



Color Scanner User's Guide

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
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Welcome!

The EPSON® GT-10000+ is a 36-bit, large-format professional scanner that delivers superior results and versatility for business users and graphic artists alike. It's ideally suited for small LAN (local area network) users who want to share a scanner within their workgroup. Using EPSON's ColorTrue® Imaging System, the scanner captures text and images with amazing detail and accurate colors. Its 600 × 2400 dpi optical resolution and 11.7 × 17-inch scan bed let you quickly capture incredibly sharp images from practically any size source document.

Your EPSON GT-10000+ scanner includes these features:

- EPSON scanner software lets stand-alone users or network clients control scanning directly from their workstation.
- Large scan bed and optional auto document feeder let you quickly scan anything from a two-page book spread to a double-sided, 50-page document.
- Convenient  Start button on the scanner lets you place your document and start your scan, then automatically send the scanned image back to your workstation.
- Powerful batch scanning capability lets you scan multiple documents of various types in one pass, and even scan them directly to files.
- 36-bit color depth and 600 × 2400 optical resolution lets you capture crisp, clean text and high-quality images with millions of colors and thousands of shades of gray.
- Includes PCI SCSI interface board for use on a Microsoft® Windows® system or network. Or, you can use an optional IEEE 1394 scanner interface card for fast throughput.

About Your Software

The EPSON GT-10000+ comes with these leading-edge applications:



EPSON TWAIN Pro

General-purpose driver for scanning photographs, artwork, or text for Optical Character Recognition (OCR). Includes Text Enhancement Technology (TET) and Auto Area Segmentation (AAS) for better scans.

EPSON TWAIN Pro Network and EPSON Scan Server

Ideal general-purpose drivers for network scanning from hundreds of applications. Includes TET and AAS for better scans.



NewSoft™ Presto!™ PageManager™ for EPSON

Lets you scan, print, and work with your scanned files from one easy-to-use window.



Adobe® PhotoDeluxe® Business Edition

Image-editing software for enhancing your scanned photos, adding special effects, and creating projects like web pages, business cards, and calendars.

Adobe Acrobat® Reader

Lets you read the on-screen manuals for your applications and any other files you may have in Portable Document Format (PDF).



TextBridge® Pro 8.0

Use this premiere OCR software to turn your paper documents into electronic text without retyping.



ISIS-certified driver by Pixel Translations

Use this industry-standard interface for high-performance document scanning.

About Your Documentation

For detailed instructions on using your scanner software, see your *EPSON GT-10000+ Reference Guide*. Follow the instructions on page 4. There are also electronic manuals for Presto! PageManager, PhotoDeluxe, TextBridge Pro, and Acrobat Reader on the CD-ROM. Follow the instructions on page 5 to read them.

This guide describes:

- Setting up your scanner and installing your software.
- Installing and using the optional automatic document feeder (ADF).
- How to scan a document.
- Setting up and using your scanner on a network.
- Troubleshooting problems and maintenance information.
- Installing the TCP/IP Protocol, if necessary.
- Scanner specifications and important notices.

Warnings, Cautions, and Notes

Please follow these guidelines as you read your documentation:



Warnings must be followed carefully to avoid bodily injury.



Cautions must be observed to avoid damage to your equipment.






Notes contain important information about your scanner.


Reading Your Reference Guide

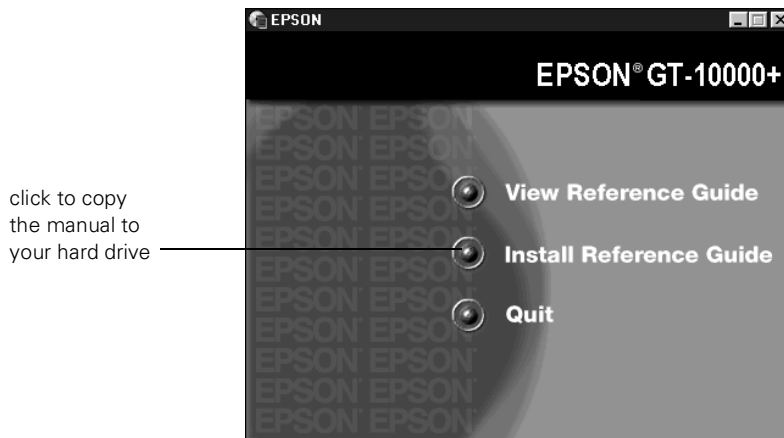
Your electronic *EPSON GT-10000+ Reference Guide* is on your EPSON GT-10000+ Scanner Software CD-ROM. You can view it from the CD-ROM or copy it to your hard drive and view it from there. You must have a web browser. (For example, Netscape Navigator® or Internet Explorer, versions 3.0 or later.)

Follow these steps to view the manual:

1. Insert your scanner software CD-ROM. When you see the EPSON Software Setup screen, click the **Browse this CD** button.

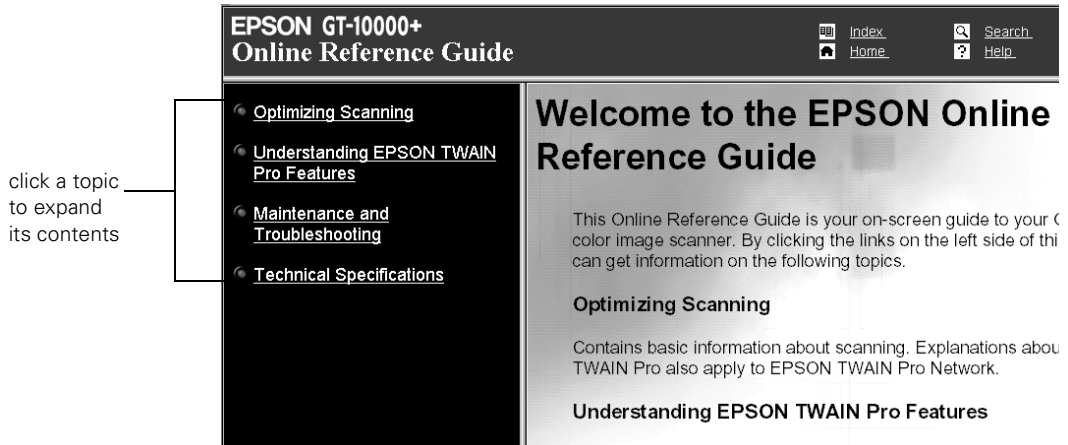
If the EPSON Software Setup screen doesn't appear, double-click the  **My Computer** icon on your desktop. Then double-click the  **Epson CD-ROM** icon. If necessary, double-click the  **Cdsetup.exe** icon.

