p>Primary is the default.</p> <p>Add Click on this command button to add a server to the list.</p> <p>Delete Click on this command button to delete a server from the list:</p> <ol style="list-style-type: none"> 1. Select a server from the list. 2. Click on the Delete command button. <p>Move Up Click on this command button to move a server up the list:</p> <ol style="list-style-type: none"> 1. Select a server to move up. 2. Click on the Move Up command button.

Table 19–1: Server Properties Sheet (Continued)

Function	Description
	<p>Move Down Click on this command button to move a server down the list:</p> <ol style="list-style-type: none"><li data-bbox="501 418 849 440">1. Select a server to move down.<li data-bbox="501 456 908 505">2. Click on the Move Down command button.
	<p>Address Lists the servers.</p>
	<p>Default List Lists the default servers.</p>
	<p>Network Protocol Lists the network protocol used by the server.</p>

Using the Application Properties Sheet

The **Application** properties sheet is shown in Figure 19–1.

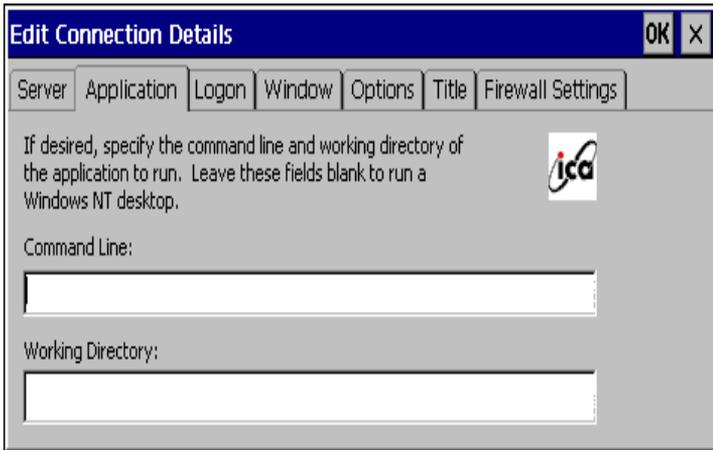


Figure 19–1: Application Properties Sheet

Invoke the properties sheet by clicking on the **Application** tab. Table 19–2 describes the functions of the properties sheet.

Table 19–2: Application Properties Sheet

Function	Description
Command Line	Enter the command line used to invoke the application.
Working Directory	Enter the directory where the application is stored.

Using the Logon Properties Sheet

The **Logon** properties sheet is shown in Figure 19–1.

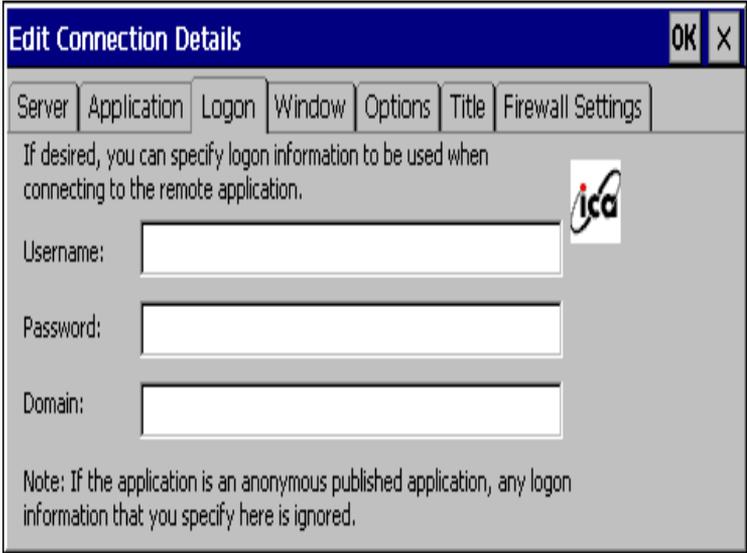


Figure 19–1: Logon Properties Sheet

Invoke the properties sheet by clicking on the **Logon** tab. Table 19–3 describes the functions of the **Logon** properties sheet.

Table 19–3: Logon Properties Sheet

Function	Description
Username	Enter the user name used to log into the server.
Password	Enter the password used to log into the server.
Domain	Enter the domain name of the server.

Using the Window Properties Sheet

The **Window** properties sheet is shown in the following figure.



Figure 19–1: Window Properties Sheet

Invoke the properties sheet by clicking on the **Window** tab. Table 19–4 describes the functions of the **Window** properties sheet.

Table 19–4: Window Properties Sheet

Function	Description
Window Colors	<p>Two or three radio buttons are displayed. If the terminal Color Palette (using the Display properties sheet in the Terminal Properties dialog box) is 256 colors, radio buttons for 16 or 256 colors are displayed. If 65536 is selected in the Color Palette, after restarting the terminal an additional radio button, Thousands, is displayed.</p> <p> The ICA server must be capable of supporting 16-bit color for the Thousands selection to work. If not, the terminal will display only 256 (8-bit) colors when Thousands is selected.</p> <p>When using a PPP connection, 16 color mode may provide faster performance. If the window options specified exceed the capabilities of the client hardware, the maximum size and color depth supported by the CE operating system are used.</p>

Using the Options Properties Sheet

The **Options** properties sheet is shown in Figure 19–1.

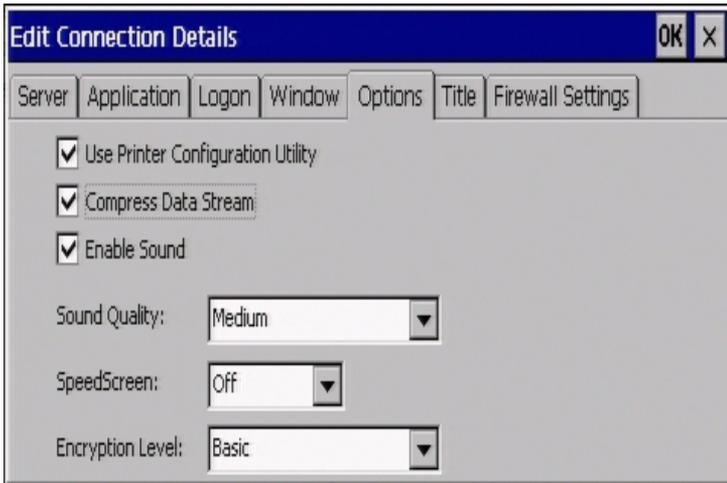


Figure 19–1: Options Properties Sheet

Invoke the properties sheet by clicking on the **Options** tab. Table 19–5 describes the functions of the **Options** properties sheet.

Table 19–5: Options Properties Sheet

Function	Description
Use Printer Configuration Utility	Check this box (default) to allow creation of a new printer in the ICA Client Printer dialog box on the ICA server. Uncheck to use Windows to add a printer.
Compress Data Stream	Check this check box to enable compressed data streaming. By default the box is checked.
Enable Sound	Check this check box to enable sound. By default the box is checked.

Table 19–5: Options Properties Sheet (Continued)

Function	Description
Sound Quality	Select from: <ul style="list-style-type: none">■ High■ Medium (default)■ Low
SpeedScreen	Drop-down list box. Select from: <ul style="list-style-type: none">■ Off (default)■ On■ Auto <p>SpeedScreen is a combination of technologies implemented in ICA that decreases bandwidth consumption and total packets transmitted, resulting in reduced latency and consistent performance regardless of the network connection. SpeedScreen is not available when connecting to MetaFrame for UNIX 1.0 and 1.1 servers.</p>
Encryption Level	Select from: <ul style="list-style-type: none">■ Basic (8 bit) (default)■ 40 (40 bit)■ 56 (56)■ 128 (128)■ 128-bit Logon

Using the Title Properties Sheet

The **Title** properties sheet is shown in Figure 19–1.

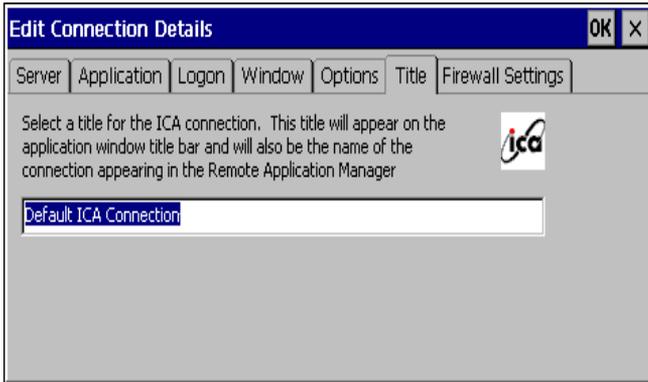


Figure 19–1: Title Properties Sheet

This properties sheet contains only one function. Enter the title of your ICA connection in the text box on the sheet.

Using the Firewall Settings Properties Sheet

The **Firewall Settings** properties sheet is shown in Figure 19–2.

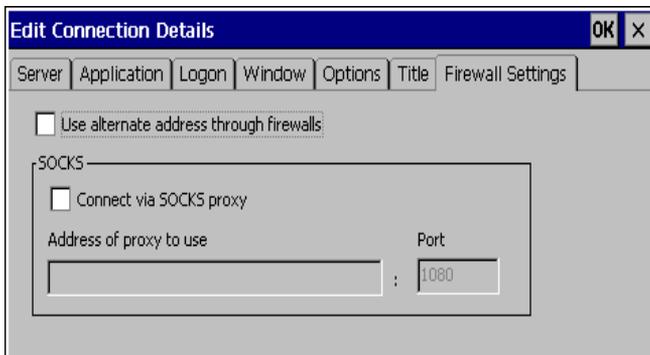


Figure 19–2: Firewall Settings Properties Sheet

Invoke this properties sheet by clicking on the **Firewall Settings** tab. Table 19–6 describes the functions of the properties sheet.

Table 19–6: Firewall Settings Properties Sheet

Function	Description
Use Alternate Address Through Firewalls	Click on this check box to enable the function. By default the box is unchecked.
SOCKS	<p>SOCKS (Socket Secure) is networking proxy protocol. It enables hosts on one side of a SOCKS server to gain access to hosts on the other side of the SOCKS server. The SOCKS server authenticates and authorizes the requests, establishes a proxy connection, and relays data.</p> <p>Connect Via SOCKS Proxy</p> <p>Click on this check box to enable connection to a SOCKS proxy server. By default the check box is unchecked.</p> <p>Address of Proxy to Use</p> <p>Enter in this text box the IP address of the SOCKS proxy server. Activate this box by clicking on Connect Via SOCKS Proxy. By default this box is deactivated.</p> <p>Port</p> <p>Enter the port number to connect to. Activate this box by clicking on Connect Via SOCKS Proxy. By default this box is deactivated.</p>

Editing RDP, Dial-Up, and Terminal Emulation Connections

Dial-Up and Terminal Emulation Connections

Edit dial-up and terminal emulation connections through the **Connection Manager**:

1. Click on the **Configure** tab.
2. Click to select a connection from the **Connection Name** list.
3. Click on the **Edit** command button.

To edit a dial-up connection you invoke the **Dial-Up Configuration Wizard**. See “Dial-Up Connections” for detailed information about using this wizard. To edit terminal emulation you invoke the **TE Client Connection Properties** dialog box. See “Terminal Emulation Connections” for detailed information.

RDP Connections

The **Connection Manager** lets you edit individual RDP connection parameters. It is done through the **Edit Connection** dialog box. The following figure shows the **Edit Connection** dialog box.

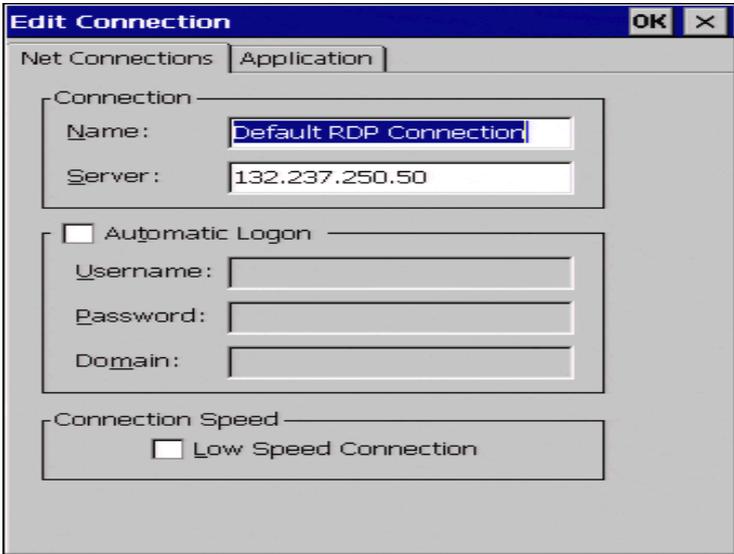


Figure 20–1: Edit Connection Dialog Box

Using the Edit Connection Dialog Box

The **Edit Connection** dialog box includes two properties sheets. Depending on your connections configuration, you use one of these properties sheets to edit connection parameters. To invoke the dialog box:

1. Click on the **Configure tab** in the **Connection Manager** dialog box
2. Click on an RDP connection in the Connections Name list.
3. Click on the **Edit** command button on the **Configure** properties sheet.

Using the Net Connections Properties Sheet

The **Net Connections** properties sheet is displayed by default for the **Edit Connection** dialog box. Use this properties sheet to reconfigure the network portion of the connection.

Table 20–1 describes the functions of the **Net Connections** properties sheet.

Table 20–1: Net Connections Properties Sheet

Function	Description
Connection	Select a connection from the Connection Name list in the Terminal Connection Manager . Use the following functions to change the connection's network parameters: Name Enter the name of the connection in this field. When OK is selected, your changes will be saved and Name will replace what was selected. Server Enter the address of the server in this field.
Automatic Logon	Click on this check box to enable automatic logon for your terminal. Enabling this function enables the Username , Password , and Domain fields: Username Enter your user name. Password Enter your password. Domain Enter your domain.
Connection Speed	Low Speed Connection Click on this to enable low-speed connection. This function is used when connecting with a modem.

Using the Application Properties Sheet

Invoke the **Application** properties sheet by clicking on the **Application** tab in the **Edit Connection** dialog box. Use this properties sheet to reconfigure the applications-related portion of the connection. Figure 20–1 shows this sheet.

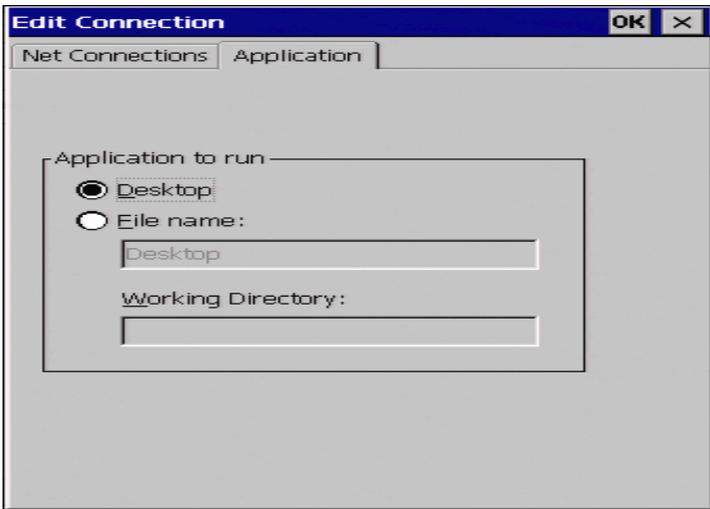


Figure 20–1: Application Properties Sheet

The following table describes the functions of the **Application** properties sheet.

Table 20–2: Application Properties Sheet

Function	Description
Application to Run	Select a connection from the Connection Name list in the Terminal Connection Manager . Use the following functions to specify an application to run when the connection is made. Desktop Click on this radio button to open the desktop when the connection is made. When selected, the File Name and Working Directory text boxes are disabled. File Name Click on this radio button and in the associated text box enter the full path name of an application that will run. Working Directory Enter the path to the working directory that the application will use.  The terminal will not create a new directory if the entered working directory does not exist.



Desktop and **File Name** are mutually exclusive. **File Name** must be selected in order to use the **File Name** and **Working Directory** fields.

Devices Properties

Figures 21–1 and 21-2 show the **Devices** properties sheets.

To open the **Devices** properties sheet:

1. Press **F2** to open the **Terminal Properties** dialog box.
2. Click on the **Devices** tab in the **Terminal Properties** dialog box.

The following paragraphs discuss the **Devices** properties sheets.

Devices Properties Sheet for T1010 Terminals

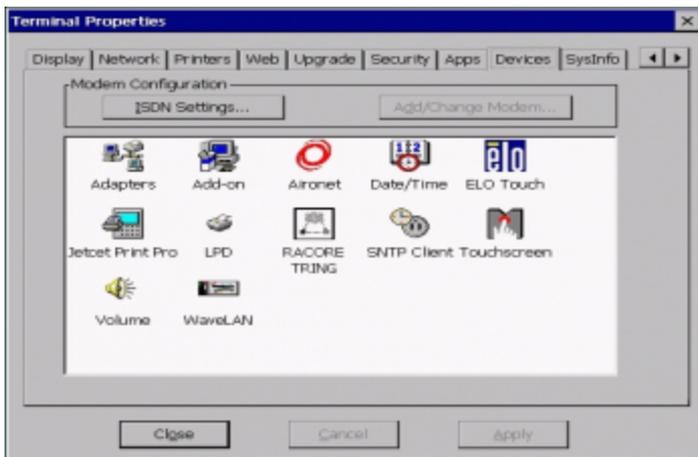


Figure 21–1: Devices Properties Sheet (T1010)

Table 21–1 describes the functions of this properties sheet.

Table 21–1: Devices Properties Sheet (T1010 Models)

Function	Description
ISDN Settings	Click on this command button to invoke the ISDN Settings dialog box. For more detailed information see “PC Card Adapters for Modems” in External Devices. By default this command button is activated.
Add/Change Modem	Click on this command button to invoke the Add or Change Modem dialog box. This command button will only be activated if a PC card modem is inserted in to the terminal's PC card slot. For detailed information see “PC Card Adapters for Modems” in External Devices.
Adapters	Click on this icon to invoke the Adapters Configuration dialog box. For detailed information see “Managing Network Adapters” in External Devices.
Add-on	Click on this icon to invoke the Add-on dialog box. For detailed information see “Add-on” in External Devices.
Aironet	Click on this icon to invoke the Aironet Wireless Lan Adapter Setup dialog box. For detailed information see “Aironet Wireless Land Adapter” in External Devices.
Date/Time	Click on this icon to invoke the Date/Time Properties dialog box. For detailed information see “Date/Time” in External Devices.
ELO Touch	Click on this icon to invoke the ELO Touchscreen dialog box. For detailed information see “Touchscreens” in External Devices.
JETCET PRINT Pro	Click on this icon to invoke the JETCET PRINT Professional dialog box. For detailed information see “JETCET PRINT” in External Devices.
LPD	Click on this icon to invoke the LPD Config dialog box. For detailed information see “Local Printers” in External Devices.

Table 21–1: Devices Properties Sheet (T1010 Models) (Continued)

Function	Description
RACORE-TR	Click on this icon to invoke the RACORE - Token Ring Adapter Settings dialog box. For detailed information see “PC Card Adapters for Token Ring Networks” in External Devices.
SNTP Client	Click on this icon to invoke the SNTP Client dialog box. For detailed information see “SNTP Client” in External Devices.
Touchscreen	Click on this icon to invoke the MicroTouch Touchscreen Properties dialog box. For detailed information see “Touchscreens” in External Devices.
Volume	Click on this icon to invoke the Volume Properties sheet. For detailed information see “Volume Properties Sheet” in External Devices.
WaveLAN	Click on this icon to invoke the WaveLAN/IEEE Settings dialog box. For detailed information see “PC Card Adapters for Wireless Networks” in External Devices.

Devices Properties Sheet for Evo Thin Client T20

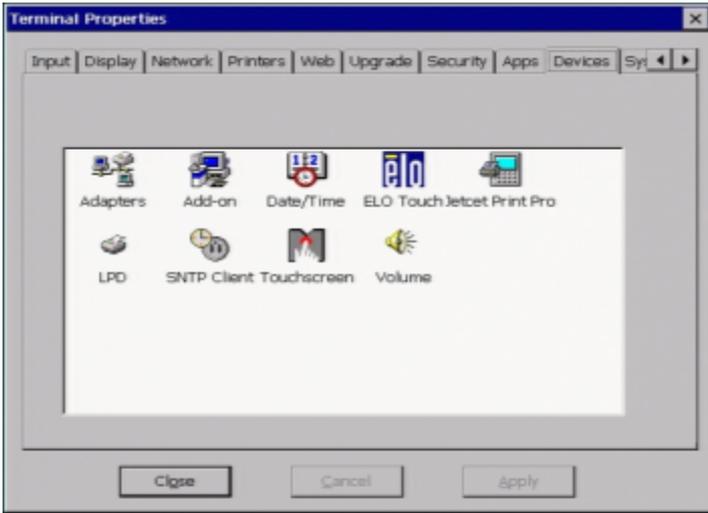


Figure 21–1: Devices Properties Sheet (Evo Thin Client T20 Models)

Table 21–2 describes the functions of this properties sheet.

Table 21–2: Devices Properties Sheet (Evo Thin Client T20 Models)

Function	Description
Adapters	Click on this icon to invoke the Adapters Configuration dialog box. For detailed information see “Managing Network Adapters” in External Devices.
Add-on	Click on this icon to invoke the Add-on dialog box. For detailed information see “Add-on” in External Devices.
Date/Time	Click on this icon to invoke the Date/Time Properties dialog box. For detailed information see “Date/Time” in External Devices.