2. Open the **Manuals** folder, then double-click the  **GT10000.exe** icon. You see this window:



If you copy the manual to your hard drive, you can read it anytime. After you copy the manual, just click Start, point to Programs, then EPSON, and select EPSON GT-10000+ Reference Guide.

3. Click View Reference Guide. You see this window:

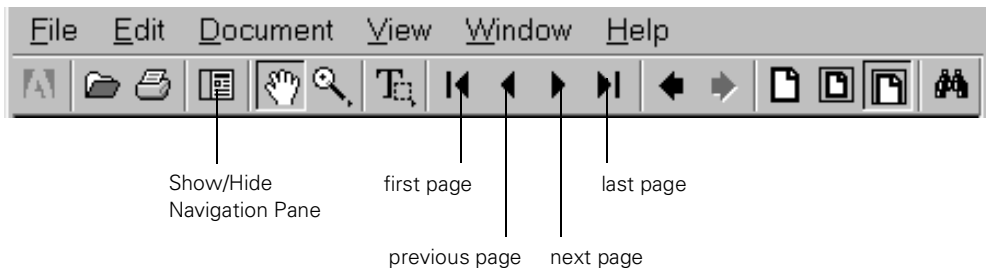


4. Click one of the topics on the left to expand its contents. Then click the subtopic you want to view.

Reading Your Other Electronic Manuals

To read your electronic manual for Presto! PageManager, PhotoDeluxe, TextBridge Pro, or any other PDF manuals, you'll use Acrobat Reader. If Acrobat Reader 3.0 or higher is not already installed on your computer, you can install Acrobat Reader 4.0 with the other scanner software. See the software installation instructions for your system in Chapter 2, "Installing Scanner Software."

When you open an electronic manual, you'll see this toolbar:



With Acrobat Reader, you have several ways to navigate through text:

- Click on hot topics, which are usually underlined or displayed in a different color. To find out if a topic is hot, move your cursor over it. If the cursor turns into a pointing hand, the topic is hot—you can jump to it by clicking once.
- Use the bookmark section of the left side of the screen to move quickly to the topic of your choice. Click the **Show/Hide Navigation Pane** icon on the toolbar to see the bookmark section, if the manual has bookmarks. Some manuals only have a table of contents, but you can also use this to navigate the manual if the topics are hot.
- Use the arrow buttons in the toolbar or the vertical scroll bar on the right side of the document to move through the manual. (The box to the left of the scroll bar displays the current page number.)

For more information, see your Acrobat Reader online guide.

Locate your PDF manuals as follows:

- **Presto! PageManager**—Click **Start, Programs, Presto! PageManager for EPSON, PageManager User's Manual**.
- **Adobe PhotoDeluxe Business Edition**—Insert your scanner software CD-ROM. When the EPSON Software Setup screen appears, click **Browse this CD**. Open the **PhotoDeluxe** folder, then double-click **GetStart.pdf**.
- **Acrobat Reader**—Select **Reader Guide** from the Acrobat Reader Help menu.
- **TextBridge Pro**—Click **Start, Programs, TextBridge Pro 8.0, User Guide**.
- *EPSON GT-10000+ User's Guide*—You can download a PDF version of this guide from the Internet at <http://support.epson.com>.

Chapter 1

Setting Up Your Scanner

Setting up your scanner is easy—just follow the steps in this chapter in the order listed below.

1. Unpack and choose a good place for your scanner.
2. Unlock the scanner.
3. Install the SCSI interface card in your computer (if necessary) or install the optional IEEE 1394 interface board in your scanner.
4. Set the SCSI ID number and terminator switch (if necessary).
5. Initialize the scanner.
6. Connect the scanner to your computer.

After you've set up your scanner and SCSI card or optional IEEE 1394 interface, you need to install your software as described in the next chapter, "Installing Scanner Software" on page 25.

Unpacking Your Scanner

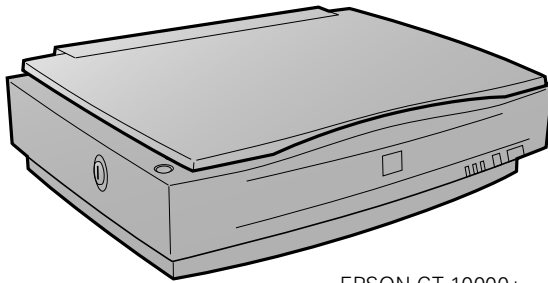
Remove the scanner from the box, then remove the tape and packing material from your scanner. Save the packaging in case you need it later.



The scanner is large and heavy, so you may need to have someone help you unpack and lift it.

Make sure you plug the scanner into a properly grounded outlet. Check the system and location requirements and follow all the safety instructions in Appendix C, "Notices."

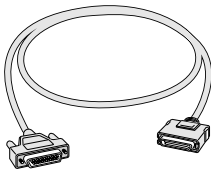
Along with this guide, your EPSON GT-10000+ comes with these items:



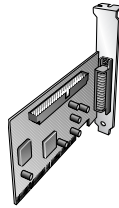
EPSON GT-10000+



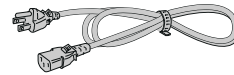
EPSON GT-10000+ Scanner
Software CD-ROM



SCSI cable



PCI SCSI interface card



power cable

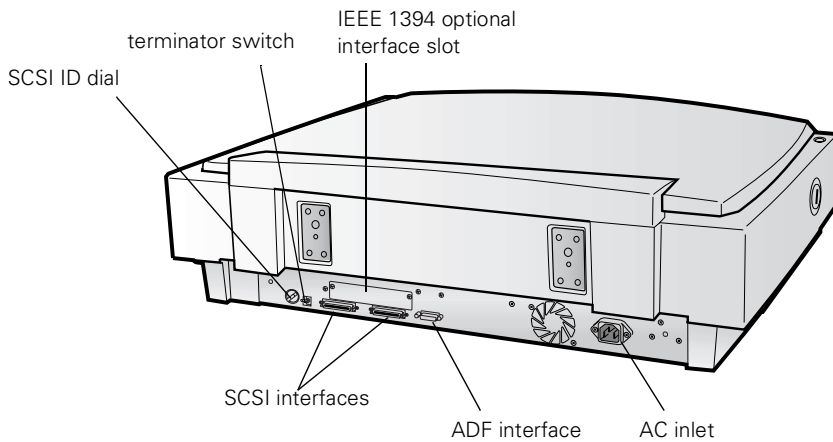
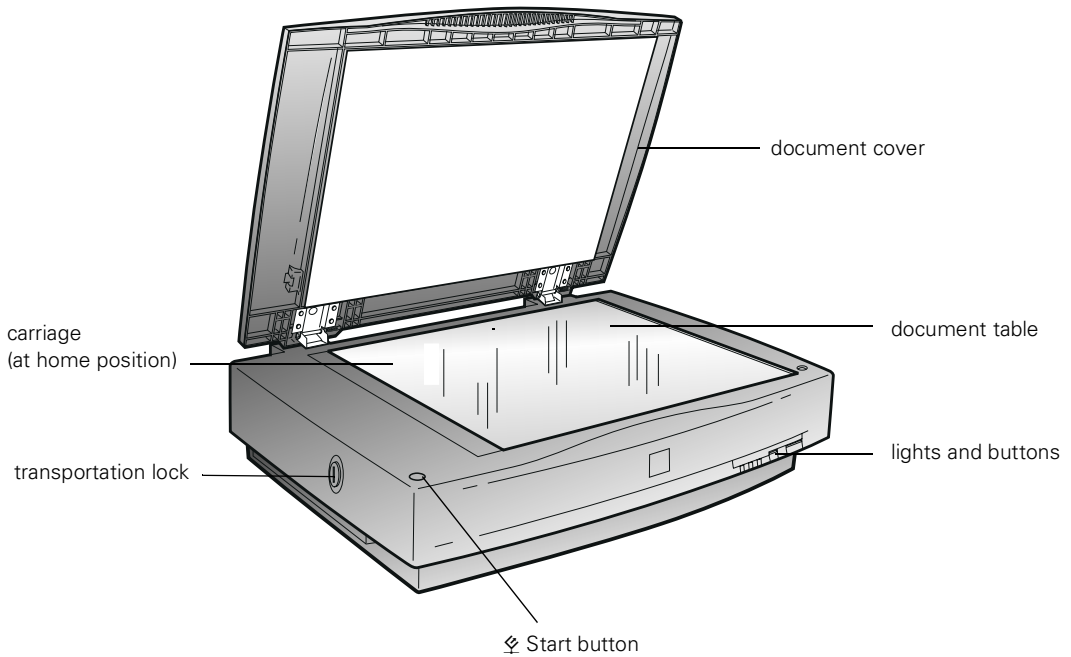
Choosing a Good Place for Your Scanner

Here are some points to consider:

- Place the scanner on a flat, stable surface. If the scanner is tilted, it can't operate properly.
- Place the scanner near a grounded electrical outlet where it can be easily unplugged. Make sure your scanner cable can reach your computer.
- Keep the scanner away from direct sunlight and strong light sources.
- Avoid places subject to shocks and vibrations, or high or rapidly changing temperatures and humidity.
- Be sure there's enough room behind the scanner for the cables, and above the scanner so you can fully raise the document cover.

Identifying Scanner Parts

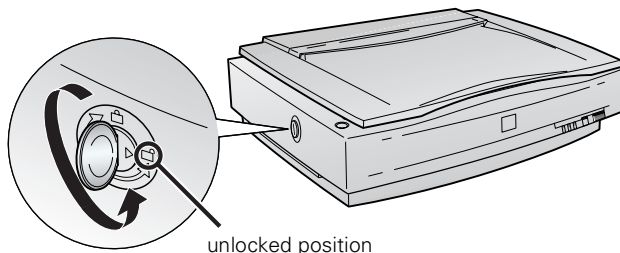
Your scanner has the following parts:



Unlocking the Scanner

Before connecting the scanner to a power source, you must release the transportation lock, located on the left side of the scanner.

Use a coin or large flat-head screwdriver to turn the transportation lock to the unlocked position, as shown.



Always lock the transportation lock before moving the scanner. Whenever you lock the scanner, the scanner lamp must be in the home position (on the left side of the scanner). See "Transporting the Scanner" on page 94 for more information.

Using SCSI to Connect Your Scanner

Read the sections below to install the included SCSI card, configure and connect the scanner to the SCSI card, and install the SCSI software. If you are connecting with SCSI and already have a SCSI interface installed in your computer, skip to "Setting the SCSI ID Number" on page 12.



If you are using IEEE 1394 to connect, see page 22.

Installing the SCSI Interface Card

You must install your SCSI card before installing the scanner driver and software applications.



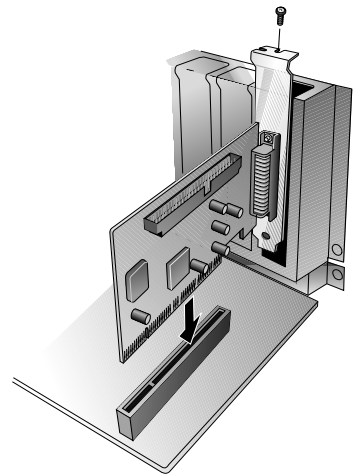
For additional installation information, see the documentation for your SCSI card or computer.