Table 21–2: Devices Properties Sheet (Evo Thin Client T20 Models)

Function	Description
ELO Touch	<p>Click on this icon to invoke the ELO Touchscreen dialog box. For detailed information see “Touchscreens” in External Devices.</p> <p> Must have digiport attached for <i>Evo Thin Client T20</i> models. Must have digiport attached for Mid-Level MWBTs and Med-Perf IWBTs.</p>
JETCET PRINT Pro	<p>Click on this icon to invoke the JETCET PRINT Professional dialog box. For detailed information see “JETCET PRINT PROFESSIONAL” in External Devices.</p>
LPD	<p>Click on this icon to invoke the LPD Config dialog box. For detailed information see “Local Printers” in External Devices.</p>
SNTP Client	<p>Click on this icon to invoke the SNTP Client dialog box. For detailed information see “SNTP Client” in External Devices.</p>
Touchscreen	<p>Click on this icon to invoke the MicroTouch Touchscreen Properties dialog box. For detailed information see “Touchscreens” in External Devices.</p> <p> Must have digiport attached for LE models.</p>
Volume	<p>Click on this icon to invoke the Volume Properties sheet. For detailed information see “Volume Properties Sheet” in External Devices.</p>

Managing Network Adapters

An adapter is a device that physically connects a terminal to a network. The **Adapters Configuration** dialog box gives you the ability to configure the adapters on a terminal. Figure 22–1 shows the dialog box.

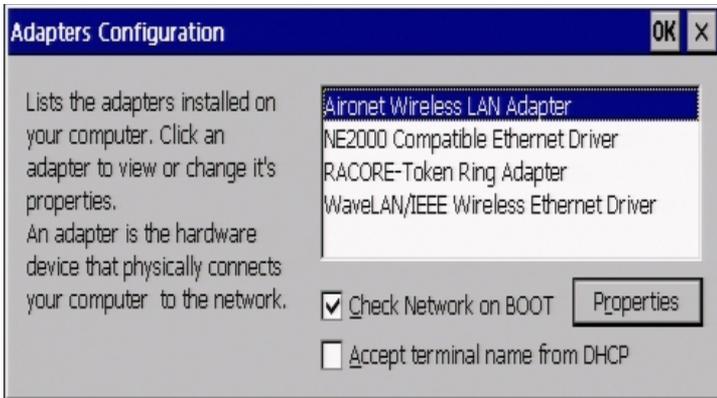


Figure 22–1: Adapters Configuration Dialog Box

Using the Adapters Configuration Dialog Box

To open this dialog box:

1. Press **F2** to invoke the **Terminal Properties** dialog box.
2. Click on the **Devices** tab.
3. Double click on the **Adapters** icon in the icon container on the **Devices** properties sheet.

The following table discusses the functions of the **Adapters Configuration** dialog box.

Table 22–1: Adapters Configuration Dialog Box

Function	Description
Adapters	This is a list of all the available adapters on a terminal.
Check Network on BOOT check box	Check this box (default is checked) if you want the terminal to verify terminal connection to the network upon boot (a message is displayed if the test fails). If you are using an adapter that does not immediately connect to the network upon boot, you may desire to un-check the box so that the message does not appear each time the terminal boots.
Accept Terminal Name from DHCP check box	Some (but not all) DHCP servers can assign a terminal name through DHCP option 12. If your DHCP server has this capability, check this box if you want your terminal to use this assigned name (default is Not Checked).
Properties...	Click on this command button to invoke a properties dialog box. In the properties dialog box are the IP Address properties sheet and the Name Server properties sheet. The following sections discuss these properties sheets.

IP Address Properties Sheet

Use the **IP Address** properties sheet to enter the IP address of the terminal that is using the adapter. Figure 22–1 shows the **IP Address** properties sheet.

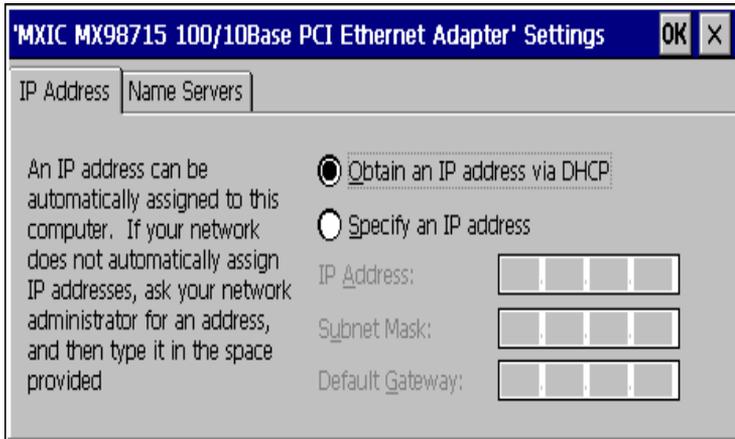


Figure 22–1: IP Address Properties Sheet

The following table discusses the functions of the IP Address Properties Sheet.

Table 22–2: IP Address Properties Sheet

Function	Description
Obtain an IP Address via DHCP	Click on this radio button to let the terminal obtain an IP address automatically using DHCP. This button is selected by default.
Specify an IP Address	Click on this radio button to enter an IP address, subnet, and gateway. By default this function is disabled.

Table 22–2: IP Address Properties Sheet (Continued)

Function	Description
IP Address	Enter an IP address in this field. By default this text box is blank.
Subnet	Enter a subnet in this field. By default this text box is blank.
Default Gateway	Enter a gateway in this field. By default this text box is blank.

Name Server Properties Sheet

Use the Name Server properties sheet to enter the IP addresses of the DNS and WINS servers for the terminal using the adapter. Figure 22–1 shows the Name Server properties sheet.

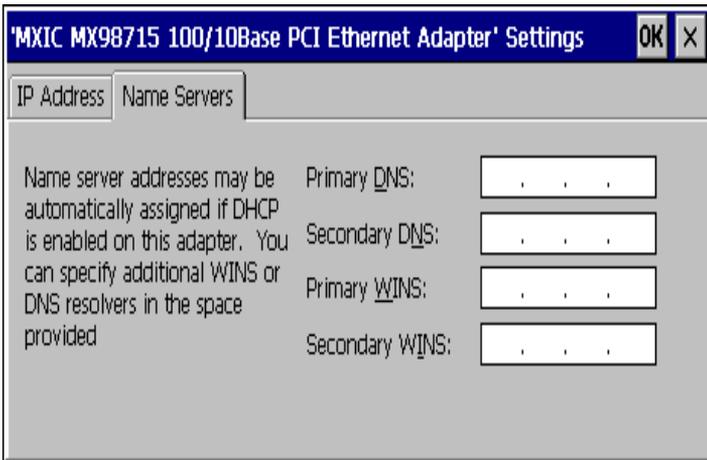


Figure 22–1: Name Servers Properties Sheet

The following table discusses this properties sheet.

Table 22–3: Name Server Properties Sheet

Function	Description
Primary DNS	Enter the IP address of your primary DNS (Domain Name Service) server. By default this text box is blank.
Secondary DNS	Enter the IP address of your secondary DNS server. By default this text box is blank.
Primary WINS	Enter the IP address of your primary WINS (Windows Internet Naming Service) server. By default this text box is blank.
Secondary WINS	Enter the IP address of your secondary WINS server. By default this text box is blank.

The **Add-on** dialog box contains two tab sections that let you remove firmware add-ons and to display information about available flash memory.

To open this dialog box:

1. Press **F2** to open the **Terminal Properties** dialog box.
2. Click on the **Devices** tab.
3. Click on the **Add-on** icon in the icon container on the **Devices** properties sheet.



To install an add-on, refer to the specific add-on documentation.

Add-on Dialog Box Uninstall Tab

Figure 23–1 shows the **Uninstall** tab section of the **Add-on** dialog box. To remove a specific firmware add-on, select it from the list and click **Remove....** Follow the prompts to complete the removal process.

The terminal must be turned off and restarted for changes to take effect.

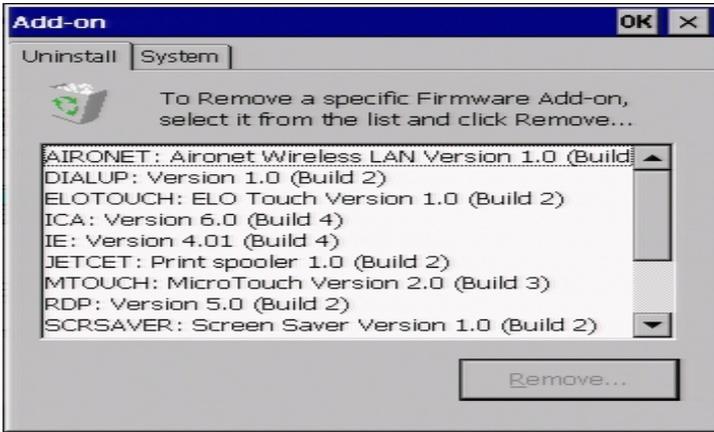


Figure 23–1: Uninstall Dialog Box

Add-on Dialog Box System Tab

Figure 23–2 shows the **System** tab section of the **Add-on** dialog box. It displays information about available flash memory and has no user controls.

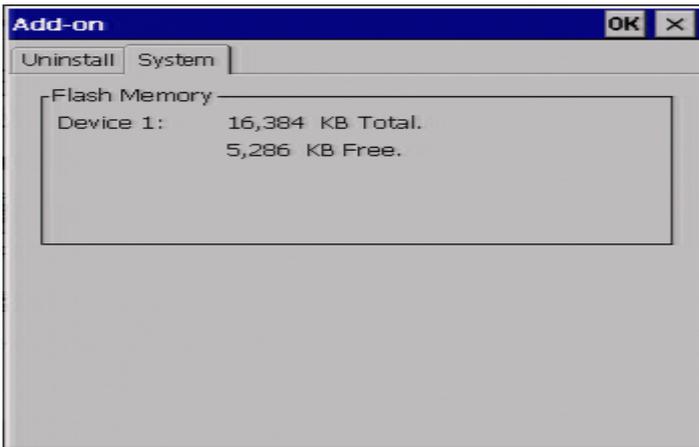


Figure 23–2: System Dialog Box

Aironet Wireless LAN Adapter Setup



This section applies to Compaq T1010 terminals.

The **Aironet** dialog box (Figure 24–1) allows you to configure the Aironet wireless LAN adapter solely by menu selections. To open this dialog box:

1. Press **F2** to open the **Terminal Properties** dialog box.
2. Click on the **Devices** tab.
3. Double-click on the **Aironet** icon in the icon container on the **Devices** properties sheet.

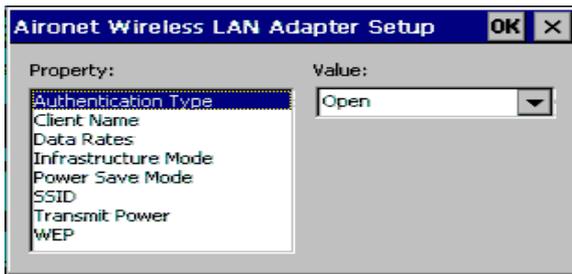


Figure 24–1: Aironet Wireless LAN Adapter Setup Dialog Box

Using the Aironet Dialog Box

To configure the wireless LAN adapter, select a property from the **Property** list and select the desired value from the **Value** drop-down menu. Repeat the process for each listed property.

PC Card Adapters for Modems



This chapter applies to Compaq *Evo* Thin Client T20 terminals.

Your WBT supports PCMCIA adapted modems. This chapter discusses the setup for PCMCIA modems. Figure 25–1 shows the **Add or Change Modem** dialog box. Use this dialog box to set up a PCMCIA modem.

To open the dialog box, click on the **Add/Change Modem...** command button on the **Devices** properties sheet.

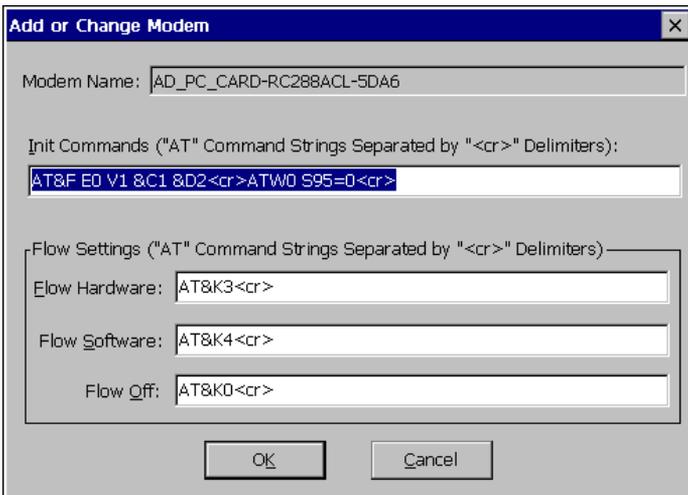


Figure 25–1: Add or Change Modem Dialog Box

Table 25–1 discusses the functions of this dialog box.

Table 25–1: Add or Change Modem Dialog Box

Function	Description
Modem Name	This field displays the brand name of the modem in your system.
Init Commands	Enter a modem initialization command string in this field. The default is ATE0V1&C1&D1<cr> .
Flow Settings	Use this group box to set the following flow settings: Flow Hardware Enter a flow hardware command string in this field. The default is AT&K3<cr> . Flow Software Enter a flow software command string in this field. The default is AT&K4<cr> . Flow Off Enter a flow hardware command string in this field. The default is AT&K0<cr> .



The Hayes command set is discussed in greater detail in “Modem AT Commands.”

ISDN Settings

Use the **ISDN Settings** dialog box to set the terminal’s ISDN (Integrated Services Digital Network) settings. If you do not know this information, ask your system administrator. Figure 25–1 shows the dialog box. To invoke the dialog box, click on the **ISDN Settings...** command button on the **Devices** properties sheet.



These settings are specific to EiCon-Tech modems only.

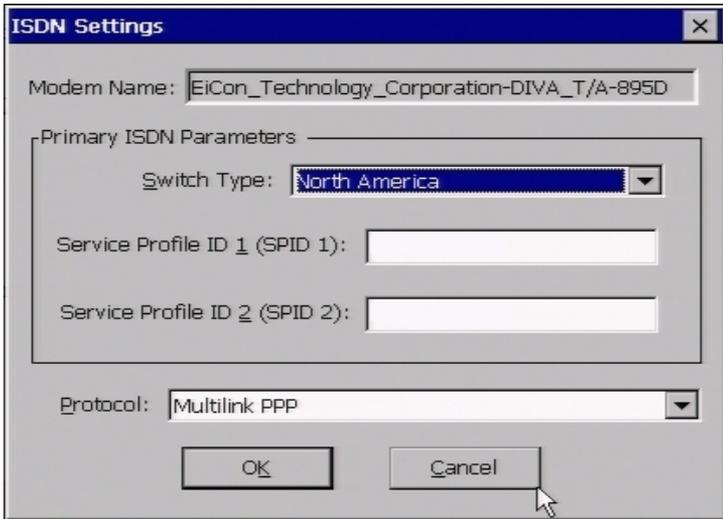


Figure 25–1: ISDN Settings Dialog Box

Table 25–2 discusses the functions of the ISDN Settings dialog box.

Table 25–2: ISDN Settings Dialog Box

Function	Description
Modem Name	This field displays the brand name of the modem in your system.
Primary ISDN Parameters	<p data-bbox="501 402 873 456">Use this group box to configure the following ISDN parameters:</p> <p data-bbox="501 477 639 500">Switch Type</p> <p data-bbox="501 511 944 591">Use this drop-down scroll list to select the switch type. The default is North America.</p> <p data-bbox="501 613 717 636">Service Profile ID 1</p> <p data-bbox="501 649 948 730">Use this field to enter Service Profile ID 1. Only numbers are allowed in this text box.</p> <p data-bbox="501 751 894 831"> Enter the SPID provided by your ISDN line provider (telephone company).</p> <p data-bbox="501 849 719 872">Service Profile ID 2</p> <p data-bbox="501 883 948 964">Use this field to enter Service Profile ID 2. Only numbers are allowed in this text box.</p> <p data-bbox="501 985 894 1065"> Enter the SPID provided by your ISDN line provider (telephone company).</p>
Protocol	Use this drop-down scroll list to select a protocol. The default is Multilink PPP .

Touchscreens

Your WBT supports touchscreens. This chapter discusses the setup for the two touchscreens the terminal supports, ELO and MicroTouch.

ELO Touchscreen

Figure 26–1 shows the **ELO Touchscreen** dialog box. Use this dialog box to calibrate an ELO touchscreen.

To open this dialog box:

1. Press **F2** to open the **Terminal Properties** dialog box.
2. Click on the **Devices** tab.
3. Double-click on the **ELO Touch** icon in the properties sheet's icon container.

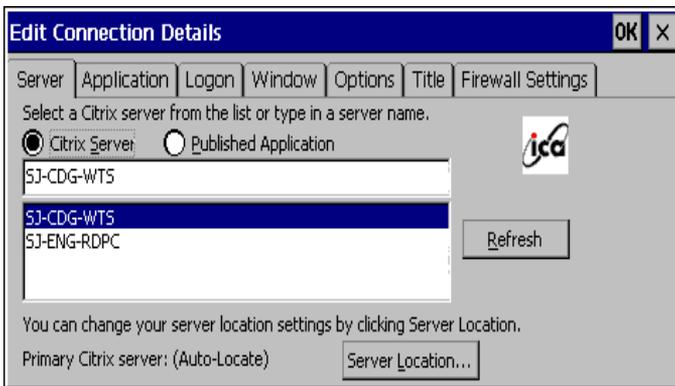


Figure 26–1: ELO Touchscreen Dialog Box

Table 26–1 discusses the dialog box.

Table 26–1: ELO Touchscreen Dialog Box

Function	Description
Cable Connection	<p>Select from this scroll list the Com port to which the touchscreen is connected:</p> <ul style="list-style-type: none"> ■ Disable ■ Serial Cable on COM1 ■ Serial Cable on COM2 <p>The default for the list is Disable.</p>
Calibrate	<p>Click on this command button to calibrate the touchscreen. The button will be deactivated if a touchscreen is not connected to one of the terminal's Com ports or USB connectors.</p> <p> After a Com port is selected, the terminal must be restarted.</p> <p>When you click on Calibrate, a white screen with a single cross-hair in the upper left-hand corner displays:</p> <ol style="list-style-type: none"> 1. Touch the cross-hair. The cross-hair will move to the lower right-hand corner. 2. Touch the cross-hair. The cross-hair will move to the upper right-hand corner. 3. Touch the cross-hair. The ELO Touchscreen dialog box displays. 4. Click on OK. <p>Calibration is complete.</p>

MicroTouch Touchscreen

Figure 26–1 shows the **Microtouch Touchscreen Properties** dialog box. Use this dialog box to set up a Microtouch touch screen.

To invoke this dialog box:

1. Press **F2** to invoke the **Terminal Properties** dialog box.
2. Click on the **Devices** tab.
3. Double-click on the **Touchscreen** icon in the properties sheet's icon container.

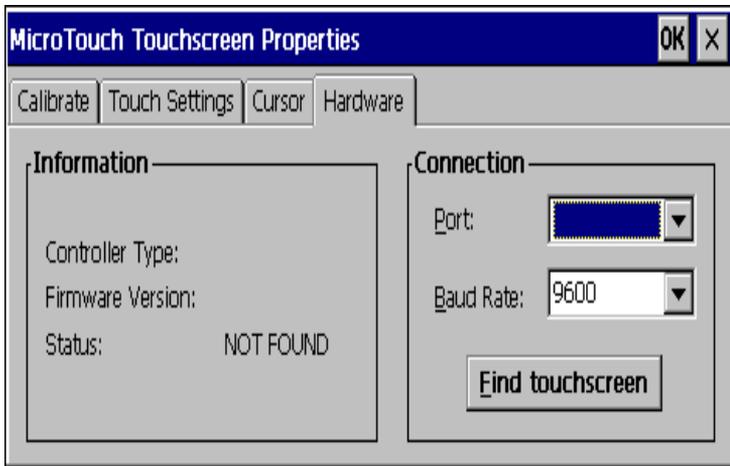


Figure 26–1: Microtouch Touchscreen Properties Dialog Box

The **Microtouch Touchscreen Properties** dialog box contains four properties sheets. The rest of this section discusses these properties sheets.

Hardware Properties Sheet

The **Hardware** properties sheet is displayed by default and is shown in Figure 26–1. The following table discusses the properties sheet.

Table 26–2: Hardware Properties Sheet

Function	Description
Information	<p>This group box displays information about the touchscreen that is connected to your terminal. To display the information, click on Find Touchscreen (see below).</p> <p>Controller Type This field shows the controller type.</p> <p>Firmware Version This field shows the firmware version.</p> <p>Status This field shows the status:</p> <ul style="list-style-type: none">■ OK■ Not Found <p>If there is no MicroTouch touch screen connected to the terminal, the Status field will display Not Found.</p>

Table 26–2: Hardware Properties Sheet (Continued)

Function	Description
Connection	Use this group box to configure the connection between the terminal and the touchscreen.
	Port Select the Com port that the touchscreen is connected to.
	Baud Rate Select the proper baud rate for the connection.
	Find Touchscreen Click on this command button to detect the touchscreen.

Cursor Properties Sheet

The **Cursor** properties sheet is shown in Figure 26–1.

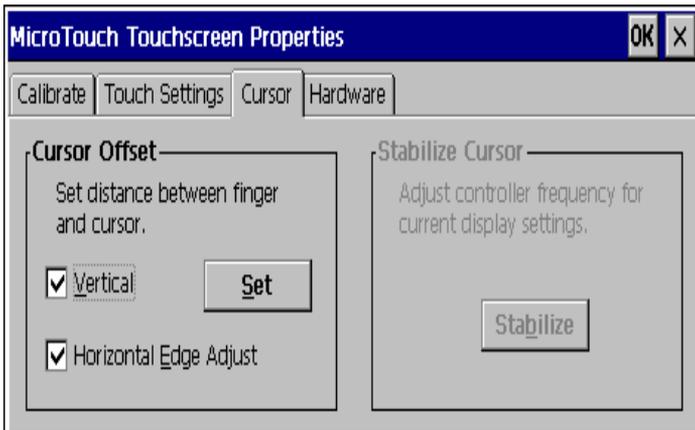
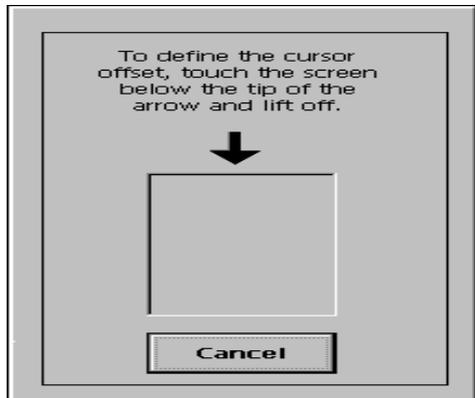


Figure 26–1: Cursor Properties Sheet

Table 26–3 discusses the **Cursor** properties sheet.

Table 26–3: Cursor Properties Sheet

Function	Description
Cursor Offset	<p>Use this properties sheet to set the distance between your finger and the cursor.</p> <p>Vertical Check this check box to set the vertical distance.</p> <p>Horizontal Edge Adjust Check this check box to set the horizontal distance.</p> <p>Set Click on this command button to invoke a dialog box that will allow you to set distances:</p>



Follow the instructions on the dialog box.

Stabilize Cursor

This command button is always deactivated.

Touch Settings Properties Sheet

Figure 26–1 shows the **Touch Settings** properties sheet.

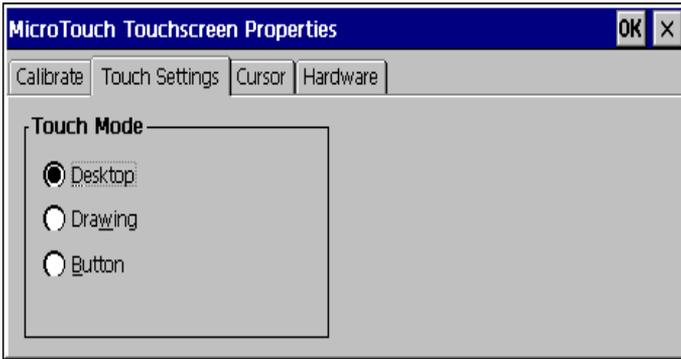


Figure 26–1: Touch Settings Properties Sheet

The following table discusses this properties sheet.

Table 26–4: Touch Settings Properties Sheet

Function	Description
Touch Mode	Use this group box to configure a touch mode. A touch mode specifies actions that equate to mouse click, double-click, and drag events.
	Desktop Check this check box to enable desktop mode. Desktop mode is used for general desktop applications.
	Drawing Check this check box to enable drawing mode. Drawing mode is used for graphics applications.
	Button Check this check box to enable button mode. Button mode is used for applications that use button-type UIs.

Calibrate Properties Sheet

The **Calibrate** properties sheet is shown in Figure 26–1.

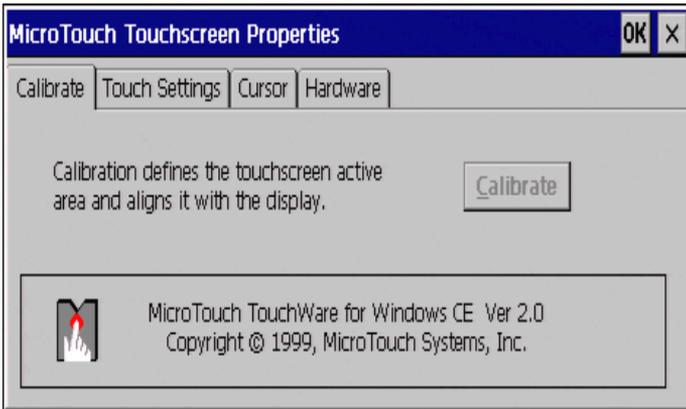


Figure 26–1: Calibrate Properties Sheet

The **Calibrate** properties sheet has one command button. Click on the **Calibrate** command button to begin the calibration process. A white screen with a single cross-hair in the lower left-hand corner displays:

1. Touch the cross-hair. The cross-hair will move to the upper right-hand corner.
2. Touch the cross-hair. The **Calibration Complete** dialog box displays.
3. Follow the instructions in the **Calibration Complete** dialog box to complete the calibration process.

Date/Time Properties

The Date/Time Properties dialog box (Figure 27–1) allows you to set the date and time on the terminal.

1. Press **F2** to open the **Terminal Properties** dialog box.
2. Click on the **Devices** tab.
3. Double-click on the **Date/Time-on** icon in the icon container on the **Devices** properties sheet.

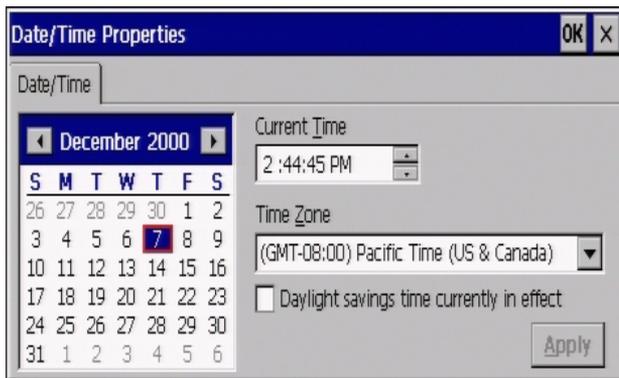


Figure 27–1: Date/Time Properties Dialog Box

Use the calendar to set the date. Select the **Time Zone** and check the check box if daylight savings time is currently in effect.



If a time server is available (See **SNTP Client** chapter), the terminal time will automatically synchronize to the time provided by the server. Otherwise, the time must be set manually.

To manually set the time, enter a time slightly ahead of the actual time in **Current Time** text box, and then just as the actual time reaches the set time, click on the **Apply** button.

JETCET PRINT

JETCET PRINT Professional is a utility that supports local printing from your Windows CE-based terminal.



JETCET only supports IE 4.0. ICA, RDP, or terminal emulations do not use the JETCET printer driver.

The **JETCET PRINT Professional** dialog box (Figure 28–1) allows you to select printing properties. To open this dialog box:

1. Press **F2** to open the **Terminal Properties** dialog box.
2. Click on the **Devices** tab.
3. Click on the **JETCET PRINT Pro** icon in the **Devices** tab.

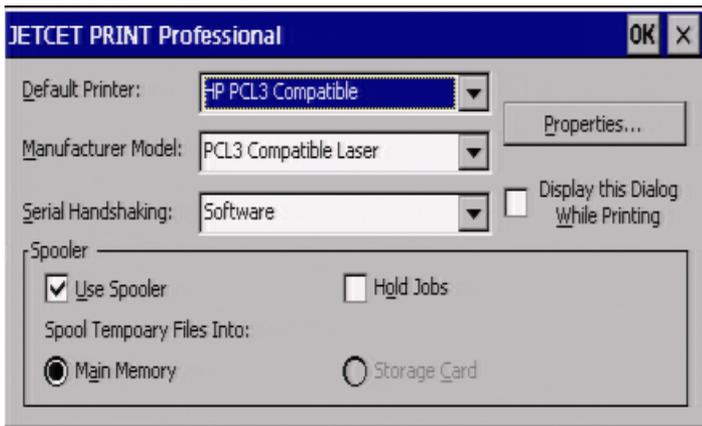


Figure 28–1: JETCET PRINT Professional Dialog Box

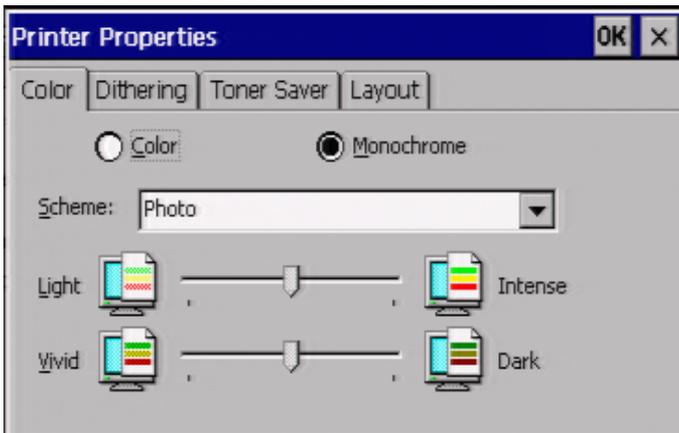
Table 28–1 describes the available printing options and settings.

Table 28–1: JETCET PRINT Professional Dialog Box Settings

Function	Description
Default Printer drop-down list box	Displays a list of supported printers.
Manufacturer Model drop-down list box	Displays a list of manufacturers of the currently selected default printer. Available printers are: <ul style="list-style-type: none">■ Cannon BJC■ Citizen■ Epson Compatible■ HP PCL3 Compatible (default)■ PocketJet■ PocketJetII■ PostScript  These are the only supported printers.
Serial Handshaking drop-down list box	Allows selection of software or hardware handshaking between the terminal and the printer. Default is software.
Spooler area	Controls in this area are used to select print spooler options. Checking Use Spooler (default is checked) enables the Hold Jobs check box and the spooler memory selection radio buttons. Currently only main memory is available (Main Memory radio button permanently active). If you check Hold Jobs , the print jobs will be held in main memory until the box is un-checked.

Table 28–1: JETCET PRINT Professional Dialog Box Settings

Function	Description
Display this Dialog While Printing check box	Check if you want this dialog box to automatically open when printing.
Properties... command button	<p>Opens the Printer Properties dialog box. This dialog box has four tab sections, each of which contains controls for setting a category of print properties:</p> <ul style="list-style-type: none"> ■ Color (Figure 28–1) ■ Dithering (Figure 28–2) ■ Toner Saver (Figure 28–3) ■ Layout (Figure 28–4)

**Figure 28–1: Printer Properties Dialog Box, Color Tab**

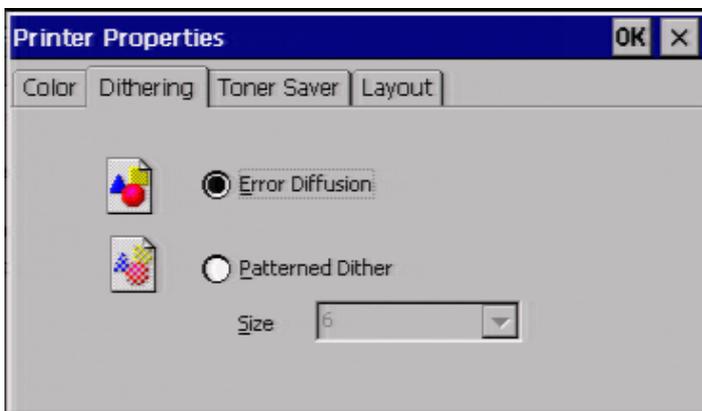


Figure 28–2: Printer Properties Dialog Box, Dithering Tab

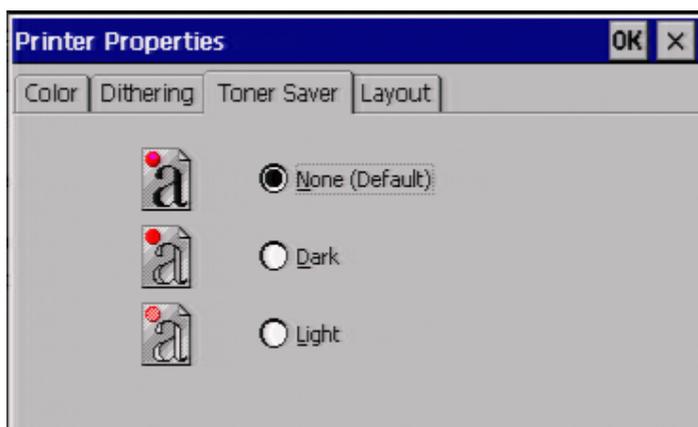


Figure 28–3: Printer Properties Dialog Box, Toner Saver Tab

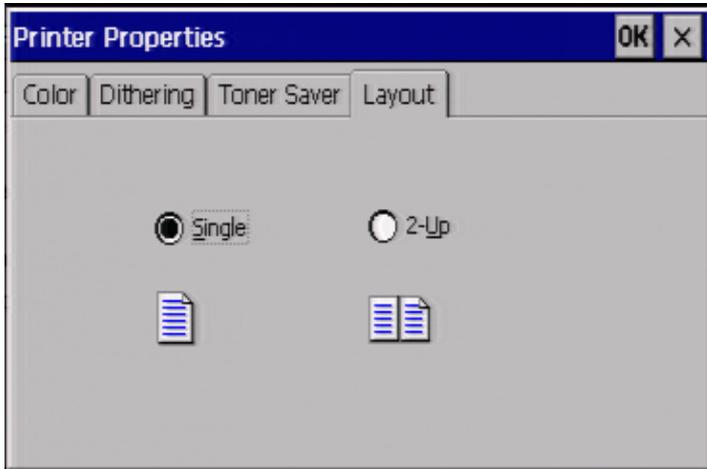


Figure 28–4: Printer Properties Dialog Box, Layout Tab

Local Printers

The terminal supports both Line Printer Daemon (LPD) printing and printing from applications.

LPD Printing

This paragraph discusses the configuration of local printing using the **LPD Config** dialog box.



LPD can only be used with the parallel port of a terminal.



Figure 29–1: LPD Config Dialog Box

Using the LPD Config Dialog Box

To invoke this dialog box:

1. Press **F2** to invoke the **Terminal Properties** dialog box.
2. Click on the **Devices** tab.
3. Click on the **LPD** icon in the icon container.

Table 29–1 discusses the dialog box.

Table 29–1: LPD Config Dialog Box

Function	Description
Enable Printer	Check this check box to enable LPD printing to a printer connected to your terminal.
Printer Name	Type in this field the name of the connected printer. The default for this field is Noname .
Port	Type in this field the virtual port number. Virtual port is a logical device assigned when you set up LPD services on your server. The default for this field is 515 .
Send Form Feed	Check this check box to enable form feeds.

RDP Printing

You may print to a local printer from RDP (Remote Desktop Protocol) 5.0/Win2K applications. This paragraph describes how to select the driver for a connected printer.

Printers Properties Sheet

Figure 29–1 shows the **Printers** properties sheet. To invoke this properties sheet:

1. Press **F2** to invoke the **Terminal Properties** dialog box.
2. Click on the **Printers** tab.

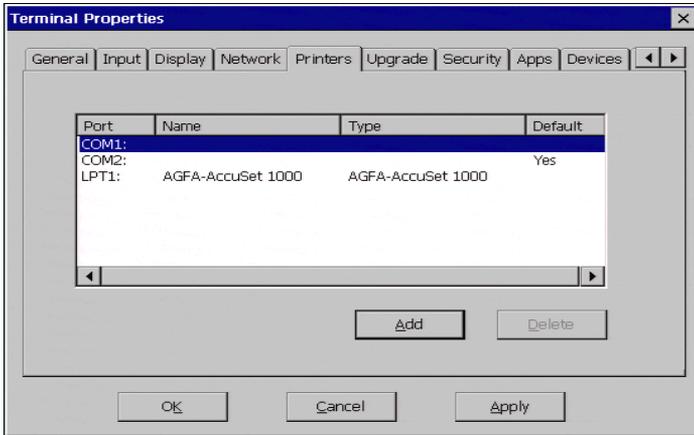


Figure 29–1: Printers Properties Sheet

Table 29–2 discusses the properties sheet.

Table 29–2: Printers Properties Sheet

Function	Description
List box	Contains a listing of printers associated with each available port (Com1, Com2, LPT1). Lists the name, type, and whether it is the default printer.
Add / Properties command button	Select a port in this list and press the Add / Properties command button to open the Printer Properties dialog box (see Figure 29–1) which allows you to configure a printer for the port. Double-clicking the listing has the same effect as pressing the button.
Delete command button	If the selected port does not have a printer associated with it, the command button label will be Add ; otherwise the label will be Properties . Clicking on the button opens the Printer Properties dialog box, which enables the user to either select a printer for the port or change the printer properties for the selected port.
Delete command button	Deletes printer listing (if properties are defined) for the selected port.

Using the Printer Properties Dialog Box

Figure 29–1 shows the **Printer Properties** dialog box.

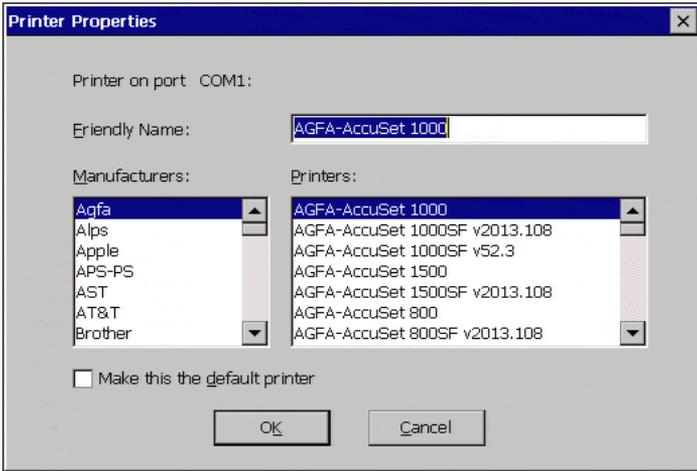


Figure 29–1: Printer Properties Dialog Box

Use the **Manufacturers** and **Printers** list boxes to select a printer. The **Printer Name** text box will initially contain the manufacturer's name for the printer. Overtyping this with the name by which you will refer to this printer. If you want this to be the default printer, check the **Make this the default printer** box (this will de-select another printer previously selected as default). Click **OK** to accept the properties and close the box or click **Cancel** to cancel the selection and close the box.

PC Card Adapters for Token Ring Networks



This chapter applies only to the Compaq T1010 terminal.

Your WBT supports PCMCIA RACORE token ring adapter cards. This chapter discusses the setup for RACORE token ring card. Figure 30–1 shows the **RACORE Token Ring Adapter Settings** dialog box. Use this dialog box to configure a RACORE token ring card.

Using the RACORE - Token Ring Adapter Settings Dialog Box

To invoke this dialog box:

1. Press **F2** to invoke the **Terminal Properties** dialog box.
2. Click on the **Devices** tab.
3. Click on the **RACORE - TR** icon in the icon container on the **Devices** properties sheet.

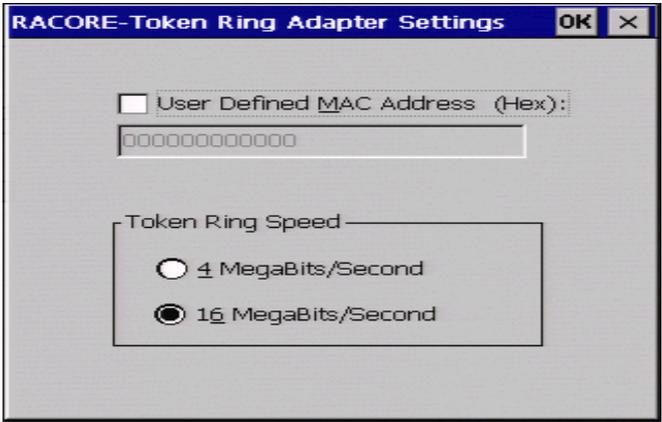


Figure 30–1: RACORE - Token Ring Adapter Settings Dialog Box

Table 30–1 discusses the dialog box.

Table 30–1: RACORE - Token Ring Adapter Settings

Function	Description
User Defined MAC Address	Use this text field to enter the MAC address of the token ring PC card. The default is 000000000000 .
Token Ring Speed	Use this group box to select the speed of your token ring network. The default is 16 Megabits/Second 4 Megabits/Second Click on this radio button if your network is set to a passing speed of 4 megabits. 16 Megabits/Second Click on this radio button if your network is set to a passing speed of 16 megabits.

SNTP Client

Your terminal is capable of synchronizing its clock to time provided by an SNTP (Simple Network Time Protocol) server. Figure 31–1 shows the **SNTP Client** dialog box. Use this dialog box to select the SNTP server and to synchronize the terminal time.



SNTP client is available only when IE4 is installed.

Using the SNTP Client Dialog Box

To invoke this dialog box:

1. Press **F2** to invoke the **Terminal Properties** dialog box.
2. Click on the **Devices** tab.
3. Click on the **SNTP Client** icon in the icon container on the **Devices** properties sheet.