1. Turn off the computer and any peripheral devices. Unplug any power cords; then disconnect all cables from the back panel of your computer.
2. Remove the cover from your computer.



Static electricity can damage electronic components. Ground yourself before you touch any of the computer's internal components by touching an unpainted metal surface inside the computer case.

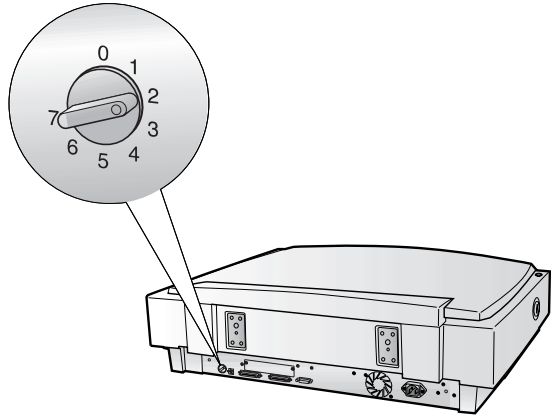
3. Remove the slot cover from an empty PCI expansion slot in your computer. (Refer to your computer documentation for information about your PCI slots.)
4. Insert the SCSI interface card into the slot, then secure it with the bracket screw.
5. Replace the computer cover and reconnect all cables.
6. Continue with the following section, "Setting the SCSI ID Number."



Setting the SCSI ID Number

The scanner's SCSI ID number default setting is 2. If you need to change this number, turn the SCSI ID dial on the back panel. Be sure to choose a unique number that doesn't conflict with the ID number of other SCSI devices.

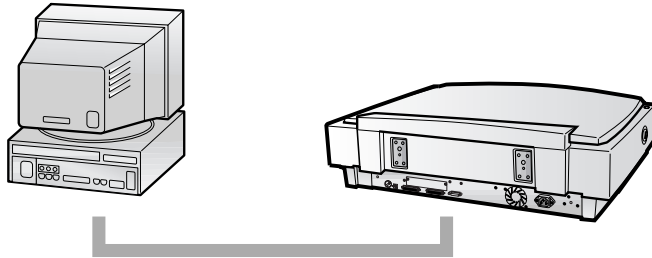
Don't use SCSI ID 7, which is usually reserved for the SCSI interface in the computer. SCSI ID 0 and 1 are also not recommended, as these may be used for the hard disk.



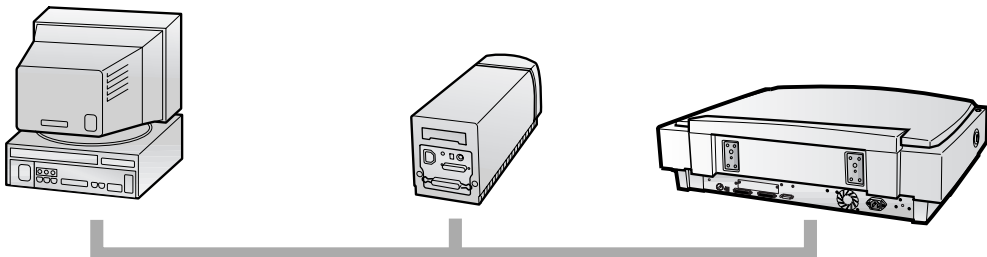
Setting the SCSI Terminator

The scanner's SCSI terminator is built-in, with a switch to turn it on or off on the scanner's back panel.

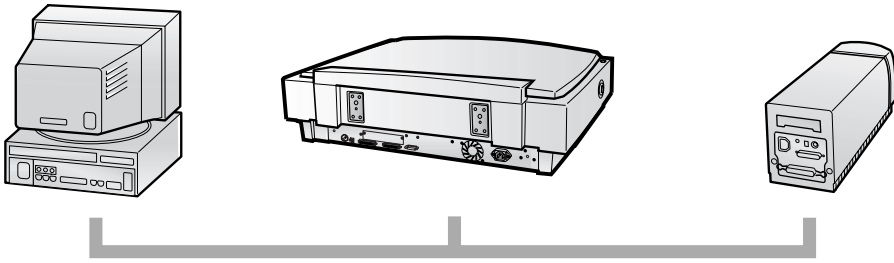
If the scanner is your only SCSI device, leave the terminator turned ON (the default setting).



If the scanner is the last device in the chain, leave the terminator turned ON.



If the scanner is in the middle of a chain, turn the switch **OFF**.



Connecting the Scanner to Your Computer

To make sure your scanner is working properly, it's a good idea to turn it on before you connect it to your computer. Open the scanner's document cover so you can see the operation of the lamp carriage, and press the **OPERATE** button.

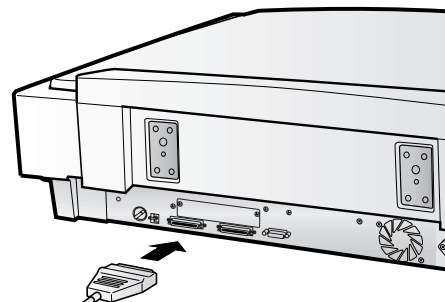
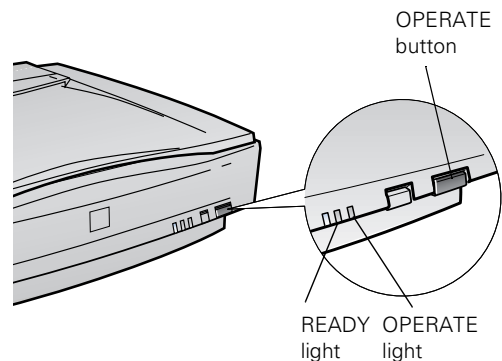
As the scanner initializes, the **OPERATE** light on the scanner's front panel comes on. After a few seconds, the **READY** light comes on.

Once you know the scanner is working properly, you can connect it to your computer. Follow these steps:

1. Turn off your scanner. Make sure the computer and any SCSI devices connected to your computer are turned off.
2. Connect the scanner to your computer using the SCSI cable that came with your scanner.