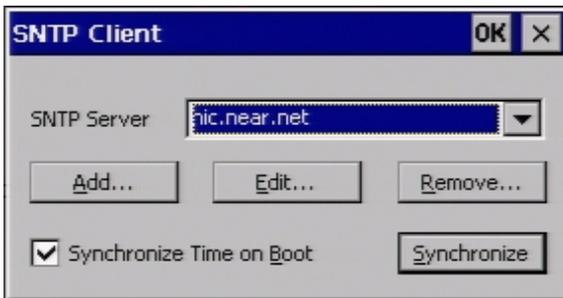
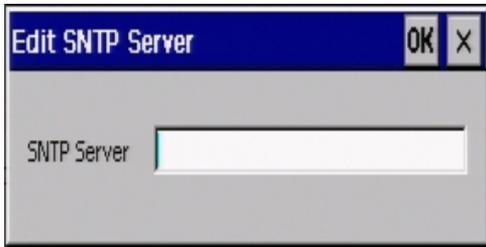


Figure 31–1: SNTP Client Dialog Box

Table 31–1 discusses the dialog box.

Table 31–1: SNTP Client Settings

Function	Description
SNTP Server drop-down list box	Permits selection of an SNTP server from a list built using the Add , Edit , and Remove command buttons.
Add , Edit , and Remove command buttons	Add and Edit open the Edit SNTP Server dialog box, from which you may add to the SNTP server list or edit a current selection. The IP address or DNS name of the server may be used. Remove deletes the selected entry from the list.
Synchronize Time on Boot check box	Check this box if you want the terminal to automatically synchronize to the SNTP time server when the terminal boots. Default is checked .
Synchronize command button	Causes the terminal time to immediately synchronize to the selected SNTP server. A message appears if synchronization fails. This feature can be used to test availability of listed SNTP servers.



PC Card Adapters for Wireless Networks



This chapter applies to Compaq T1010 terminals.

Your WBT supports PCMCIA adapters for WaveLAN wireless networks. This chapter discusses the setup for these adapters. Figure 32-1 shows the **WaveLAN/IEEE** Settings dialog box.

Using the WaveLAN/IEEE Settings Dialog Box

To invoke this dialog box:

1. Press **F2** to invoke the **Terminal Properties** dialog box.
2. Click on the **Devices** tab.
3. Double-click on the **WaveLAN** icon in the icon container.

The **WaveLAN/IEEE Settings** dialog box contains four properties sheets. The rest of this section discusses these properties sheets.

Basic Properties Sheet

The **Basic** properties sheet is the default of the dialog box and is shown in Figure 32–1.

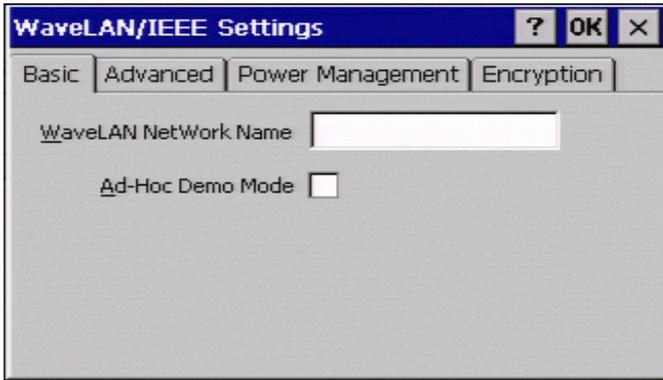


Figure 32–1: WaveLAN/IEEE Settings Dialog Box

The following table discusses the properties sheet.

Table 32–1: Basic Properties Sheet

Function	Description
WaveLAN Network Name	Enter in this field the name of the LAN network that you want to connect to. This field must match the name of the current wireless network infrastructure. The default for this field is blank.
Ad-Hoc Demo Mode	Click here to enable Ad-hoc Demo Mode . Enabling this mode will allow the terminal to connect to a small wireless workgroup. In this mode the terminal will: <ul style="list-style-type: none">■ Ignore WaveLAN Network Name.■ Ignore WavePOINT-II access points.■ Fix the radio to operate at factory default. By default the check box is unchecked.

Advanced Properties

The Advanced properties sheet is shown in Figure 32–1.



Advanced properties normally should not need to be changed. The default values should be sufficient for normal network use.

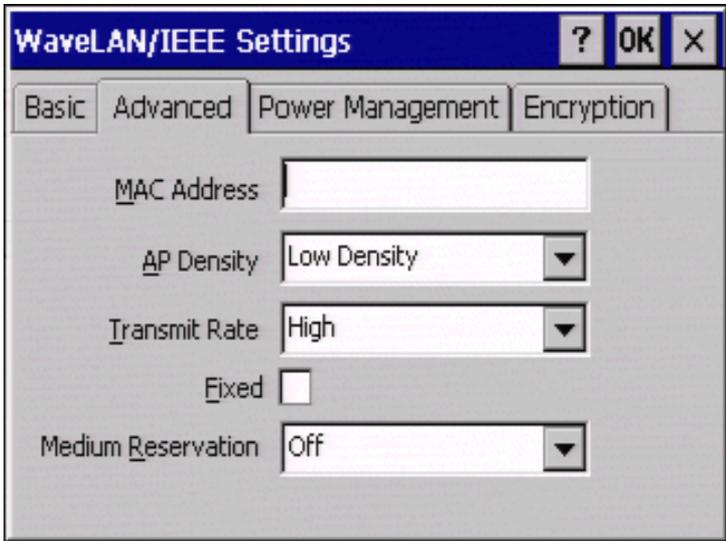


Figure 32–1: Advanced Properties Sheet

The following table discusses this properties sheet.

Table 32–2: Advanced Properties Sheet

Function	Description
MAC Address	Enter in this field a user assigned MAC address. You will not have to change this parameter for most networks. You will only have to assign an address if your network uses local MAC addressing. By default this field is blank.
AP Density	Select in this scroll box an AP density (access point density) value. This parameter controls the roaming sensitivity of the terminal. The values are: <ul style="list-style-type: none">■ Low Density■ Medium Density■ High Density This parameter is set by: <ul style="list-style-type: none">■ The density of access points in the network.■ The configuration of the access points. The default is Low Density .
Transmit Rate	Select in this scroll box the transmission rate of the connection. The values are: <ul style="list-style-type: none">■ Low■ Standard■ Medium■ High The default is High .

Table 32–2: Advanced Properties Sheet (Continued)

Function	Description
Fixed	Click to check this box to disable the Auto-Transmit Rate Select function. The default is unchecked.
Medium Reservation	Select from this scroll list: <ul style="list-style-type: none"> ■ Off ■ Hidden Stations This function improves wireless performance in a network. It prevents message collision. The default is Off .

Power Management

Figure 32–1 shows the **Power Management** properties sheet.

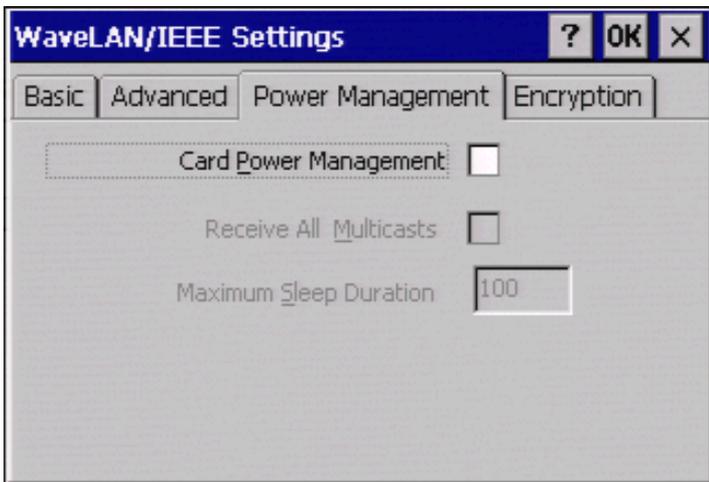


Figure 32–1: Power Management Properties Sheet

Table 32–1 discusses the properties sheet.

Table 32–3: Power Management Properties Sheet

Function	Description
Card Power Management	Click to check this box to enable power management. Power management conserves the life of the battery of a portable device. When Card Power Management is enabled, the other functions of the properties sheet are activated. By default the box is unchecked.
Receive All Multicasts	Click to check this box to enable the terminal to wake up and receive multicasts. The default for this box is deactivated.
Maximum Sleep Duration	Enter in this field the maximum time the terminal is allowed to sleep. The default is 100 .

Encryption

Figure 32–1 shows the **Encryption** properties sheet.

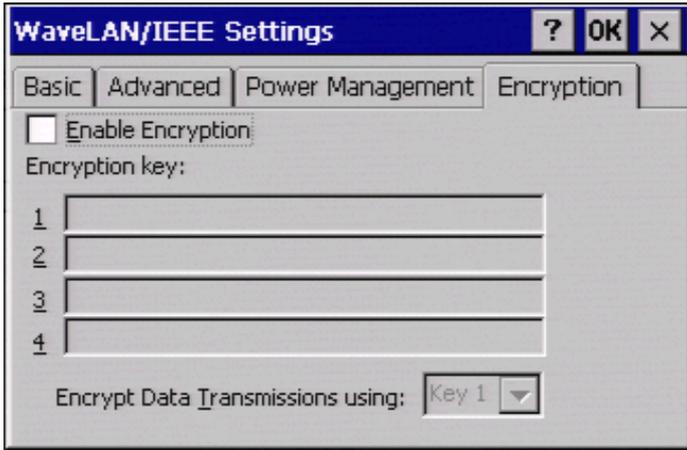


Figure 32–1: Encryption Properties Sheet

Table 32–4 discusses the properties sheet.

Table 32–4: Encryption Properties Sheet

Function	Description
Enable Encryption check box	Check this box to enable encryption.
Encryption Key text boxes	Store encryption keys that you may use.
Encryption Data Transmission using list box	Select the key you are currently using.

Volume Properties

Your WBT supports audio for the ICA client. This chapter discusses the audio controls (see below).



This volume control will function only before Windows Media Player is launched.

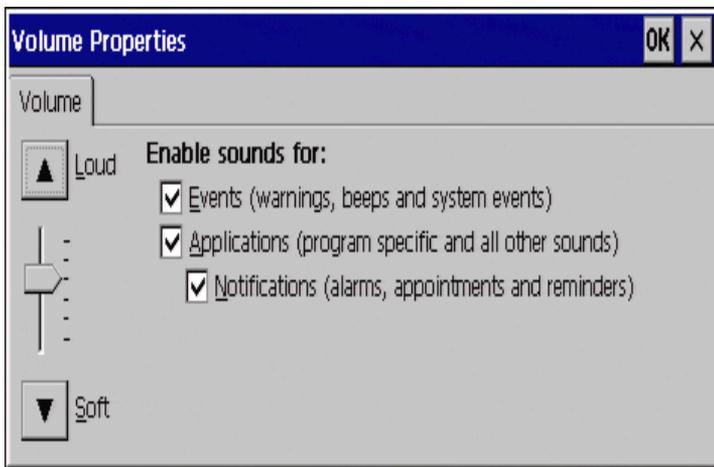


Figure 33–1: Volume Properties Dialog Box

Using the Volume Properties Dialog Box

To invoke this dialog box:

1. Press **F2** to invoke the **Terminal Properties** dialog box.
2. Click on the **Devices** tab.
3. Click on the **Volume** icon in the icon container.

Table 33–1 lists the controls in the dialog box.

Table 33–1: Volume Properties Dialog Box

Function	Description
Volume slider control	Adjusts the audio volume.
Enable sounds for check boxes (3)	Check these boxes as appropriate to enable sounds for: <ul style="list-style-type: none">■ Events - warnings, beeps and system events.■ Applications - program specific and all other sounds. If this box is unchecked, Notifications is disabled (grayed).■ Notifications - alarms, appointments and reminders. Available only if Applications is checked.

Cable Firmware Upgrades



This chapter applies only to Compaq T1010 terminals.

The following section describes the cable method of firmware download. The cable method for all terminals is parallel download, using a Laplink® cable and the MS-DOS xfer.exe program.



CAUTION: Do not power the terminal off during the upgrade.



1. Installation of add-ons can not be performed through this method.
 2. This method does not support upgrades for multip[le flash device units (See **Terminal Properties** | **SysInfo** tab for flash configuration).
-

Setup

The following equipment may be needed:

- IBM-compatible PC with a CD-ROM drive and a parallel port.
- Terminal firmware upgrade diskette or CD, or downloaded firmware binary
- LapLink or equivalent parallel port communications cable (used only if parallel port is used for downloading).



For convenience, drive D:\ is used here for the CD drive. You should substitute the appropriate drive letter for your PC.

Parallel Flash Download Procedure

This procedure includes manual download instructions. The download procedure will not work unless your PC is booted to DOS.

1. Record the terminal's current configuration.



CAUTION: All previous settings will be lost. Upgrading the firmware defaults the current configuration to the factory default settings.

2. Turn off the terminal.
3. Connect a parallel LapLink cable from the parallel port of your PC to the parallel port of the terminal.
4. Insert the firmware upgrade CD into your PC.
5. Type **D:** at the DOS prompt to select the drive where the download files exist. Use the **dir** command to find the files.
6. Perform the following Manual Download procedure.

Manual Download

Use the following instructions to perform a manual download.

1. Type **xfer <filename.ext>** at the DOS prompt
2. Press **Enter**, and the **Download Utility** dialog box appears. See the following figure.

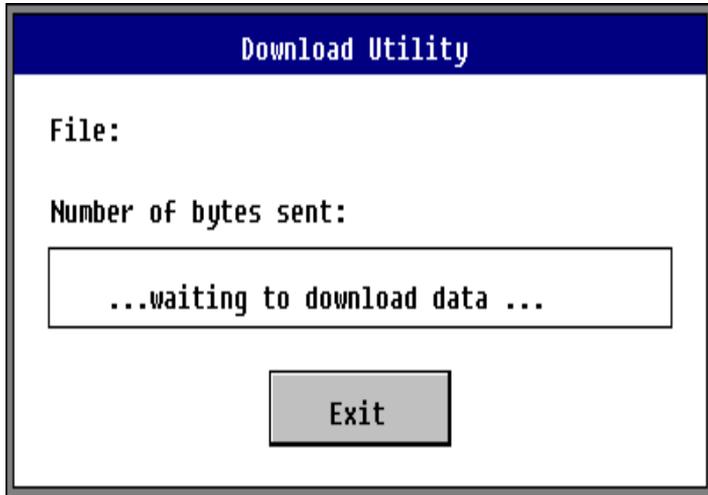


Figure 34–1: Download Utility Dialog Box

3. Power-up the terminal to initiate the download.

The **Firmware Upgrade** dialog box appears, showing that the download is in progress. When the download is complete, disconnect the parallel cable. The **Setup Wizard** will appear.



If the download dialog box remains on the screen longer than 1 minute, press the **Enter** key. A prompt to repeat or quit the operation appears. If the download fails, quit the procedure, check all cables and connections, then repeat from Step 2.

Cable Pinouts

Parallel Download Cable Pinouts

The following table lists the parallel download cable pinouts.

Table 34–1: Parallel Download Cable Pinouts

PC Side	Terminal Side
Pin 01	Pin 01
Pin 02	Pin 15
Pin 03	Pin 13
Pin 04	Pin 12
Pin 05	Pin 10
Pin 06	Pin 11
Pin 07	*
Pin 08	*
Pin 09	*
Pin 10	Pin 05
Pin 11	Pin 06
Pin 12	Pin 04
Pin 13	Pin 03
Pin 14	Pin 14
Pin 15	Pin 02
Pin 16	Pin 16
Pin 17	Pin 17
Pins 18 to 25	Pin 25 Gnd
* - Pin(s) not connected	

The following figure shows the connections for the parallel download cable.

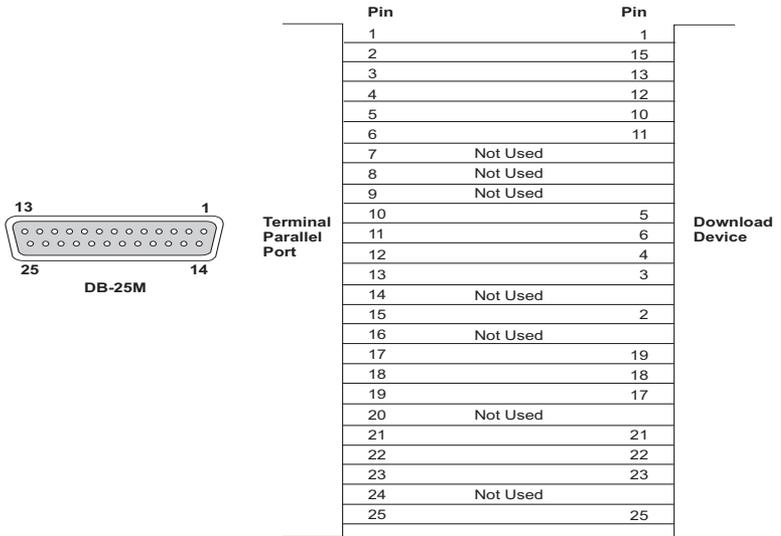


Figure 34–1: Parallel Download Cable Connectors

FTP Pull Firmware Upgrades

Use the **Upgrade** properties sheet to:

1. Set up a terminal for communication with an FTP server.
2. Perform FTP pull upgrades.

See Figure 35–1.

Using the Upgrade Properties Sheet

To invoke this properties sheet:

1. Press the **F2** key.
2. Click on the **Upgrade** tab in the **Terminal Properties** dialog box.

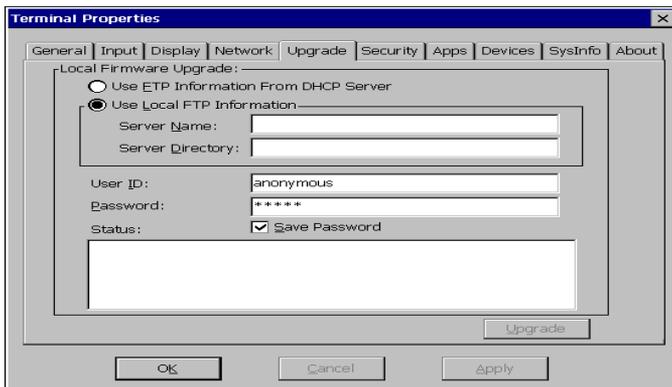


Figure 35–1: Upgrade Properties Sheet

The following table describes the functions found on this properties sheet.

Table 35–1: Upgrade Properties Sheet

Function	Description
Local Firmware Upgrade	<p>Use this group box to upgrade your terminal's firmware using an FTP server. The functions are:</p> <p>Use FTP Information from DHCP Server Select this function if you want to get the FTP server and directory information from a DHCP server. Click on this radio button to select the function. By default the function is disabled.</p> <p>Use Local FTP Information Select this function if you want to enter the FTP server you will use for the upgrade. Click on the radio button to select the function. By default the function is enabled.</p> <p>Server Name Enter the name or IP address of the FTP server where the binary and params.ini reside. The default is blank.</p> <p>Server Directory Enter the directory on the FTP server where the binary and params.ini reside. The default is blank.</p> <p>User ID Enter your user account in this field. The default is anonymous.</p> <p>Password Enter your password in this field. The default is *****.</p>

Table 35–1: Upgrade Properties Sheet (Continued)

Function	Description
	<p>Status</p> <p>This display box shows status information about the connection to the FTP server, and the firmware download. Connect and download errors are also reported. The default is blank.</p>
	<p>Save Password</p> <p>Check this box to save the entered password in the registry.</p>
Upgrade	<p>Click on this command button to initiate the upgrade procedure. By default the button is disabled an FTP server selection is made in the Local Firmware Upgrade area of the dialog box.</p>

FTP and Params.ini



Params.ini must be installed on your FTP server to upgrade your terminal. The upgrade firmware can be obtained through the manufacturer's customer support.

Download is initiated through the **Upgrade** command button on the **Upgrade** properties sheet. Information in the **Upgrade** properties sheet must be filled out to ensure a proper download. See "Changing Terminal Properties" in Advanced User Interface for more details about this properties sheet.

The Upgrade Process

To upgrade:

1. Place params.ini and the new firmware file on your FTP server.
2. Press **F2** to invoke the Terminal Properties dialog box.

3. Click on the **Upgrade** properties sheet tab and enter the appropriate information.
4. Click on the **Upgrade** command button.

The bootstrap program uses **Server Name, User ID, Password,** and **Server Directory** from the **Upgrade** properties sheet to access the FTP server. The program performs the upgrade, checks for errors, and reboots the terminal.



An upgrade can not be cancelled once it has started.

A series of dialog boxes displays during the upgrade.



Figure 35–1: Firmware Upgrade Dialog Box 1

This is the first dialog box that displays. Read for information and click on **Start** to upgrade, or **Cancel** to quit the process.



If you are downloading the same version of firmware that is already on the terminal, a dialog box displays reporting that you are downloading the same version.

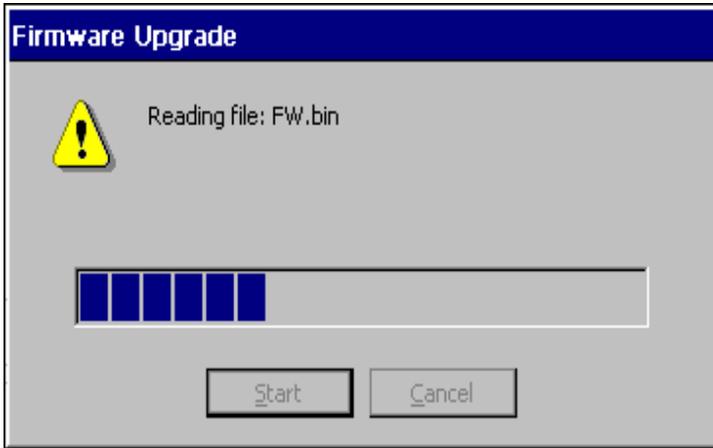


Figure 35–2: Firmware Upgrade Dialog Box 2

Click on **Start** to begin the download. The process is:

- The image gets read.
- The flash gets erased.
- The image gets written to the flash.

When the upgrade is complete, the terminal will reboot to the **Connection Manager**.



If the downloaded image is a lower version from what was on the terminal, the **Setup Wizard** will appear.

SNMP Firmware Upgrades

Using the SNMP Network Administration Dialog Box

The **SNMP Network Administration** dialog box contains the functions that you can use to administer to the terminals on your SNMP network. See Figure 36–1.

To invoke this dialog box:

1. Press the **F2** key to invoke the **Terminal Properties** dialog box.
2. Click on the **Apps** tab to invoke the **Apps** properties sheet.
3. Click on the **SNMP Network Administration** command button.

The screenshot shows a dialog box titled "SNMP Network Administration". It is organized into two main panels. The top panel, "SNMP Communication", contains a checked checkbox "Enable Authenticating Failure Trap". Below it is a "Community" section with two text boxes: "Get:" containing "public" and "Set:" containing "WBTADMIN". To the right is a "Trap Destination" section with four text boxes labeled "Server 1:", "Server 2:", "Server 3:", and "Server 4:". The bottom panel, "Terminal Information", contains a "Description" section with two text boxes: "Location:" and "Contact:". To the right is a "Custom" section with three text boxes labeled "Field 1:", "Field 2:", and "Field 3:". At the bottom of the dialog are "OK" and "Cancel" buttons.

Figure 36–1: SNMP Network Administration Dialog Box

The following table discusses the functions of this dialog box.

Table 36–1: SNMP Network Administration Dialog Box

Function	Description
SNMP Communication	<p>Use this group box to set up SNMP communication using the following functions:</p> <p>Enable Authenticating Failure Trap Check this box to enable the authenticating failure trap.</p> <p>Community Use this group box to configure the network management of a community.</p> <p>Get This field takes the name of the community the SNMP management software will manage with read permission only. If this field is left blank, the community for that terminal will be public. The default for this field is Public.</p> <p>Set This field contains the name of the community the SNMP management software will manage with write permission. The default for this field is WBTADMIN.</p> <hr/> <p> All Get and Set names are case sensitive.</p> <hr/> <p>Trap Destination Server 1:, Server 2:, Server 3:, and Server 4: are fields that supply the names or IP addresses of the servers to which the terminal sends SNMP traps. (Optional)</p>

Table 36–1: SNMP Network Administration Dialog Box (Continued)

Function	Description
Terminal Information	Use this group box to list information about terminals.
	Description
	Use this group box to describe a terminal. (Optional)
	Location
	Type the location of the terminal in this field.
	Contact
	Type the name of the administrator of the subject terminal in this field.
	Custom
	Use the following fields to type in any custom message associated with the subject terminal:
	■ Field 1
	■ Field 2
	■ Field 3

The Upgrade Process

1. Ensure that the custom MIB (Management Information Base) is compiled by your SNMP manager using the current MIB.



In order to initiate an SNMP upgrade, you must know the FTP or TFTP server's IP address or machine name, and the absolute path to the image on the FTP or TFTP server.



In the custom MIB the enterprise number for is 1.3.6.1.4.1.714.

2. **SNMP Update Enable** check box in the **SNMP** area of the **Terminal Properties Apps** tab is checked (by default it is checked/enabled).
3. Using the **SNMP/Network Administrator** dialog box, verify that the community and set community names for the terminal match the community and set community names in the **SNMP** manager.



You can set the **Set Community** name for a terminal if you have DHCP enabled by setting DHCP Option **164** to the set community name your SNMP manager uses.

4. Using your SNMP manager:
 - a. Go to 1.2.3.8.1.2 (wbt3UpDnLoadTable).
 - b. Go to 1.2.3.8.1.2.1.2 (wbt3UpDnLoadID), user defined string.



The above is used in traps to identify the download operation.

- c. Go to 1.2.3.8.1.2.1.3 (wbt3UpDnLoadOp), and set its value to 1 (Download).
- d. Go to 1.2.3.8.1.2.1.4 (wbt3UpDnLoadSrcFile), and set its value to the absolute path of the directory where the image file and params.ini are located.
- e. Go to 1.2.3.8.1.2.1.6 (wbt3UpDnLoadFileType), and set its value to 0 (Binary).
- f. Go to 1.2.3.8.1.2.1.7 (wbt3UpDnLoadProtocol), and set its value to 0 or 1 (FTP or TFTP).

- g. Go to 1.2.3.8.1.2.1.8 (wbt3UpDnLoadFServer), and set its value to the IP address or DNS name of the FTP or TFTP server.
- h. Go to 1.2.3.8.1.4 (wbt3SubmitLoadJob), and set its value to 1 (Ready).

Step 4h will initiate an SNMP upgrade to your terminal. If the download is configured properly, the new image will download and the terminal will reboot automatically.

Refer to Chapter 31, *FTP Pull Firmware Upgrades*, to view the dialog boxes that display during the process.

DHCP Firmware Upgrades

Using the Change DHCP Option IDs Dialog Box

Use the **Change DHCP Option IDs** dialog box to set up DHCP option IDs for terminal administration and upgrade. See Figure 37–1 for a view of this dialog box.

Your terminal uses DHCP and the information on the **Change DHCP Option IDs** dialog box to:

- Help establish ICA and RDP connections
- Perform automated firmware updates
- Help define terminal emulation connections
- Implement remote management of SNMP parameters

To invoke this dialog box:

1. Press the **F2** key.
2. Click on the **Apps** tab.
3. Click on the **Change DHCP Option...** command button.

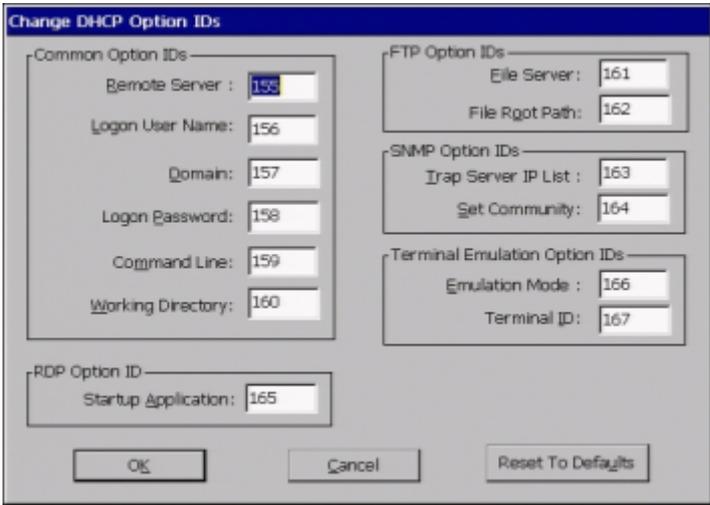


Figure 37-1: Change DHCP Option IDs Dialog Box



Option 158 is not supported yet. It is reserved for future use.

The following table describes the functions of this dialog box.

Table 37–1: Change DHCP Option IDs Dialog Box

Function	Description
Common Option IDs	<p>Group box used to assign DHCP option IDs to common DHCP variables. The number in each field is the DHCP option ID. The following field titles are the DHCP variables:</p> <ul style="list-style-type: none"> ■ Remote Server ■ Logon User Name ■ Domain ■ Logon Password - reserved for future use ■ Command Line ■ Working Directory
RDP Option ID	<p>Group box used to set the following RDP option IDs:</p> <p>Startup Application</p>
FTP Option IDs	<p>Group box used to set the following FTP option IDs:</p> <ul style="list-style-type: none"> ■ File Server ■ File Root Path
SNMP Option IDs	<p>Group box used to set the following SNMP option IDs:</p> <ul style="list-style-type: none"> ■ Trap Server IP List ■ Set Community
Terminal Emulation Option IDs	<p>Group box used to set the following terminal emulation option IDs:</p> <ul style="list-style-type: none"> ■ Emulation Mode ■ Terminal ID
Reset To Defaults	<p>Click on this command button to reset all option IDs to the default values.</p>
<p> The values shown in Figure 37–1 are the terminal default values.</p>	

The Upgrade Process

1. Press the **F2** key for the **Terminal Properties** dialog box.
2. Click on the Network tab.
3. Click on the Obtain an IP Address From DHCP Server radio button, if the function is not enabled.
4. Click on the Apps tab.
5. Click on the DHCP Automatic Update Enable check box on the Apps properties sheet, if the function is not enabled.



You have now enabled the automatic DHCP function. You will also need to configure your DHCP option IDs. Make sure your DHCP options match the options on the DHCP server.

6. If you want to change the DHCP option ID values, click on the **Change DHCP Option...** command button.
7. Use the **Change Option IDs** dialog box to change options, then click on **OK** to save.



Pay special attention to these FTP Option IDs functions: **File Server** (the location of the server where the firmware resides), and **File Root Path** (the location of the firmware). If they are not correct, the upgrade will fail.



You will need the image and the params.ini files on the FTP server to do the upgrade.

8. Shut down the terminal. See “Shutting Down the Terminal” for more information.

Your terminal will automatically upgrade itself when it is turned on again.

Security Properties

Use the **Security** properties sheet to access security functions and global terminal functions. You can also use this sheet to set up terminal accounts. Figure 38–1 shows the **Security** properties sheet.

Using the Security Properties Sheet

To invoke the **Security** properties sheet:

1. Press **F2** to open the **Terminal Properties** dialog box.
2. Click on the **Security** tab.

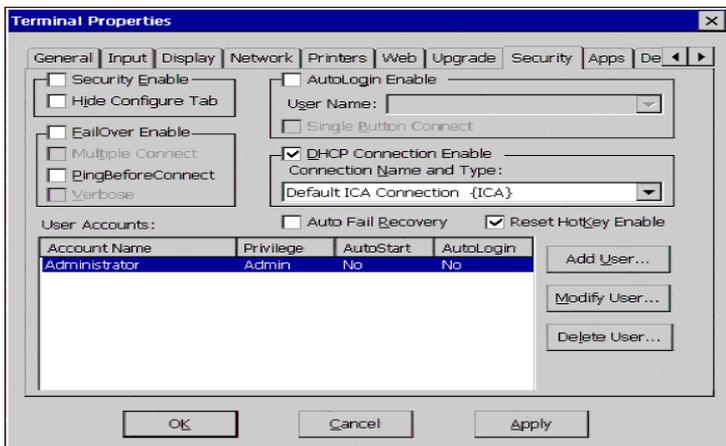


Figure 38–1: Security Properties Sheet

The following table describes the functions of this properties sheet.

Table 38–1: Security Properties Sheet

Function	Description
Security Enable	This group is used to enable terminal security and restrict access connection configurations. It contains the following functions: Security Enable Click to enable terminal security and deactivate the Hide Configure Tab function. It forces a user to log in if autologin is not enabled. By default this function is disabled. Checking this box disables the Hide Configure Tab check box. Typically, when enabled user accounts would be established (Add User command button). Secure effective when terminal is restarted. Hide Configure Tab Click to enable. This function hides the Configure tab in the Connection Manager . By default this function is disabled.
Failover Enable	Use this group to manipulate connection parameters. See “Failover” for more information. Failover Enable Click to enable the failover function. Failover allows the unit to try the next connection in a list if a current connection attempt (ping) is unsuccessful. Enabling this function activates Multiple Connect and Verbose (see below) functions. By default this function is disabled. Multiple Connect Failover must be enabled before you can access this function. The unit will attempt a connection to all servers listed in the Connection Manager starting from where the first connection is launched.

Table 38–1: Security Properties Sheet (*Continued*)

Function	Description
AutoLogin Enable	PingBeforeConnect
	When checked, the server is pinged before a connection is attempted to avoid losing time waiting for failure responses.
	Verbose
	When selected, a Failover Log Window is displayed reporting details about the connection process.
	This group is used to configure automatic login parameters. See “Autologin and Autoconnect” for more information about autologin.
AutoLogin Enable	Select to enable the function. AutoLogin is enabled only for the user name currently highlighted in the User Name list box. Enabling the autologin function activates the Single Button Connect check box. By default the AutoLogin function is disabled.
User Name	This field is activated by enabling AutoLogin Enable . By default the field is blank.
Single Button Connect	Select to enable the function. See the “Single Button Connect” in “Terminal Login” for more information. By default the function is not enabled.
DHCP Connection Enable	Use this group to access the DHCP connection list. It contains the following functions:
	DHCP Connection Enable
	Select to enable automatic DHCP connection. Enabling this function activates the Connection Name and Type list. This function is enabled by default if DHCP is enabled (Network dialog box).

Table 38–1: Security Properties Sheet (Continued)

Function	Description
Auto Fail Recovery	<p>Connection Name and Type A scroll list that displays all connections available to your terminal. You must select the connection that will use information supplied by DHCP. By default this function is Default ICA Connection {ICA}.</p> <p>Select the check box to enable the function. Auto Fail Recovery is a function that checks the validity of a disconnect, and closes down a connection if the disconnect is valid. By default the function is not selected. It reconnects to a session when you log off or end an ICA or RDP session. If DHCP Connection Enable is checked (for ICA or RDP), you must have a server that can respond to ping commands set in the DHCP Server Options or it will not reconnect (per RDP- or ICA-assigned options) the user.</p>
Reset Hot Key Enable	<p>Check this box to enable hot key reset.</p> <hr/> <p> The hot key reset function must be performed as directed by the system administrator.</p>
User Accounts	<p>This is a list box displaying:</p> <p>Account Name Lists the account names.</p> <p>Privilege Lists the privilege type, either Admin, User, or Guest.</p> <p>AutoStart Lists the autostart permission, either Yes or No. Interacts with Connection Startup dialog box selection (see “Connection Configuration”).</p> <p>AutoLogin Lists the autologin permission, either Yes or No. For more information about user accounts see “Terminal Accounts.”</p>

Table 38–1: Security Properties Sheet (*Continued*)

Function	Description
Add User	See “Adding Terminal Accounts.”
Modify User	See “Modifying and Deleting Terminal Accounts.”
Delete User	See “Modifying and Deleting Terminal Accounts.”

Terminal Accounts

A terminal account is a group of connection and configuration parameters organized into an account and assigned to a terminal user. Terminal accounts can include specific connections, privileges, password protection, Autologin and/or Autostart and Single Button Connect functions. The three types of accounts are:

- Guest
- User
- Administrator

Guest Accounts

The **Guest** account has the fewest privileges. With this account you can not:

- Configure a connection unless enabled by the administrator
- Gain access to the password function or effect any changes to security

With this account type you can access the following **Terminal Properties** sheets:

- General
- Input
- Display
- SysInfo

User Accounts

With a **User** account, you will not be able to configure the connection for the account unless enabled by the administrator. You will be able to access the password function to change your password (if this privilege is granted). You can also access the following **Terminal Properties** sheets:

- General
- Input
- Display
- Network
- Printers
- Apps
- Devices
- SysInfo

Administrator Accounts

The **Administrator** account has the greatest amount of privileges. With this account you can:

- Use **Enable Password Change** (to permit users to change the passwords to their accounts)
- Add, modify, and delete accounts, and configure or reconfigure the connections for any account
- Use all the other functions of the terminal

Using Terminal Accounts

Terminal accounts are created and managed by using the **Add User...**, and **Modify User...** command buttons. Terminal accounts are deleted using the **Delete User...** command button. These buttons are found on the **Security** properties sheet.



There is a built-in account called **Administrator**. It can not be deleted or revised. The account's password can be changed and is **<blank>** by default. For security purposes, it is recommended that the default administrator password be changed.

For more information about terminal accounts, see:

- “Security Properties”
- “Creating Terminal Accounts”
- “Modifying and Deleting Terminal Accounts”

Creating Terminal Accounts

The **Add User Account** dialog box is used to create terminal accounts. The following figure shows this dialog box.

Using the Add User Account Dialog Box

Use the **Add User Account** dialog box to set up the parameters for new terminal accounts. To invoke this dialog box:

1. Press **F2** while in the **Connection Manager**.
2. Click on the **Security** tab in the **Terminal Properties** dialog box.
3. Click on the **Add User...** command button.

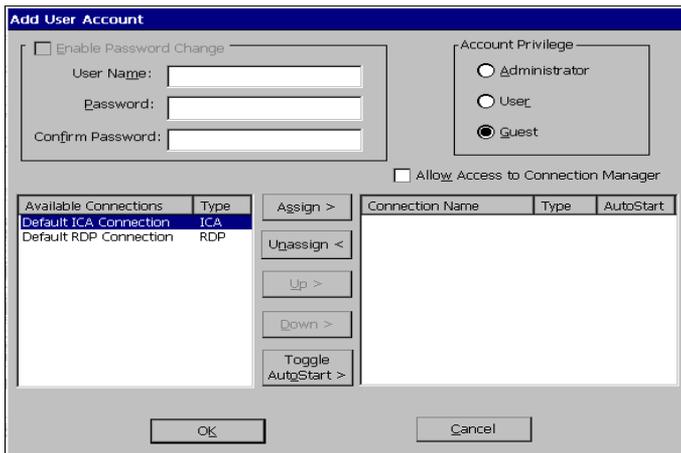


Figure 40–1: Add User Account Dialog Box

The following table describes the functions of the **Add User Account** dialog box.

Table 40–1: Add User Account Dialog Box

Function	Description
Enable Password Change	<p data-bbox="540 391 921 443">Group box used to set up password functions.</p> <hr/> <p data-bbox="540 467 880 540"> The fields of this group box are limited to 20 characters or less.</p> <hr/> <p data-bbox="540 565 835 589">Enable Password Change</p> <p data-bbox="540 597 948 768">Click to enable. Enabling the function will allow the user to change a password. This function is activated by assigning the User account privilege. By default Enable Password Change is deactivated.</p> <p data-bbox="540 792 668 816">User Name</p> <p data-bbox="540 824 948 881">Type in the new user name. By default the field is blank.</p> <p data-bbox="540 906 652 930">Password</p> <p data-bbox="540 938 926 995">Type in the password. By default the field is blank.</p> <p data-bbox="540 1019 753 1044">Confirm Password</p> <p data-bbox="540 1052 948 1109">Type in the password again. By default the field is blank.</p>

Table 40–1: Add User Account Dialog Box (Continued)

Function	Description
Available Connections	<p>This is a list box displaying all the terminal's connections. It contains:</p> <hr/> <p>Available Connections This list shows the connections available for terminal accounts.</p> <p>Type This section of the list displays the connection type for each connection:</p> <ul style="list-style-type: none"> ■ ICA ■ DialUp ■ RDP ■ TEC (terminal emulation) ■ Web
Assign	<p>Click on this command button to copy a connection from Available Connections to Connection Name. You must first select (highlight) the connection you want to copy.</p>
Unassign	<p>Use this button to remove a connection from Connection Name. You must first select the connection you want to remove.</p>
Up and Down	<p>Select a connection and click on the Up or Down command button to move it up or down one place in the Connection Name list. If there are no connections listed in Connection Name, the command buttons are deactivated.</p>

Table 40–1: Add User Account Dialog Box (Continued)

Function	Description
Toggle AutoStart	Click on this command button to toggle between Yes and No . These two choices are listed under AutoStart in Connection Name .
Connection Name	<p>List box displaying connections.</p> <p> The first connection in the list is used by the Single Button Connect feature. Use the Up and Down buttons to rearrange the list.</p> <p>Connection Name This list shows the connections available to a terminal account.</p> <p>Type This section of the list displays the connection type of each connection. See Type above.</p> <p>AutoStart This section of the list displays whether the connection will or will not start automatically.</p>

Table 40–1: Add User Account Dialog Box (Continued)

Function	Description
<p>Account Privilege</p>	<p>Group box used to assign an account an account privilege:</p> <p>Administrator</p> <p>Click this radio button to assign the privileges of administrator to an account. If this function is enabled:</p> <ul style="list-style-type: none"> ■ All connections in Available Connections are automatically assigned to Connection Name for use. ■ Enable Password Change is deactivated but enabled. Administrators always have the ability to change passwords. <p>User</p> <p>Click this radio button to assign the privilege of user to an account. If User is enabled, Enable Password Change is activated. Administrators can give users the ability to change their password.</p> <p>Guest (default)</p> <p>Click this radio button to assign the privilege of guest to an account. If Guest is enabled, then Enable Password Change is deactivated. Users with this account type can not change passwords.</p>
<p>Allow Access to Connection Manager</p>	<p>Select this check box to allow a user account to have access to the Configure tab on the Connection Manager. By default the check box is not selected. The check box is disabled for an administrator account.</p>

Modifying and Deleting Terminal Accounts

The **Modify User Account** dialog box is used to modify and delete terminal accounts. The **Delete** command button, discussed later in *Deleting Terminal Accounts*, is used to delete terminal accounts. Figure 41–1 shows the **Modify User Account** dialog box.



The account name for the account being modified shows in the dialog box title bar.

Using the Modify User Account Dialog Box

To invoke this dialog box:

1. Press **F2** from the **Connection Manager**.
2. Click on the **Security** tab in the **Terminal Properties** dialog box.
3. Highlight the account to be modified and click on the **Modify User...** command button.