Squeeze the lock releases on the lock connector end of the SCSI cable and plug the cable into either SCSI connector on the back of the scanner. The cable is secure when both connector locks snap in.

3. Connect the pin end of the SCSI cable to the SCSI port on your computer or another SCSI device in the chain and tighten the screws to secure the cable.





If you're connecting multiple SCSI devices, the total length of the SCSI bus (cables) must not exceed 9.8 feet (3 meters); otherwise the system may not work properly. If you're connecting the scanner directly to your computer, don't use a cable longer than 9.8 feet (3 meters). Don't use an external terminator.

4. Plug in the power cables for your computer, scanner, and other external SCSI devices.

Always turn on your scanner first. Otherwise, the computer may not recognize your EPSON scanner when you install your software.

Installing the SCSI Software

Once the SCSI interface card is installed in your computer, Windows must locate and install the SCSI card's software drivers. The scanner and the scanning software will not work if the SCSI card's software drivers are not installed immediately after installing the card. Your scanner software CD-ROM includes the Windows drivers for your SCSI card.

If you have already installed the software for your SCSI card, see Chapter 2 to install your scanner software.

Installing the SCSI Software for Windows Me

Windows Millenium (Me) may install the drivers for your card automatically. If not, you'll use the Add New Hardware Wizard to install the drivers that are included on your Scanner Software CD-ROM.

1. Turn on your computer. During the Windows start-up sequence, the Add New Hardware Wizard screen may appear saying that your system has detected new hardware.



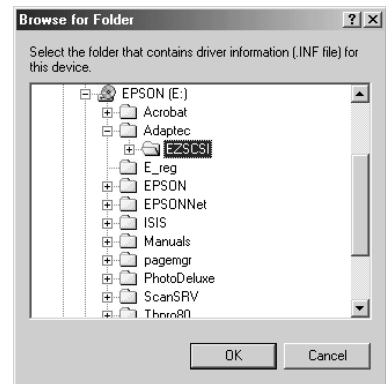


If you don't see the Add New Hardware Wizard, you can check to see if the SCSI card was installed automatically: click **Start, Settings, Control Panel**. Double-click **System** and then click the **Device Manager** tab. Double-click **SCSI and RAID controllers** and check to see if your Adaptec SCSI adapter is there. If Windows is unable to detect the SCSI card, see "Setup Problems" on page 97.

2. If you see the Add New Hardware Wizard screen, insert the EPSON GT-10000+ Scanner Software CD-ROM in your drive, select **Specify the location of the driver**, and click **Next**.
3. Select **Specify a location** and click **Browse**.



4. Browse to **Adaptec\EZSCSI** on your CD-ROM drive. (The example to the right uses E as the CD-ROM drive letter. Your CD-ROM drive letter may be different.) Click **OK** to close the Browse window, and then click **Next**.



5. Select The updated software then click Next. Follow the instructions on the screen.

If you see a message asking for your Windows CD-ROM, insert it and click OK (or click **Browse** and locate the Windows source files on your hard drive; then click OK).

6. Click **Finish** when you see a message that installation is complete.



Continue with the instructions on page 25 to install your scanner software.

Installing the SCSI Software for Windows 98 or Windows 95

You may be asked to insert your Windows operating system CD-ROM during software installation. Please have your Windows CD-ROM handy, in case it is needed.

1. Turn on your computer. During the Windows start-up sequence, a screen appears saying that your system has detected new hardware.



If you don't see the Add New Hardware Wizard, you can check to see if the SCSI card was installed automatically: click **Start, Settings, Control Panel**. Double-click **System** and then click the **Device Manager** tab. Double-click **SCSI controllers** and check to see if your Adaptec SCSI adapter is there. If Windows is unable to detect the SCSI card, see "Setup Problems" on page 97.

2. Click **Next**. You see the screen to the right.
3. Make sure **Search for the best driver for your device** is selected. Insert the scanner software CD-ROM in your drive, then click **Next**.



4. When you see a screen prompting you for the location of the driver, check **Specify a location**. Browse to the **Adaptec\Ezscsi** folder on the CD-ROM. Then click **Next**.

(The example screen shows D as the CD-ROM drive letter; your CD-ROM drive letter may be different.)



5. When you see a screen indicating that Windows is ready to install the best driver for this device, click **Next** to begin driver installation.

If you see a message asking for your Windows CD-ROM, insert it and click **OK** (or click **Browse** and locate the Windows source files on your hard drive; then click **OK**).




6. When you see a screen indicating that installation is complete, click **Finish**. The Add New Hardware Wizard closes and you return to the Windows desktop.

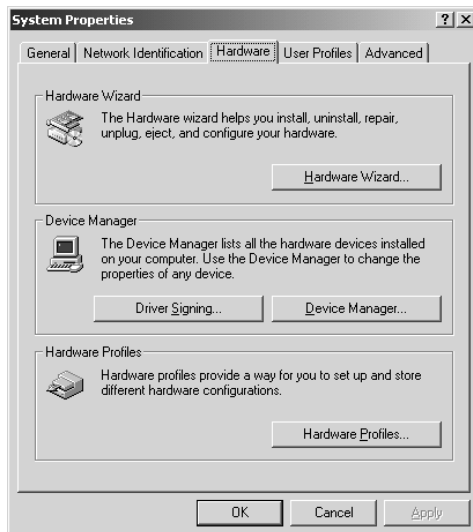
7. To verify that the SCSI card was detected, click **Start, Settings, Control Panel**, then double-click the **System** icon. Click the **Device Manager** tab, if necessary. You should see **SCSI controllers** in the list. Click the + to expand the list. You should see **Adaptec AIC-78XX PCI SCSI** in the list. Click **OK** to close the dialog box.
8. When you're finished, restart your computer.

If you're running Windows 98, continue with the instructions on page 30 to install your scanner software. If you're running Windows 95, continue with the instructions on page 34.