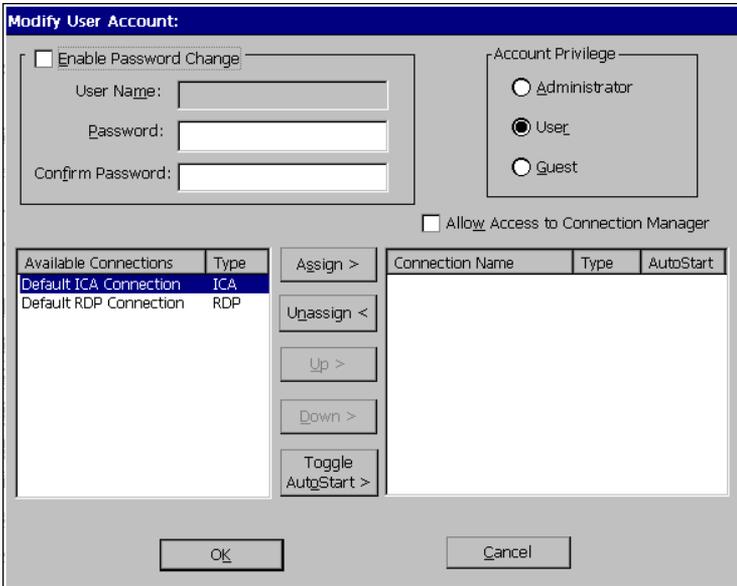


Figure 41–1: Modify User Account Dialog Box

The following table describes the functions of the **Modify User Account** dialog box.

Table 41–1: Modify User Account Dialog Box

Function	Description
Enable Password Change	Group box used to set up password functions.  The fields of this group box are limited to 20 characters or less.
Enable Password Change	Click to enable. Enabling the function will allow the user to change the account’s password. This function is activated by assigning the account User account privilege. By default Enable Password Change is deactivated.

Table 41–1: Modify User Account Dialog Box (Continued)

Function	Description
	<p>User Name Displays the user name. By default the text box is deactivated.</p> <p>Password Type in the password. By default the text box is blank.</p> <p>Confirm Password Type in the password again. By default the text box is blank.</p>
Available Connections	<p>This is a list box displaying all the terminal's connections. It contains:</p> <p>Available Connections This list shows the connections available for terminal accounts.</p> <p>Type This section of the list displays the connection type for each connection:</p> <ul style="list-style-type: none"> ■ ICA ■ DialUp ■ RDP ■ TEC (terminal emulation) ■ Web
Assign	<p>Click on this command button to copy a connection from Available Connections to Connection Name. You must first select to highlight the connection you want to copy.</p>
Unassign	<p>Use this button to delete a connection from Connection Name. You must first select to highlight the connection you want to delete.</p>

Table 41–1: Modify User Account Dialog Box (*Continued*)

Function	Description
Up and Down	Select a connection and click on the Up or Down command button to move it up or down one place in the Connection Name list. If there are no connections listed in Connection Name , the command buttons are deactivated.
Toggle AutoStart	Click on this command button to toggle between Yes and No . These two choices are listed under AutoStart in Connection Name .
Connection Name	<p>List box displaying connections.</p> <p> The first connection in the list is used by the Single Button Connect feature. Use the Up and Down buttons to rearrange the list.</p> <p>Connection Name</p> <p>This list shows the connections available to a terminal account.</p> <p>Type</p> <p>This section of the list displays the connection type of each connection. See Type above.</p> <p>AutoStart</p> <p>This section of the list displays whether the connection will or will not start automatically.</p> <p> Connection Name, Type and AutoStart comprise a list box. When the Modify User dialog box displays, what appears in this list box is the connection type in the last account that you created.</p>

Table 41–1: Modify User Account Dialog Box (Continued)

Function	Description
<p>Account Privilege</p>	<p>Group box used to assign an account account privileges:</p> <p>Administrator</p> <p>Click this radio button to assign the privileges of administrator to an account. If this function is enabled:</p> <ul style="list-style-type: none"> ■ All connections in Available Connections are automatically assigned to Connection Name for use. ■ Enable Password Change is deactivated but enabled. Administrators always have the ability to change passwords. <p>User</p> <p>Click this radio button to assign the privilege of user to an account. If User is enabled, Enable Password Change is activated. Administrators can give Users the ability to change their password.</p> <p>Guest</p> <p>Click this radio button to assign the privilege of guest to an account. If Guest is enabled, Enable Password Change is deactivated. Users with this account type can not change passwords.</p>
<p>Allow Access to Connection Manager</p>	<p>Click on this check box to allow the user of the account to have access to the Connection Manager. The function will deactivate when you set up an account as an administrator account. By default the function is disabled.</p>

Deleting Terminal Accounts

Terminal accounts can be deleted from the **User Accounts** list on the **Security** properties sheet. To delete an account:



CAUTION: You cannot recover a deleted account.

1. Click on the account that you want to delete in the **User Accounts** list.
2. Click on the **Delete User...** command button.

The following dialog box will display.



Figure 41–1: Delete User Account Confirmation Dialog Box

To delete the listed account, click on the **Yes** command button. The terminal account is removed from the database.



You cannot delete the built-in **Administrator** account.

Terminal Login

Terminal login is used as a terminal security measure. Only users with the correct **User Name** and **Password** will be able to log into the terminal. Figure 42–1 shows the **Terminal Login** dialog box.



Figure 42–1: Terminal Login Dialog Box

Logging Into the Terminal

To use the login feature:

1. Enable security. See “Security Properties” for more details.
2. Log out of the terminal by clicking on the **Shut Down...** command button in the **Connection Manager**.
3. Click on the **Logout** radio button in the **Shutdown Window** dialog box.
4. Click on the **OK** command button.

The **Terminal Login** dialog box displays. In this dialog box:

1. Type in the correct **User Name** and **Password**.
2. Click on **OK** to log into the terminal again.

Autologin and Autoconnect

Autologin

The autologin feature is an automatic login function that does not use a dialog box as a prompt to log you into your terminal again. Whether you restart or log off, the **AutoLogin** dialog box displays, counts five seconds, then returns you to the **Connection Manager**.

This is a global function, so it does not matter what other functions you have enabled. Autologin is associated with an account and only one account can have autologin associated with it. It will always act in the same manner. The following figure shows the **AutoLogin** dialog box.

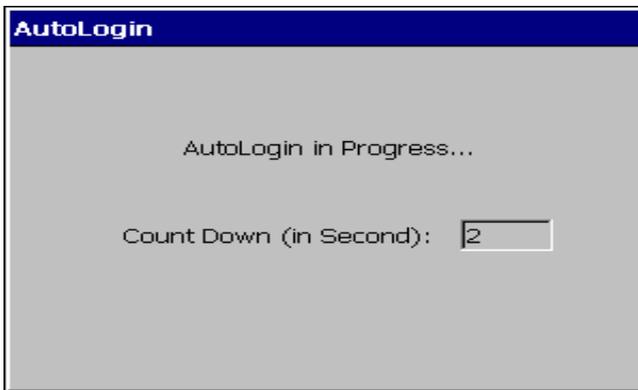


Figure 42–2: Autologin Dialog Box

AutoStart

AutoStart is a function that automatically connects you once you have logged into your terminal. Autostart can be added to any defined connection in any account. Each user can have different and/or multiple autostart connections. To use the function:

1. Enable security.
2. Select the account you want Autostart added to and click on the **Modify User...** command button.
3. Use the **Modify User** dialog box to add Autostart.
4. Restart or log off of your terminal.

The **Terminal Login** dialog box displays. Use it to log into your terminal. The **AutoStart** function will then automatically connect you to the connection that has autostart associated with it.

See “Shutting Down the Terminal” for more details about logging into the terminal.

Single Button Connect

The **Single Button Connect** feature is an automatic login function that uses a dialog box as a prompt to log you into your terminal again after logging out. Figure 42–3 shows this dialog box.

Single button connect is a global and automatic function, and is not included as a terminal account parameter. This function will:

1. Log you into your terminal using the account that has autologin associated with it.
2. Make the first connection listed in the **Connection Name** list in the **Modify User Account** dialog box (unless another connection in the list has been made with Autostart).

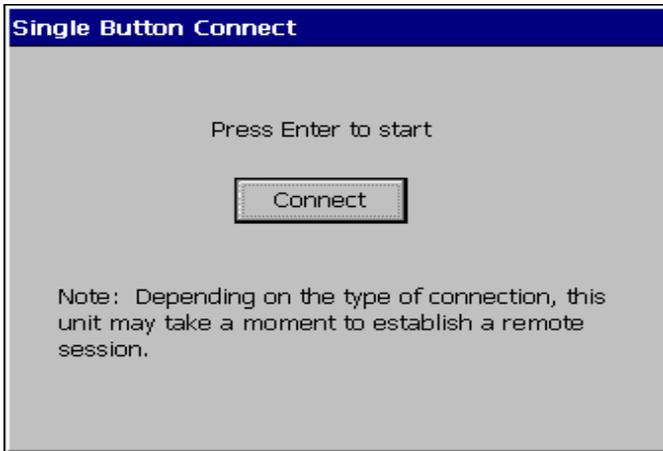


Figure 42–3: Single Button Connect Dialog Box

To enable this function:

1. Press **F2** to invoke the **Terminal Properties** dialog box.
2. Click on the **Security** tab to invoke the **Security** properties sheet.
3. Highlight the user's name in **User Accounts**.
4. Click on the **AutoLogin Enable** check box to enable the function.
5. Click on the **Single Button Connect** check box to enable the function.
6. Click on **OK**.
7. Click on the **Shut Down...** command button in the **Connection Manager**.
8. Click on the **Logout** radio button to log out of the terminal.

The **Single Button Connect** dialog box appears. Click on **Connect** to log into the terminal again.

Failover

Failover is a connection feature that is enabled using the **Security** properties sheet. It forces the terminal to “ping” the intended device before making a connection to it. The function operates when **FailOver Enable** is enabled on the **Security** properties sheet. Failover is global and wholly automatic to the terminal. It will work regardless of what connection you are trying to make, or what type of account under which you are logged in. See “Security Properties” for more information about this function and how to invoke the properties sheet.



Ping (Packet Internet Groper) is a network utility. It tests communication with nodes in a network by sending packets to each selected node. Ping then waits to receive the echo response from that selected node.

Failover operates as follows:



Failover does not support PNLite connections.

1. The terminal pings the intended connection, to determine whether or not it is available.
2. If pinging the intended device fails, the terminal pings each successive connection in the list.
3. For each connection:
 - a. If ping is successful, the connection is made.
 - b. If ping is not successful, the terminal pings the next connection.

- c. If the next connection is a serial or IE connection, ping will stop. Ping will not work on a serial or IE connection. Failover will not continue after encountering a serial or IE connection, but will launch the serial or IE connection if it is valid.

If failover pings all the connections in the list and a connection is not made, the function stops. The following error message displays.



Figure 43–1: Failover Message Box

Once failover is finished, the **Failover Log Window** dialog box displays. Figure 43–2 shows this dialog box.



The **Verbose** function on the **Security** properties sheet must be enabled for the **Failover Log Window** dialog box to display.



Figure 43–2: Failover Log Window Dialog Box

The **Failover Log Window** is a list of all the connections that were pinged. The list reports both successful and unsuccessful pings.

Windows-based Terminal Specifications

Specifications for the Windows-based terminals covered in this manual are listed in the following tables:

- Evo Thin Client T20, Table 44-1
- Compaq T1010 Windows Based Terminal, Table 44-2

Table 44–1: Compaq *Evo Thin Client T20* Specifications

Description	Specification
Terminal Type	Modular Windows-based Terminal <ul style="list-style-type: none"> ■ Embedded Internet Explorer Browser ■ Integrated Microsoft RDP and Citrix ICA 3 protocols (standard) ■ Terminal emulations included. See table reference below. ■ Enhanced version of WBT 1.5 from Microsoft
Display Support¹	<ul style="list-style-type: none"> ■ VESA monitor support, with DDC for automatic setting of resolution and refresh rate ■ Colors: 16, 256 (8-bit), or 65,536 (16-bit) ■ Video: selectable up to 1024x768 ■ Flicker-free, selectable up to 85 Hz noninterlaced refresh rate
Audio¹	<ul style="list-style-type: none"> ■ Output: 1/8-in. mini, full 16-bit stereo, 48 KHz sample rate ■ Input: 1/8-in. mini microphone (not currently supported)²

Table 44–1: Compaq *Evo* Thin Client T20 Specifications

Description	Specification
Input/Output/ Peripheral Support	<ul style="list-style-type: none"> ■ Keyboard: enhanced USB with Windows keys (104 keys) included³; low-profile design with two-position tilt; integrated PS/2-type mouse port; 5 ft (1.5-meter) cable ■ Mouse: PS/2-type mouse included ■ Local and/or network printers on RDP and ICA 3 protocols ■ VGA-type video output (DB-15)
Networking	<ul style="list-style-type: none"> ■ TCP/IP with DNS and DHCP ■ 10/100BaseT Fast Ethernet, twisted pair (RJ-45), and link speed/activity LEDs ■ Point-to-Point Protocol (PPP) Multiple master browser support on ICA ■ Supports Citrix load balancing on ICA ■ SNMP support allows configuration of terminal settings, reporting of terminal configuration and attached devices, traps ■ DHCP support for automatic firmware upgrades and unit configuration
Communications	<ul style="list-style-type: none"> ■ Two USB Ports: one port for USB keyboard with PS2-type mouse, one port available for peripherals
Communication Protocols/ Terminal Emulations Supported	<ul style="list-style-type: none"> ■ RDP resident ■ ICA 3 protocol resident ■ See Table 16-1 for emulations supported

Table 44–1: Compaq *Evo* Thin Client T20 Specifications

Description	Specification
Server OS Compatibility/Support	<ul style="list-style-type: none"> ■ Microsoft Windows 2000 Server ■ Microsoft Windows NT Server 4.0, Terminal Server Edition ■ Citrix WinFrame ■ Citrix MetaFrame, the Citrix enhancement to Microsoft Windows NT Server 4.0, Terminal Server Edition ■ Citrix Device Services (included)
Setup and Configuration	<p>User Interface</p> <ul style="list-style-type: none"> ■ Local boot ■ Start-up wizard for simple set-up ■ See Table 3-1 for keyboard languages supported <p>Configuration</p> <ul style="list-style-type: none"> ■ Configurable automatic login ■ Individual user account customization (scripting)
Physical Characteristics	<ul style="list-style-type: none"> ■ Height: 1.70 in. (4.3 cm) ■ Width: 7.64 in. (19.4 cm) ■ Depth: 6.18 in. (15.7 cm) ■ Shipping weight: 7.7 lbs (3.5 kg) ■ Mounting system for installation
Environment	<p>Temperature Range</p> <ul style="list-style-type: none"> ■ Powered on: 32° to 104°F (0° to 40°C) ■ Powered off: –14° to 140°F (–10° to 60°C) ■ Convection cooling, fanless design <p>Humidity</p> <ul style="list-style-type: none"> ■ 20 to 80% noncondensing <p>Operating altitude range</p> <ul style="list-style-type: none"> ■ 0 to 10,000 ft (0 to 3,050 m)

Table 44–1: Compaq *Evo* Thin Client T20 Specifications

Description	Specification
Power	<ul style="list-style-type: none">■ Worldwide auto-sensing 90-264 V ac, 47-63 Hz■ Wake-on-LAN ready
Regulatory Compliance	<p>Ergonomics</p> <ul style="list-style-type: none">■ EK 1/59-98, EK 1/60-98■ EPA Energy Star <p>Safety</p> <ul style="list-style-type: none">■ UL 1950, CSA 950■ TÜV-GS approved■ EN 60950 approved <p>RF Interference</p> <ul style="list-style-type: none">■ FCC Class B■ CE mark■ EN55022B■ VCCI

Footnotes:

- 1 Monitor, speakers, and microphone not included.
 - 2 Microphone will be supported in a future software release.
 - 3 Keyboard not included with international models.
-

Table 44–2: Compaq Thin Client T1010 Specifications

Description	Specification
Terminal Type	Modular Windows-based Terminal <ul style="list-style-type: none"> ■ Integrated Microsoft RDP and Citrix ICA 3 protocols and terminal personalities (standard)
Display Support¹	<ul style="list-style-type: none"> ■ VESA monitor support, with DDC for automatic setting of resolution and refresh rate ■ Colors: 16, 256 (8-bit), or 65,536 (16-bit) ■ Video: selectable up to 1280x1024 ■ Flicker-free, selectable up to 85 Hz noninterlaced refresh rate
Audio¹	<ul style="list-style-type: none"> ■ Output: 1/8-in. mini, full 16-bit stereo, 44 KHz sample rate ■ Input: 1/8-in. mini microphone (not currently supported)²
Input/Output/Peripheral Support	<ul style="list-style-type: none"> ■ Keyboard: enhanced PS/2-type with Windows keys (104 keys) included³; low profile design with two-position tilt; 5-ft (1.5-m) cable ■ Mouse: PS/2-type mouse included ■ Local and/or network printers on ICA (virtual port redirection ready) ■ VGA-type video output (DB-15)

Table 44–2: Compaq Thin Client T1010 Specifications (Continued)

Description	Specification
Networking	<ul style="list-style-type: none"> ■ TCP/IP with DNS and DHCP ■ 10/100BaseT Fast Ethernet, twisted pair (RJ-45) ■ Point-to-Point Protocol (PPP) ■ Multiple master browser support on ICA ■ Supports Citrix load balancing on ICA ■ SNMP support allows configuration of terminal settings, reporting of terminal configuration and attached devices, traps ■ DHCP support for automatic firmware upgrades and unit configuration
Communications	<ul style="list-style-type: none"> ■ Two serial ports: 16C550 UART (fifo) compatible, up to 115.2 kBaud ■ One parallel port: bi-directional Centronics-compatible, DB-25 ■ PCMCIA type II slot ■ One USB port⁴ ■ ICA remote dial-up via internal (PCMCIA) or external modem
Communication Protocols/ Terminal Emulations Supported	<ul style="list-style-type: none"> ■ RDP resident ■ ICA 3 protocol resident ■ See Table 16-1 for emulations supported
Server OS Compatibility/Support	<ul style="list-style-type: none"> ■ Microsoft Windows 2000 Server ■ Microsoft Windows NT Server 4.0, Terminal Server Edition ■ Citrix WinFrame ■ Citrix MetaFrame, the Citrix enhancement to Microsoft Windows NT Server 4.0, Terminal Server Edition ■ Citrix Device Services (included)

Table 44–2: Compaq Thin Client T1010 Specifications (Continued)

Description	Specification
Setup and Configuration	User Interface <ul style="list-style-type: none"> ■ Local boot ■ Start-up wizard for simple set-up ■ See Table 3-1 for keyboard languages supported Configuration <ul style="list-style-type: none"> ■ Configurable automatic login ■ Individual user account customization (scripting)
Physical Characteristics	<ul style="list-style-type: none"> ■ Height: 8.9 in. (226 mm) ■ Width: 2.4 in. (60 mm) ■ Depth: 6.9 in. (174 mm) ■ Shipping weight: 12.5 lbs (5.5 kg)
Environment	Temperature Range <ul style="list-style-type: none"> ■ Powered on: 32° to 104°F (0° to 40°C) ■ Powered off: –14° to 140°F (–10° to 60°C) ■ Convection cooling, fanless design Humidity <ul style="list-style-type: none"> ■ 20 to 80% noncondensing ■ Operating Altitude Range ■ 0 to 10,000 feet (0 to 3,050 meters)

Table 44–2: Compaq Thin Client T1010 Specifications (Continued)

Description	Specification
Power	<ul style="list-style-type: none">■ Worldwide auto-sensing 90-264 V ac, 47-63 Hz■ Energy-saving automatic power-down
Regulatory Compliance	<p>Ergonomics</p> <ul style="list-style-type: none">■ German ZH1/618■ EN29241-3 approved■ EPA Energy Star <p>Safety</p> <ul style="list-style-type: none">■ UL 1950, CSA 950■ TÜV-GS approved■ EN 60950 approved <p>RF Interference</p> <ul style="list-style-type: none">■ FCC Class B■ CE mark■ EN55022B■ VCCI

Footnotes:

¹ Monitor or speakers and microphone not included.

² Firmware to support this feature will be available in a future software release.

³ Keyboard not included with international models.

⁴ For supported peripherals, refer to <http://www.compaq.com>.

Turn off Autologin:

Press **F2** on your keyboard to invoke the **Terminal Properties** dialog box.

1. Click on the **Security** tab in the **Terminal Properties** dialog box.
2. Click (to uncheck) the **AutoLogin Enable** check box.
3. Click on the **OK** command button on the **Security** properties sheet to return to **Connection Manager**.

Check your terminal's build number and firmware revision:

Press **F2** on your keyboard to invoke the **Terminal Properties** dialog box.

1. Read the build number and firmware revision listed in **Version:** on the **General** properties sheet.
2. Click on any button on the **General** properties sheet to return to **Connection Manager**.

Adjust your mouse speed or change whether it is right- or left-handed:

Press **F2** on your keyboard to invoke the **Terminal Properties** dialog box.

1. Click on the **Input** tab in the **Terminal Properties** dialog box.
2. Click on the **Properties** command button in the **Mouse** group box on the **Input** properties sheet. This opens the **Mouse Properties** dialog box.
3. Use the **Button Configuration** radio buttons to select either **Right-handed** (default) or **Left-handed**.
4. Use the sliders in the **Pointer Acceleration** and **Pointer Speed** boxes to adjust your mouse speed.
5. Click on the **OK** command button on the **Mouse Properties** dialog box and click on **Close** on the **Terminal Properties** dialog box to return to **Connection Manager**.

Make a basic PPP connection:

1. Click on the **Configure** tab in the **Connection Manager** to invoke the **Configure** properties sheet.
2. Click on the **Add** command button on the **Configure** properties sheet to invoke the **New Connection** dialog box.
3. Select from the scroll list **Dial-Up Client**, then click **OK** to invoke the **Dial-Up Configuration Wizard**.
4. Set the minimum parameters for a dial up connection:
 - a. Enter a name for the connection in **Enter a Description for Dial-Up Connection:** text box in the first dialog box of the wizard.
 - b. Enter a telephone number in **Telephone Number** in the second dialog box of the wizard.

- c. Select in the second dialog box of the wizard:
 - Serial Port** (modem type)
 - Use Country Code and Area Code** (if appropriate)
 - Appropriate **Local Settings** and **Dialing Patterns** in the **Dialing Properties** dialog box (invoked by the **Dialing Properties** command button)
 - Appropriate **Port Settings** and **Call Options** in the **Device Properties** dialog box (invoked by the **Configure** command button)
- d. Select a connection from the **Select Connection Below to Launch After Dialing In** list box in the third dialog box of the wizard.
- e. Click on the **Finish** command button to return to the **Connection Manager**.

The connection will display in the **Connections** list.

Find a modem that works with your terminal:

Visit the following address to seeContact the manufacturer for a list of supported modems:

<http://www.compaq.com>

Switch between multiple sessions:

- Press **Ctrl+Alt+↑** to proceed to the previous session.
- Press **Ctrl+Alt+↓** to proceed to the next session.

Reset your terminal:

1. Press **F2** on your keyboard to invoke the **Terminal Properties** dialog box.
2. Click on (to check) the **Reset the Terminal to Factory Default Property Settings** check box.
3. Click on **Yes** in the **System Settings Change** dialog box.

The terminal is reset to factory defaults.



If the above reset procedure fails, call the manufacturer's technical support for instructions on using a hot-key reset procedure.

Determine the size of the onboard memory:

1. Press **F2** on your keyboard to invoke the **Terminal Properties** dialog box.
2. Read the firmware revision number listed in **RAM:** on the **General** properties sheet.
3. Click on the Close command button on the **General** properties sheet to return to **Connection Manager**.

Configure a local printer:

If you are using the Winframe 1.7/ICA platform:

1. Log in to your WinFrame server.
2. Click on **Print Manager** in **Program Manager**.
3. Click on **Connect to Printer** on the **Printer** menu.
4. Click on **Client Network**, then **Client** on the **Shared Printer** menu.
5. Select your <clientname#port>, then click on **OK**.



A **Use Printer Configuration Utility** check box is encountered in two places: **Connection Manager | Edit | Edit Connection Details | Options tab** and **Connection Manager | Add | Wizard** leading to **Printing, Compression, Cache, Encryption and Sound** dialog box. The box is checked by default. Uncheck the box if you desire to use the standard Windows printer setup. Also un-check the box for CDS printing.

If you are using the MetaFrame 1.0/ICA platform:

1. Log in to your MetaFrame server.
2. Click on **My Computer** in the **ICA Session** dialog box.
3. Click on **Printers**, then **Add Printer**.
4. Select **Network Printer Server**, then click **Next**.
5. Click on **Client Network**, then **Client** in the **Shared Printers** dialog box.
6. Select your <clientname#port>, then click on **OK**.
7. Click **Next**, then **Finish**.

If you are using a WinFrame 1.8 or MetaFrame 1.8/ICA platform:

1. Log in to your **MetaFrame** server.
2. If it is a **MetaFrame** server:
 - a. Click on **Start**, then **Programs**.
 - b. Click on **MetaFrame**, then **Tools**.
 - c. Click on **ICA Client Printer Configuration**.
3. If it is a **WinFrame** server:
 - a. Click on **ICA Client Printer Configuration** in the **Administrative Tools** program group in the **Program Manager**.
4. Click on **New** on the **Printer** menu to display the **Add ICA Client Printer** wizard.
5. Follow the steps of the wizard to add your local printer.

Terminal Port Pin Assignments



This chapter applies only to the Compaq T1010 terminals.

The following two figures show the pin assignments for the serial and parallel ports. These ports are located on the back panel of your terminal. See Terminal Installation for information about terminal back panels.

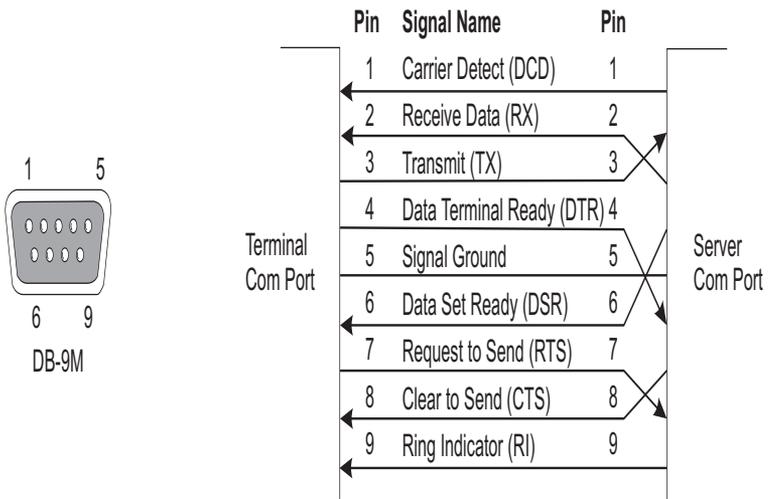


Figure 46–1: Serial Port

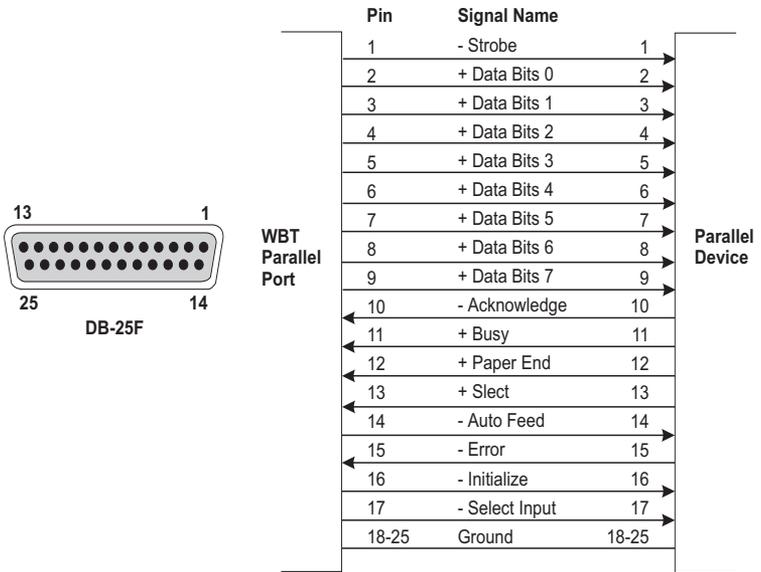


Figure 46–2: Parallel Port (EPP/SPP)



The pin assignments for Terminal Parallel Port above are Centronics-compatible. The pin assignments for Parallel Device above are the standard pin assignments for a parallel device.

Terminal Connector Pin Assignments

The following figure shows the pin assignments for the 10Base-T and 100Base-T connector. This connector is located on the back panel of your terminal. See “Terminal Features” for information about the back panel.



It is recommended that you use Category 5 twisted-pair cable to connect your terminal to a hub.

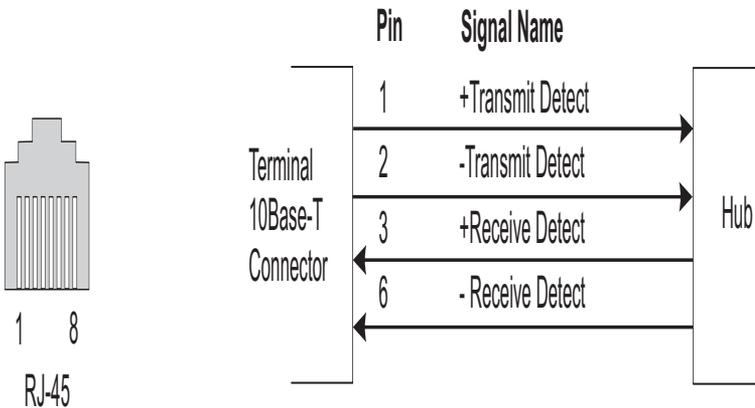


Figure 47–1: 10Base-T and 100Base-T Connector

The following figure lists the connector pin assignments for the terminal’s VGA connector. This connector is located on the back panel of your terminal. See “Terminal Features” for information about the back panel.

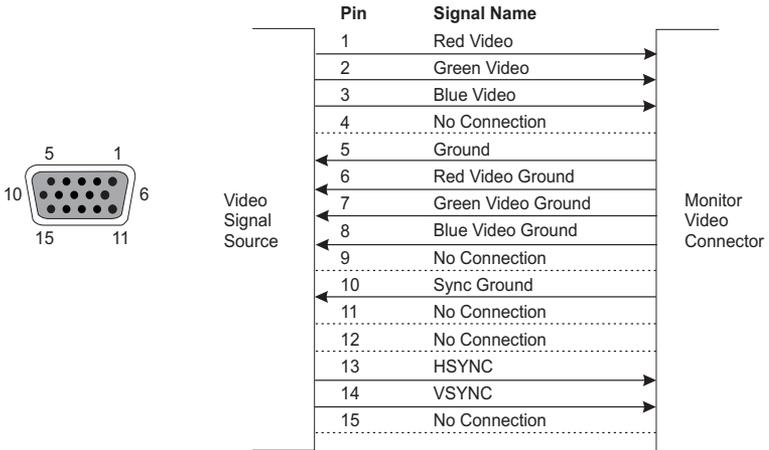


Figure 47–2: VGA Connector



This section applies only to the Evo Thin Client T20 terminals.

The following figure lists the connector pin assignments for the terminal’s USB connectors. These connectors are located on the back panel of your terminal. See “Terminal Features” for information about the back panel.

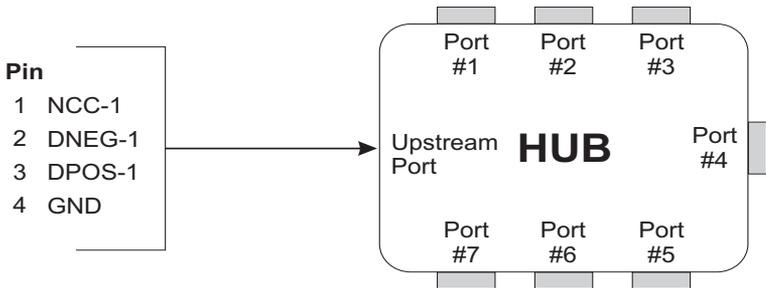


Figure 47–3: USB Connector

Null Modem Cable Pin Assignments

Table 48–1 outlines the pin assignments for a 9-pin serial port to a 25-pin serial port null modem cable.

Table 48–1: Null Modem Cable Pin Assignments

25 Pin	9 Pin
2 (transmit data)	2 (receive data)
3 (receive data)	3 (transmit data)
4 (request to send)	8 (clear to send)
5 (clear to send)	7 (request to send)
6, 8 (data set ready, carrier detect)	4 (data terminal ready)
7 (ground)	5 (ground)
20 (data terminal ready)	6, 1 (data set ready, carrier detect)



All other pins on either connector of the cable are not used.

Modem AT Commands

The tables of this section list typical modem AT command sets.

Table 49–1: AT Commands with No Lead-in Character

Command	Description
B, B0	ITU-T (CCITT) V.22 mode when at 1200 bps; V.21 at 300 bps
E1	Enable character echo to terminal in command mode
H, H0	Go on-hook (hang up)
N1	Connection speed set to highest possible DCE rate, Automode
Q, Q0	Modem returns result codes (Quiet disabled)
T	Tone dialing
V1	Full-word result codes (Verbose enabled)
W2	Negotiation progress codes disabled. Result code is DCE rate
X4	Modem recognizes dialtone and busy, CONNECT nnnn result code enabled
Y, Y0	Disable long-space disconnect
Z, Z0	Reset modem and recall User Profile 0

Table 49–2: AT Commands Beginning with “&”

Command	Description
&B1	Disable port rate adjust
&C1	Carrier detect follows data carrier
&D2	Hang up and go to command mode during On-to-Off DTR transition
&F, &F0	Recall factory settings as active configuration
&M0	Asynchronous mode
&N, &N0	Microcom QX/4232hs-compatible numeric result codes displayed
&Q5	Error Correction Mode V.42=> MNP=> Async
&T4	Grant request from remote for remote digital loopback test
&U1	Data compression enabled
&V	View active configuration, profiles (0,1), and numbers
&W, &W0	Save active configuration as User Profile 0
&Y, &Y0	Recall User Profile 0 on power-up

Table 49–3: AT Commands Beginning with “\”

Command	Description
\A3	Maximum MNP block size = 256 characters
\G, \G0	Disable port flow control DCE to DCE
\J, \J0	Disable port rate adjust
\L, \L0	MNP stream link
\N7	Set Auto-reliable mode (LAPM with fallback to MNP, then to normal)
\Q3	Bidirectional hardware flow control

Table 49–3: AT Commands Beginning with “\” (Continued)

Command	Description
\S	Display current Configuration, Long Version
\V, \V0	Disable /REL connect codes
\X, \X0	XON/XOFF pass-through disabled

Table 49–4: AT Commands Beginning with “%”

Command	Description
%C1	Data compression requested (V.42bis in LAPM, MNP5 in MNP)
%E, %E0	Disable Auto-retrain
%L	Report Line Signal Level in -dBm
%Q	Report Line Signal Quality
%R	Display all S registers
%V	Display firmware version

Noise Suppressor Installation

A noise suppressor (ferrite bead) must be installed on the network cable of your terminal. This installation is necessary to maintain compliance with US FCC B limits and European CISPR B EN55022 Class B limits. The noise suppressor is supplied by the manufacturer and is packed in your terminal's shipping carton.

Figure 50–1 shows the noise suppressor.

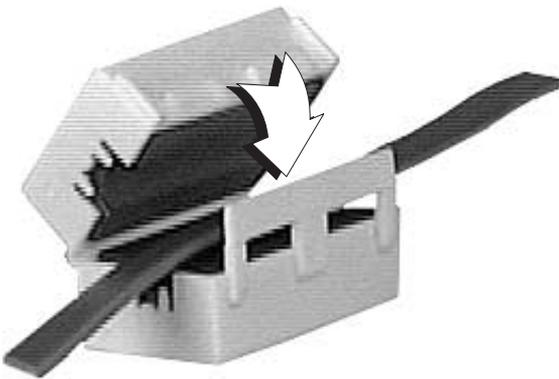


Figure 50–1: Noise Suppressor

To install:

1. Open the casing.
2. Fit the casing over the network cable, as close as possible to the back of the cable's connector.
3. Snap the casing shut.

SNMP Remote Configuration Chart

The following chart is provided to help network administrators make remote configuration changes to WBTs in a managed network. These changes are made by physically writing to the managed devices using the logical objects listed in the MIB as reference. This chart lists:

- The lower-most subgroup the logical object belongs to
- The object's name
- What can be written to the object
- Where the UI is modified by the write



For detailed information about each MIB group and its objects see the sections SNMP and DHCP Groups, Physical Devices Groups, and Network and Connections Groups in the network administrator's guide.

You can use Remote Administrator 3000 or an SNMP management tool and the following chart to remotely affect changes to the terminals in your network.

For the Logical Object...	You Can Write...	To Modify...
wbt3l/ODevice Group		
wbt3kbLanguage	Any of the following numbers: 0 = English-US 1 = English-UK 2 = French 3 = German 4 = Spanish 5 = Italian 6 = Swedish 7 = Danish 8 = Norwegian 9 = Dutch 10 = Belgian-French 11 = Finnish 12 = Swiss-French 13 = Swiss-German 14 = Japanese 15 = Canadian-French 16 = Belgian-Dutch 17 = Portuguese 18 = Brazilian-ABNT 19 = Italian-142 20 = Latin-American 21 = US-International 22 = Canadian-Fr-Multi 23 = Canadian-Eng-Multi 24 = Spanish-Variation	The Locale scroll list on the Input properties sheet

For the Logical Object...	You Can Write...	To Modify...
wbt3CharacterRepeatDelay	Any following number (in milliseconds): 250 500 750 1000	The Repeat Delay slide control on the Input properties sheet
wbt3CharacterRepeatRate	Any integer from 0 to 31	The Repeat Rate slide control on the Input properties sheet
wbt3Display Group		
wbt3EnergySaver	Any following number: 0 = none 1 = use a screen saver 2 = use monitor off	The Screen Saver and Turn Off Monitor radio buttons on the Display properties sheet
wbt3ScreenTimeOut	Any integer from 1 to 1440	The Wait scroll list on the Display properties sheet
wbt3TouchScreen	Any following number: 0 = no touchscreen 1 = use Com1 2 = use Com2	The Port scroll list in the MicroTouch Touchscreen Properties dialog box
wbt3DispCharacteristic Group		

For the Logical Object...	You Can Write...	To Modify...
wbt3DispFreq  This cannot be set if DDC is used.	Any following number (in Hz): 60 75 85	The Desktop Area and Refresh Frequency scroll list on the Display properties sheet
wbt3DispHorizPix	Any following number (in pixels): 640 800 1024 1280	The Desktop Area and Refresh Frequency scroll list on the Display properties sheet
wbt3DispVertPix	Any following number (in pixels): 480 600 768 1024	The Desktop Area and Refresh Frequency scroll list on the Display properties sheet
wbt3DispUseDDC	Any following number: 0 = do not use DDC 1 = use DDC	The Desktop Area and Refresh Frequency scroll list on the Display properties sheet
wbt3DHCPoptionIDs Group		

For the Logical Object...	You Can Write...	To Modify...
RemoteServer	Any integer that corresponds to a DHCP option to change the default Option 155 to another option	The Remote Server field in the Change DHCP Option ID's dialog box
LogonUserName	Any integer that corresponds to a DHCP option to change the default Option 156 to another option	The Logon User Name field in the Change DHCP Option ID's dialog box
Domain	An integer that corresponds to a DHCP option to change the default Option 157 to another option	The Domain field in the Change DHCP Option ID's dialog box
Password	An integer that corresponds to a DHCP option to change the default Option 158 to another option	The Logon Password field in the Change DHCP Option ID's dialog box
CommandLine	An integer that corresponds to a DHCP option to change the default Option 159 to another option	The Command Line field in the Change DHCP Option ID's dialog box
WorkingDirectory	An integer that corresponds to a DHCP option to change the default Option 160 to another option	The Working Directory field in the Change DHCP Option ID's dialog box
FTPFileServer	An integer that corresponds to a DHCP option to change the default Option 161 to another option	The File Server field in the Change DHCP Option ID's dialog box

For the Logical Object...	You Can Write...	To Modify...
FTPRootPath	An integer that corresponds to a DHCP option to change the default Option 162	The File Root Path field in the Change DHCP Option ID's dialog box
TrapServerList	An integer that corresponds to a DHCP option to change the default Option 163 to another option	The Trap Server IP List field in the Change DHCP Option ID's dialog box
SetCommunity	An integer that corresponds to a DHCP option to change the default Option 164 to another option	The Set Community field in the Change DHCP Option ID's dialog box
RDPStartupApp	An integer that corresponds to a DHCP option to change the default Option 165 to another option	The Startup Application field in the Change DHCP Option ID's dialog box
EmulationMode	An integer that corresponds to a DHCP option to change the default Option 166 to another option	The Emulation Mode field in the Change DHCP Option ID's dialog box
TerminalID	An integer that corresponds to a DHCP option to change the default Option 167 to another option	The Terminal ID field in the Change DHCP Option ID's dialog box

For the Logical Object...	You Can Write...	To Modify...
VirtualPortServer	An integer that corresponds to a DHCP option to change the default Option 168 to another option	The Server field in the Change DHCP Option ID's dialog box
wbt3CustomFields Group		
wbt3CustomField1	Any alphanumeric character to a text string using a maximum of 60 characters	The Field 1: text box in the SNMP Network Administration dialog box
wbt3CustomField2	Any alphanumeric character to a text string using a maximum of 60 characters	The Field 2: text box in the SNMP Network Administration dialog box
wbt3CustomField3	Any alphanumeric character to a text string using a maximum of 60 characters	The Field 3: text box in the SNMP Network Administration dialog box
wbt3Administration Group		
wbt3SNMPupdate	Any following integer: 0 = not checked 1 = checked	The SNMP Update Enable check box on the Apps properties sheet
wbt3DHCPupdate	Any following integer: 0 = not checked 1 = checked	The DHCP Automatic Update Enable check box on the Apps properties sheet

For the Logical Object...	You Can Write...	To Modify...
wbt3UpDnLoad Group		
wbt3UpDnLoadNum	Any integer from 1 to 5	This object does not correspond to any fields in the UI
wbt3AcceptReq	Any following integer: 0 = request not accepted 1 = request accepted	This object does not correspond to any fields in the UI
wbt3SubmitLoadJob	Any following integer: 0 = job not ready 1 = job ready	This object does not correspond to any fields in the UI
wbt3UpDnLoadIndex	Any integer from 0..UpDnLoadNum	This object does not correspond to any fields in the UI
wbt3UpDnLoadId	Any alphanumeric character to a text string	This object does not correspond to any fields in the UI
wbt3UpDnLoadOp	Any following integer: 0 = request upload 1 = request download	This object does not correspond to any fields in the UI