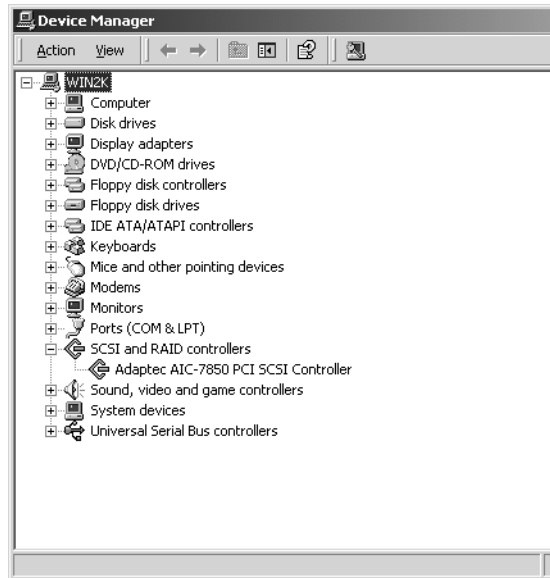
Installing the SCSI Software for Windows 2000

Windows 2000 automatically detects and installs your SCSI card. Follow these steps to check to make sure the card is installed correctly and Windows has detected it:

1. Turn on your computer.
2. Click **Start, Settings**, then **Control Panel**.
3. Double-click the  System icon in the Windows Control Panel to open the System Properties window.
4. Click the **Hardware** tab, then click **Device Manager**.



5. In the Device Manager window, double-click SCSI and RAID Controllers.
6. Double-click the SCSI card name (Adaptec AIC-78XX PCI SCSI Controller).
7. You see the Properties window. Click the **General** tab, if necessary. The message: **This device is working properly** should appear in the Device status dialog box.
8. Click **Cancel** to close the Properties window, then close the Device Manager window.

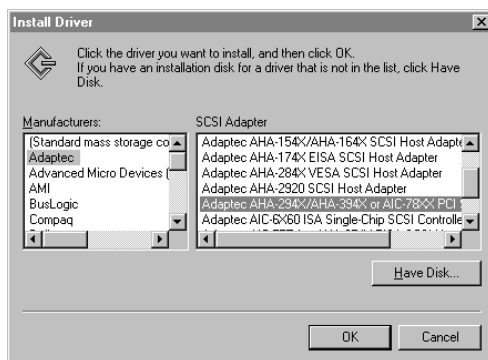
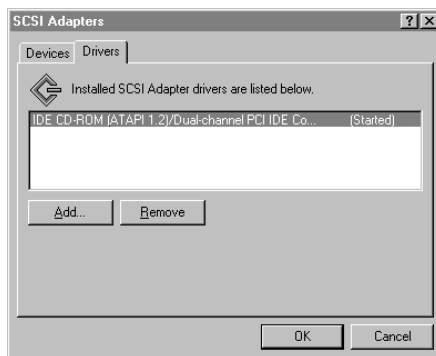
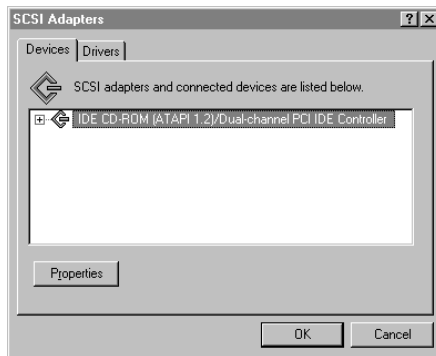


If Windows is unable to detect the SCSI card, see "Setup Problems" on page 97.

Installing the SCSI Software for Windows NT 4.0

You may be asked to insert your Windows operating system CD-ROM during software installation. Please have your Windows CD-ROM handy, in case it is needed.

1. Log onto Windows NT. After you see the Windows desktop icons, click **Start**, **Settings**, then **Control Panel**. Double-click **SCSI Adapters**. You see the dialog box on the right.
2. Click the **Drivers** tab.
3. When you see the screen on the right, click the **Add** button.
4. After a moment, you see the **Install Driver** dialog box. In the **Manufacturers** list, click **Adaptec**.
5. In the **SCSI Adapter** list, click **Adaptec AHA-294X/AHA-394X or AIC-78XX PCI SCSI Controller**. Then click **OK**.



- When you see the screen on the right prompting you for the location of the driver, check **Specify a location**. Browse to the following location on the CD-ROM: **Adaptec\Ezscsi**. Then click **Next**.

(The example screen shows D as the CD-ROM drive letter; your CD-ROM drive letter may be different.)



- The necessary driver files are copied to your hard drive, then you see a prompt to restart your system. Be sure to close any open windows, then click **Yes** to restart.
- After the system restarts, log on again. Windows NT automatically detects the scanner.
- To verify that the SCSI card was detected, click **Start, Settings, Control Panel**, and double-click **SCSI Adapters**. Then click the **Devices** tab, if necessary. You should see your **Adaptec PCI SCSI Controller** in the list. Click **OK** to close the dialog box.

Continue with the instructions on page 42 to install your scanner software.

Using IEEE 1394 to Connect Your Scanner

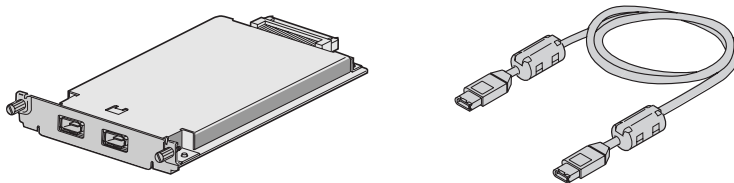
The optional IEEE 1394 interface board (B808342) offers high-speed data transfer and flexible connectivity for your scanner. It supports a peak data transfer rate of 400 Mbps. Interface cables can be connected and disconnected without turning off the scanner or your computer. You can connect multiple IEEE 1394 devices simultaneously in either a daisy-chain or tree configuration.



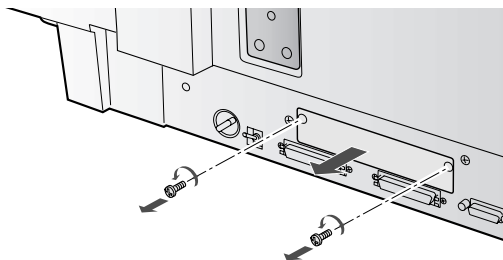
You must be running a Windows Me or Windows 2000 system with a built-in IEEE 1394 port or an IEEE 1394 adapter to use an IEEE 1394 connection.

Installing the IEEE 1394 Interface Board

To use your scanner as an IEEE 1394 device, you need to install the optional IEEE 1394 interface board.



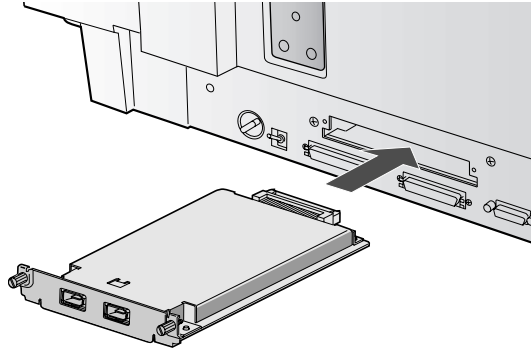
1. Turn off the scanner. Unplug any power cords, then disconnect all cables from the back of your scanner.
2. Use a cross-head screwdriver to remove the two screws securing the shield plate to the optional interface slot (located above the two SCSI ports) then remove the plate. Be sure to keep the screws in case you need to re-install the shield plate later.





Static electricity can damage electronic components. Discharge static electricity by touching the metal frame of your scanner before handling the interface board.

3. Insert the interface board, with the circuit board face down, along the side guide rails in the optional interface slot until it is flush with the back panel.



4. Secure the board with the attached retaining screws and reconnect all the cables.

Understanding IEEE 1394 Connections

The interface board is equipped with two cable connector ports. One port is used to connect the board to the computer, and the other port is used to connect additional IEEE 1394 devices in a daisy-chain or tree configuration. Use the cable supplied with your board when connecting the scanner to your computer. The cable can be connected without switching off the power supply to the computer or the scanner because it complies with the IEEE 1394 standard.

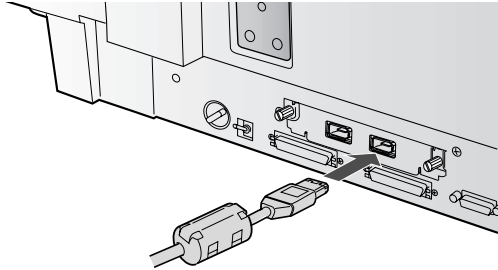


Do not connect or disconnect IEEE 1394 cables when the scanner software is running.

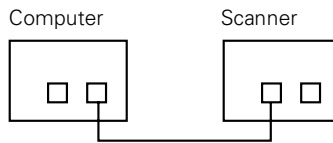
Connecting to Your Computer

Connect the scanner to your computer or other IEEE 1394 device as follows:

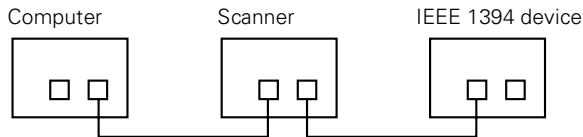
1. Connect one end of the cable to either port on the IEEE 1394 board at the back of the scanner.



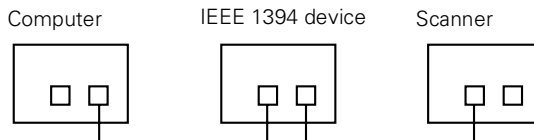
2. Connect the other end of the cable to the IEEE 1394 port on your computer.



You can connect an additional IEEE 1394 device by connecting a cable to the vacant port on your scanner, as shown below.



If you're connecting the scanner through another IEEE 1394 device, connect the other end of the cable to that device. Connect the scanner so that it is the last IEEE 1394 device in the chain.



The IEEE 1394 cable supplied with the optional IEEE 1394 interface board has 2 six pin connectors at each end. If you connect an IEEE 1394 device with four pin connectors in a daisy chain or tree, you will need to use a 6:4 converter cable.

Chapter 2

Installing Scanner Software

Follow the instructions in these sections to install the scanner software for your operating system:

- For Windows Millenium Edition (Me), go to the section below.
- For Windows 98, go to page 30.
- For Windows 95, go to page 34.
- For Windows 2000, go to page 38.
- For Windows NT 4.0, go to page 42.

If you are setting up the scanner on a network, install the driver on the scanner server as described in this chapter, then go to Chapter 6, “Network Scanning” to install the server and client software and set up the scanner for network scanning.



You can install Presto! PageManager on up to six computers. Your scanner comes with a single-user license for PhotoDeluxe and TextBridge Pro. If you want to install these applications on additional computers, please contact the software manufacturer to purchase additional licenses.

Installing the Software for Windows Me

Follow the instructions in this section to install your EPSON GT-10000+ scanner driver and other software on your scanner software CD-ROM.

If you want to use your scanner on a network, follow the steps in the section below to install the scanner driver on the scanner server, then go to Chapter 6, “Network Scanning,” to install other scanner software and the software for client systems.

Installing the Scanner Driver

If you are connecting your scanner with SCSI, make sure your SCSI board and SCSI driver are installed and the scanner is connected to your computer. If you are connecting your scanner with IEEE 1394, make sure the optional IEEE 1394 board is installed in the scanner and the scanner is connected to your computer. (See Chapter 1 for instructions.)

1. Turn on your scanner first, then turn on your computer.
2. When you see the window on the right, insert the EPSON GT-10000+ Scanner Software CD-ROM in your drive, select **Specify the location of the driver**, and click **Next**.

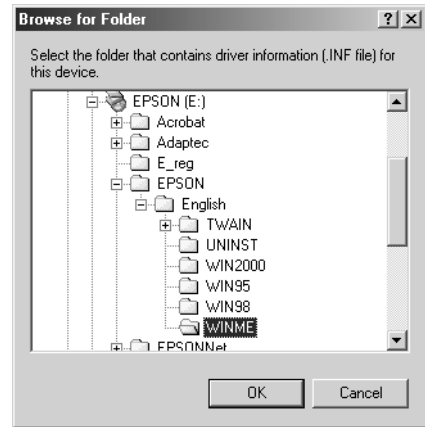


3. Select **Search for the best driver for your device**. Click **Specify a location** to select it and uncheck **Removable Media**.