For the Logical Object...	You Can Write...	To Modify...
wbt3UpDnLoadSrcFile	Any alphanumeric character to a text string	This object does not correspond to any fields in the UI
wbt3UpDnLoadDstFile	Any alphanumeric character to a text string	This object does not correspond to any fields in the UI
wbt3UpDnLoadFileType	Any following integer: 0 = binary 1 = ASCII	This object does not correspond to any fields in the UI
wbt3UpDnLoadProtocol	Any following integer: 0 = FTP 1 = TFTP	This object does not correspond to any fields in the UI
wbt3UpDnLoadFServer	Any alphanumeric character to a text string	This object does not correspond to any fields in the UI
wbt3UpDnLoadTimeFlag	0 = immediate execution	This object does not correspond to any fields in the UI
<hr/> wbt3Action Group <hr/>		

For the Logical Object...	You Can Write...	To Modify...
wbt3RebootRequest	Any following integer: 0 = do not reboot 1 = reboot	This object does not correspond to any fields in the UI
wbt3ResetToFactoryDefault	Any following integer: 0 = not checked 1 = checked	The Reset the Terminal to Factory Default Property Settings check box on the General properties sheet
wbt3FTPSettings Group		
wbt3ServerName	Any alphanumeric character to a text string	The Server Name text box on the Upgrade properties sheet
wbt3Directory	Any alphanumeric character to a text string	The Server Directory text box on the Upgrade properties sheet
wbt3UserID	Any alphanumeric character to a text string	The User ID text box on the Upgrade properties sheet

For the Logical Object...	You Can Write...	To Modify...
wbt3Password	Any alphanumeric character to a text string	The Password text box on the Upgrade properties sheet
wbt3SavePassword	Any following integer: 0 = unchecked 1 = checked	The Save Password check box on the Upgrade properties sheet
wbt3InfoLocation	Any alphanumeric character to a text string	The Status text box on the Upgrade properties sheet
wbt3Security Group		
wbt3SecurityEnable	Any following integer: 0 = unchecked 1 = checked	The Security Enable check box on the Security properties sheet
wbt3HideConfigTab	Any following integer: 0 = unchecked 1 = checked	The Hide Configure Tab check box on the Security properties sheet
wbt3FailOverEnable	An integer, select: 0 = unchecked 1 = checked	The Failover Enable check box on the Security properties sheet

For the Logical Object...	You Can Write...	To Modify...
wbt3MultipleConnect	Any following integer: 0 = unchecked 1 = checked	The Multiple Connect check box on the Security properties sheet
wbt3PingBeforeConnect	Any following integer: 0 = unchecked 1 = checked	The Ping Before Connect check box on the Security properties sheet
wbt3Verbose	Any following integer: 0 = unchecked 1 = checked	The Verbose check box on the Security properties sheet
wbt3AutoLoginEnable	Any following integer: 0 = unchecked 1 = checked	The Autologin Enable check box on the Security properties sheet
wbt3AutoLoginUserName	Any alphanumeric character to a text string	The User Name scroll list on the Security properties sheet
wbt3SingleButtonConnect	Any following integer: 0 = unchecked 1 = checked	The Single Button Connect check box on the Security properties sheet

For the Logical Object...	You Can Write...	To Modify...
wbt3AutoFailRecovery	Any following integer: 0 = unchecked 1 = checked	The Auto Fail Recovery check box on the Security properties sheet
wbt3TrapServers Group		
wbt3TrapServer1	Any alphanumeric character to a text string using a maximum of 60 characters	The Server 1 text box in the SNMP Network Administration dialog box
wbt3TrapServer2	Any alphanumeric character to a text string using a maximum of 60 characters	The Server 2 text box in the SNMP Network Administration dialog box
wbt3TrapServer3	Any alphanumeric character to a text string using a maximum of 60 characters	The Server 3 text box in the SNMP Network Administration dialog box
wbt3TrapServer4	Any alphanumeric character to a text string using a maximum of 60 characters	The Server 4 text box in the SNMP Network Administration dialog box
wbt3Network Group		

For the Logical Object...	You Can Write...	To Modify...
wbt3dhcpEnable	Any following integer: 0 = unchecked 1 = checked	The Obtain an IP Address From a DHCP Server/Specify an IP Address radio buttons on the Network properties sheet
wbt3NetworkAddress	Any alphanumeric character to a text string	The IP Address text box on the Network properties sheet
wbt3SubnetMask	Any alphanumeric character to a text string using a maximum of 60 characters	The Subnet Mask text box on the Network properties sheet
wbt3Gateway	Any alphanumeric character to a text string using a maximum of 255 characters	The Gateway text box on the Network properties sheet
wbt3dnsEnable	Any following integer: 0 = unchecked 1 = checked	The Enable DNS check box in the Advanced Network Settings dialog box

For the Logical Object...	You Can Write...	To Modify...
wbt3defaultDomain	Any alphanumeric character to a text string using a maximum of 255 characters	The Default Domain text box in the Advanced Network Settings dialog box
wbt3primaryDNSserverIPAddress	Any alphanumeric character to a text string using a maximum of 255 characters	The Primary Server IP Address text box in the Advanced Network Settings dialog box
wbt3secondaryDNSserverIPAddress	Any alphanumeric character to a text string using a maximum of 255 characters	The Secondary Server IP Address text box in the Advanced Network Settings dialog box
wbt3winsEnable	Any alphanumeric character to a text string using a maximum of 255 characters	The Enable WINS check box in the Advanced Network Settings dialog box

For the Logical Object...	You Can Write...	To Modify...
wbt3primaryWINSserverIPaddress	Any alphanumeric character to a text string using a maximum of 255 characters	The Primary Server IP Address (Enable WINS) text box in the Advanced Network Settings dialog box
wbt3secondaryWINSserverIPaddress	Any alphanumeric character to a text string using a maximum of 255 characters	The Secondary Server IP Address (Enable WINS) text box in the Advanced Network Settings dialog box
wbt3NetworkSpeed	Any following integer: 0 = Auto-detect 6 = 100Mbs-full duplex 7 = 100Mbs-half duplex 8 = 10Mbs-full duplex 9 = 10Mbs-half duplex	The Network Speed scroll list on the Network properties sheet
wbt3Apps Group		
wbt3RDPEncryption	Any following integer: 0 = checked 1 = unchecked	The RDP Encryption Enable check box on the Apps properties sheet

For the Logical Object...	You Can Write...	To Modify...
wbt3VirtualPortServerIPAddress	Any alphanumeric character to a text string using a maximum of 255 characters	The Virtual Port Server text box on the Apps properties sheet
wbt3com1Share	Any following integer: 0 = checked 1 = unchecked	The Com1 Enable check box on the Apps properties sheet
wbt3com2Share	Any following integer: 0 = checked 1 = unchecked	The Com2 Enable check box on the Apps properties sheet
wbt3parallelShare	Any following integer: 0 = checked 1 = unchecked	The LPT1 Enable check box on the Apps properties sheet
ICAStatusDialog	Any following integer: 0 = ctrl 1 = shift	The Status Dialog scroll list on the Hotkeys properties sheet

For the Logical Object...	You Can Write...	To Modify...
ICAStatusDialog2	Any integer from 0..9	The number scroll list to the right of the Status Dialog scroll list on the Hotkeys properties sheet
ICACloseRemoteApplication	Any following integer: 0 = ctrl 1 = shift	The Close Session scroll list on the Hotkeys properties sheet
ICACloseRemoteApplication2	Any integer from 0–9	The number scroll list to the right of the Close Session scroll list on the Hotkeys properties sheet
ICAtoggleTitleBar	Any following integer: 0 = ctrl 1 = shift	The Toggle Title Bar scroll list on the Hotkeys properties sheet
ICAtoggleTitleBar2	Any integer from 0..9	The number scroll list to the right of the Toggle Title Bar scroll list on the Hotkeys properties sheet

For the Logical Object...	You Can Write...	To Modify...
ICActrlAltDel	0 = ctrl	The CTRL-ALT-DEL scroll list on the Hotkeys properties sheet
ICActrlAltDel2	Any integer from 0–9	The number scroll list to the right of the CTRL-ALT-DEL scroll list on the Hotkeys properties sheet
ICActrlEsc	0 = ctrl	The CTRL-ESC scroll list on the Hotkeys properties sheet
ICActrlEsc2	Any integer from 0–9	The number scroll list to the right of CTRL-ESC scroll list on the Hotkeys properties sheet
ICAaltEsc	Any following integer: 0 = ctrl 1 = shift	The ALT-ESC scroll list on the Hotkeys properties sheet

For the Logical Object...	You Can Write...	To Modify...
ICAaltEsc2	Any integer from 0–9	The number scroll list to the right of the ALT-ESC scroll list on the Hotkeys properties sheet
ICAaltTab	Any following integer: 0 = ctrl 1 = shift	The ALT-TAB scroll list on the Hotkeys properties sheet
ICAaltTab2	Any integer from 0–9	The number scroll list to the right of the ALT-TAB scroll list on the Hotkeys properties sheet
ICAaltBackTab	Any following integer: 0 = ctrl 1 = shift	The ALT-BACKTAB scroll list on the Hotkeys properties sheet
ICAaltBackTab2	Any integer from 0–9	The number scroll list to the right of the ALT-BACKTAB scroll list on the Hotkeys properties sheet
<hr/> wbt3Connections Group <hr/>		

For the Logical Object...	You Can Write...	To Modify...
wbt3ConnectionName	Any alphanumeric character to a text string: RDP = 37 characters maximum ICA = 32 characters maximum TEC = 42 characters maximum DialUp = 20 characters maximum	The Connection Name list in the Connection Manager
wbt3ConnectionType	Any following integer: 0 = RDP 1 = ICA 2 = TEC 3 = DialUp	The Type list in the Connection Manager
wbt3ConnectionEntryStatus	Any following integer: 1 = active 2 = not in service 3 = not ready 4 = create and go 5 = create and wait 6 = destroy	The Connection Name list in the Connection Manager
wbt3RDPConnections Group		
wbt3RDPConnServer	Any alphanumeric character to a text string using a maximum of 32 characters	The Server text box in the WTS Connection Wizard (number 1)

For the Logical Object...	You Can Write...	To Modify...
wbt3RDPCConnLowSpeed	Any following integer: 0 = not checked 1 = checked	The Low Speed Connection check box in WTS Connection Wizard (number 1)
wbt3RDPCConnAutoLogon	Any following integer: 0 = not checked 1 = checked	The Automatic Logon check box in WTS Connection Wizard (number 2)
wbt3RDPCConnUserName	Any alphanumeric character to a text string using a maximum of 32 characters	The Username text box in WTS Connection Wizard (number 2)
wbt3RDPCConnDomain	Any alphanumeric character to a text string	The Domain text box in WTS Connection Wizard (number 2)
wbt3RDPCConnStartApplication	Any following integer: 0 = desktop 1 = file name	The Desktop/Application File Name radio buttons in WTS Connection Wizard (number 3)

For the Logical Object...	You Can Write...	To Modify...
wbt3RDPCConnFilename	Any alphanumeric character to a text string using a maximum of 32 characters	The Application File Name text box in WTS Connection Wizard (number 3)
wbt3RDPCConnWorkingDir	Any alphanumeric character to a text string using a maximum of 32 characters	The Working Directory text box in WTS Connection Wizard (number 3)
wbt3ICACConnCommType	The integer 0 = ctrl	The Network Connection/Dialog-In Connection radio buttons in the Specify Connection Type dialog box
wbt3ICACConnServer	Any alphanumeric character to a text string	The Citrix Server/Published Application text box in the Select a Citrix Server or Published Application dialog box
wbt3ICACConnCommandLine	Any alphanumeric character to a text string	The Command Line text box in the Specify an Application dialog box

For the Logical Object...	You Can Write...	To Modify...
wbt3ICAConnWorkingDir	Any alphanumeric character to a text string	The Working Directory text box in the Specify an Application dialog box
wbt3ICAConnUsername	Any alphanumeric character to a text string	The Username text box in the Specify Logon Information dialog box
wbt3ICAConnDomain	Any alphanumeric character to a text string	The Domain text box in the Specify Logon Information dialog box
wbt3ICAConnColors	Any following integer: 0 = 16 1 = 256	The Windows Colors radio buttons in the Select Window Options dialog box
wbt3ICAConnDataCompress	Any following integer: 0 = not checked 1 = checked	The Compress Data Stream check box in the Compression, Cache, Encryption and Sound dialog box

For the Logical Object...	You Can Write...	To Modify...
wbt3ICAConnSoundQuality	Any following integer: 0 = (none) 1 = low quality 2 = medium quality 3 = high quality	The Sound Quality scroll list in the Compression, Cache, Encryption and Sound dialog box
wbt3TermConnCommType	The integer 0 = network	The TCP/IP/Modem /Serial radio buttons in the TE Client Connection Wizard - Host Information dialog box
wbt3TermConnServer	Any alphanumeric character to a text string using a maximum of 32 characters	The Connection Name text box in the TE Client Connection Wizard - Connection Information dialog box

For the Logical Object...	You Can Write...	To Modify...
wbt3TermConnEmuType	Any following integer: 0 = VT52 1 = VT100 2 = VT220 3 = VT400-7-Bit 4 = VT400-8-Bit 5 = ANSI-BBS 6 = SCO Console 7 = IBM3270 8 = IBM3151 9 = IBM5250 10 = WY50 11 = WY50+ 12 = TV1910 13 = TV1920 14 = TV1925 15 = ADDS-A2 16 = HZ1500 17 = WY60	The Emulation scroll list in the TE Client Connection Wizard - Connection Information dialog box
wbt3TermConnVTEmuModel	0 = VT100 1 = VT101 2 = VT102 3 = VT125 4 = VT220 5 = VT240 6 = VT320 7 = VT340 8 = VT420 9 = VT131 10 = VT132 256 = not applicable	The VT Terminal ID scroll list in the TE Client Connection Wizard - Connection Information dialog box

For the Logical Object...	You Can Write...	To Modify...
wbt3TermConnIBM3270 EmuModel	0 = IBM3278-2 1 = IBM3278-3 2 = IBM3278-4 3 = IBM3278-5 4 = IBM3278-2-E 5 = IBM3278-3-E 6 = IBM3278-4-E 7 = IBM3278-5-E 8 = IBM3279-2 9 = IBM3279-3 10 = IBM3279-4 11 = IBM3279-5 12 = IBM3287-1 256 = not applicable	The IBM 3270 Model scroll list in the TE Client Connection Wizard - Connection Information dialog box
wbt3TermConnIBM5250 EmuModel	0 = IBM5291-1 1 = IBM5292-2 2 = IBM5251-11 3 = IBM3179-2 4 = IBM3196-4 5 = IBM3180-2 6 = IBM3477-FC 7 = IBM3477-FG 8 = IBM3486-BA 9 = IBM3487-BA 10 = IBM3487-HC 11 = not applicable	The IBM 5250 Model scroll list in the TE Client Connection Wizard - Client Information dialog box
wbt3TermConnPortNumber	Any integer from 1 to 65535	The Port Number text box in the TCP/IP Telnet Configuration dialog box

For the Logical Object...	You Can Write...	To Modify...
wbt3TermConnTelnetName	Any alphanumeric character to a text string	The Connection Name text box in the Connection Information dialog box
wbt3TermConnPrinterPort	The integer 0 = LPT1	The Printer Port scroll list in the TE Client Connection Wizard - Printer Port Settings dialog box
wbt3TermConnFormFeed	Any following integer: 0 = not checked 1 = checked	The FormFeed Terminator check box in the TE Client Connection Wizard - Printer Port Settings dialog box
wbt3TermConnAutoLineFeed	Any following integer: 0 = not checked 1 = checked	The Auto Line Feed check box in the TE Client Connection Wizard - Printer Port Settings dialog box

For the Logical Object...	You Can Write...	To Modify...
wbt3TermConnScript	Any alphanumeric character to a text string	The Script text box in the TE Client Connection Wizard - Automate Login Process dialog box
<hr/> wbt3Users Group		
wbt3UsersStatus	Any following integer: 1 = active 2 = not in service 3 = not ready 4 = create and go 5 = create and wait 6 = destroy	This object does not correspond to any fields in the UI.
wbt3UserName	Any alphanumeric character to a text string using a maximum of 20 characters	The User Name text box in the Add User Account and Modify User Account dialog boxes
wbt3password	Any alphanumeric character to a text string	The Password text box in the Add User Account and Modify User Account dialog boxes

For the Logical Object...	You Can Write...	To Modify...
wbt3privilege	Any following integer: 0 = admin 1 = user 2 = guest	The Administrator/ User/Guest radio buttons in the Add User Account and Modify User Account dialog boxes
wbt3Connection1	Any alphanumeric character to a text string using a maximum of 20 characters	The first connection listed in the Connection Name list in the Add User Account and Modify User Account dialog boxes
wbt3Connection2	Any alphanumeric character to a text string using a maximum of 20 characters	The second connection listed in the Connection Name list in the Add User Account and Modify User Account dialog boxes

For the Logical Object...	You Can Write...	To Modify...
wbt3Connection3	Any alphanumeric character to a text string using a maximum of 20 characters	The third connection listed in the Connection Name list in the Add User Account and Modify User Account dialog boxes
wbt3Connection4	Any alphanumeric character to a text string using a maximum of 20 characters	The fourth connection listed in the Connection Name list in the Add User Account and Modify User Account dialog boxes
wbt3Connection5	Any alphanumeric character to a text string using a maximum of 20 characters	The fifth connection listed in the Connection Name list in the Add User Account and Modify User Account dialog boxes

For the Logical Object...	You Can Write...	To Modify...
wbt3Connection6	Any alphanumeric character to a text string using a maximum of 20 characters	The sixth connection listed in the Connection Name list in the Add User Account and Modify User Account dialog boxes
wbt3Connection7	Any alphanumeric character to a text string using a maximum of 20 characters	The seventh connection listed in the Connection Name list in the Add User Account and Modify User Account dialog boxes
wbt3Connection8	Any alphanumeric character to a text string using a maximum of 20 characters	The eighth connection listed in the Connection Name list in the Add User Account and Modify User Account dialog boxes

For the Logical Object...	You Can Write...	To Modify...
wbt3AutoStart1	Any following integer: 0 = not checked 1 = checked	The first entry listed in the AutoStart list in the Add User Account and Modify User Account dialog boxes
wbt3AutoStart2	Any following integer: 0 = not checked 1 = checked	The second entry listed in the AutoStart list in the Add User Account and Modify User Account dialog boxes
wbt3AutoStart3	Any following integer: 0 = not checked 1 = checked	The third entry listed in the AutoStart list in the Add User Account and Modify User Account dialog boxes
wbt3AutoStart4	Any following integer: 0 = not checked 1 = checked	The fourth entry listed in the AutoStart list in the Add User Account and Modify User Account dialog boxes

For the Logical Object...	You Can Write...	To Modify...
wbt3AutoStart5	Any following integer: 0 = not checked 1 = checked	The fifth entry listed in the AutoStart list in the Add User Account and Modify User Account dialog boxes
wbt3AutoStart6	Any following integer: 0 = not checked 1 = checked	The sixth entry listed in the AutoStart list in the Add User Account and Modify User Account dialog boxes
wbt3AutoStart7	Any following integer: 0 = not checked 1 = checked	The seventh entry listed in the AutoStart list in the Add User Account and Modify User Account dialog boxes

For the Logical Object...	You Can Write...	To Modify...
wbt3AutoStart8	Any following integer: 0 = not checked 1 = checked	The eighth entry listed in the AutoStart list in the Add User Account and Modify User Account dialog boxes
wbt3UserPasswordChange	Any following integer: 0 = not checked 1 = checked	The Enable Password Change check box in the Add User Account and Modify User Account dialog box.



This chart may not list all of the read-write objects in the MIB.

NFuse Server Configuration Requirements

Introduction

Firmware version 3.5 introduces two new methods for accessing ICA published applications:

- Program neighborhood light (PNLite) (see “ICA Client Settings”)
- Browser based access, in which an NFuse server provides ICA links within a Web page to allow ICA sessions to be launched from within a browser window (see “Internet Explorer Connections”).

Both facilities rely on the Citrix NFuse capability set. Before the terminal can provide either of these services, NFuse must be installed and licensed on the Citrix server.

PNLite Access

When PNLite is initially configured on the server, the installer must designate a port to be used for telling clients about the published applications. Each client must have this port configured using the PNLite tab of the ICA global settings configuration (see “ICA Client Settings”). Once set up, all applications published through this mechanism on the designated server will appear as automatically configured connections in the **Connection Manager** window. The list of published applications/automatic connections is refreshed every time the terminal is rebooted.

Browser-Based Access

Publication of applications using a web page may be set up using the Citrix NFuse Web site wizard. There are two limitations in using this facility with the local browser installed on a Compaq thin client terminal.

1. The Citrix wizard will generate a page named default.htm that will cause a failure in the version of Internet Explorer included with software version 3.5. The generated page attempts to display a pop-up browser window. The Internet Explorer version on the terminal does not support this capability and the browser simply displays a blank page with a small red X in the upper left corner. There are several ways to avoid this problem:
 - Instruct users to reference the explicit URL `http://<servername>/login.htm`
 - Remove the page named default.htm and rename the page named login.htm to default.htm
 - Using the Internet Information Service (IIS) management facility, insert the page named login.htm into the list of default pages and then promote it to the first position in the list.

The individual site requirements will dictate which is the best choice.

2. An additional configuration requirement results from the fact that the Internet Explorer version on the terminal does not support Microsoft's ActiveX. If the server is configured to launch applications embedded within the browser window, the terminal's attempt to access these applications will fail. The Web site must be configured to launch applications in a separate window. This will result in running the ICA client code resident on the terminal to create the window for accessing the published applications.

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