If you leave **Removable Media** checked, the incorrect scanner driver may be installed.

4. Browse to EPSON\ENGLISH\WINME on your CD-ROM drive. (The example on the right uses E as the CD-ROM drive letter. Your CD-ROM drive letter may be different.) Click OK to close the Browse window, and then click Next.



5. Windows finds the driver in the folder you specified. Click Next and follow the instructions on the screen.

If you see a message asking for your Windows Me CD-ROM, insert it and click OK (or click Browse and locate the Windows source files on your hard drive; then click OK).




6. Click Finish when you see a message that installation is complete.



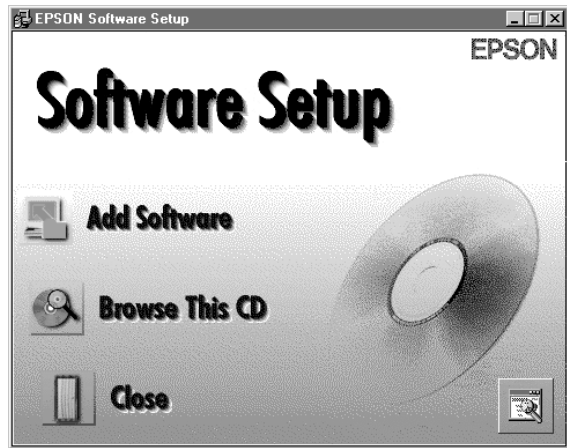
Installing Other Software on Your CD-ROM

Follow the steps below to install Presto! PageManager, TextBridge Pro, and Adobe Acrobat Reader. (If Acrobat Reader is already installed on your computer, you don't need to install it again.)

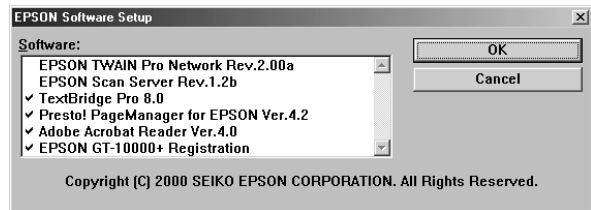
1. Insert your scanner software CD-ROM if it's not already in your CD-ROM drive.

If you don't see the screen on the right, double-click  My Computer on your desktop, then double-click the  Epson CD-ROM icon. If necessary, double-click the  Cdsetup.exe icon.

2. Click Add Software.



3. Make sure Presto! PageManager for EPSON, TextBridge Pro, Adobe Acrobat Reader (if necessary), and EPSON GT-10000+ Registration are selected and click OK.




Don't select either of the two network applications, EPSON TWAIN Pro Network or EPSON Scan Server. The EPSON TWAIN Pro driver lets you scan when your scanner is connected directly to your computer. If you want to use the scanner on a network, go to Chapter 6, "Network Scanning," instead.

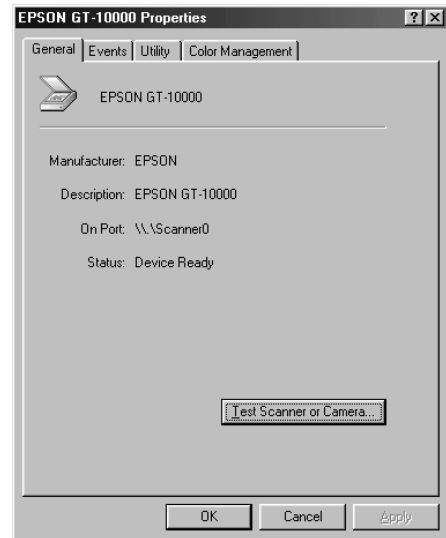
4. Follow the instructions on the screen to install Presto! PageManager, TextBridge Pro, and Acrobat Reader. Then follow the instructions on the screen to register your scanner.
5. Restart your computer.

Test your connection as described in the following section. If you want to install PhotoDeluxe, see page 45.

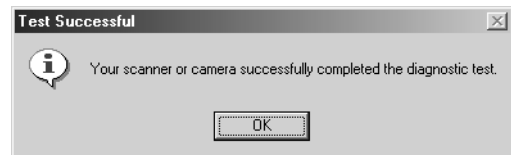
Testing Your Scanner Connection

You need to verify that your scanner was properly connected and the software was installed correctly. Follow these steps to test scanner operation:

1. Double-click the  **Scanners and Cameras** icon in the Windows Control Panel to open the Scanners and Cameras folder.
2. Double-click the **EPSON GT-10000** icon.
3. You see the scanner's properties window. If necessary, click the **General** tab. Click the **Test Scanner or Camera** button.



4. If the scanner is operating properly, you see the Test Successful dialog box. Click **OK**.
5. **Device Ready** appears next to Status on the scanner's properties window. Click **OK** to close the window.



Installing the Software for Windows 98

Follow the instructions in this section to install your EPSON GT-10000+ scanner driver and other software on your scanner software CD-ROM.

If you want to use your scanner on a network, follow the steps in the section below to install the scanner driver on the scanner server, then go to Chapter 6, “Network Scanning,” to install other scanner software and the software for client systems.

Installing the Scanner Driver

You may be asked to insert your Windows CD-ROM during this procedure. Make sure you have your Windows CD-ROM available, or know where to find the Windows source files on your hard drive. If you need help locating your source files, contact your computer manufacturer.

1. Make sure your SCSI board and SCSI driver are installed and the scanner is connected to your computer (as described in Chapter 1).
2. Turn on the scanner first, then turn on your computer. When you see the window on the right, click **Next**. (The Wizard may also say it has found an unknown device.)



3. Select **Search for the best driver for your device** and click **Next**.
4. Insert the EPSON GT-10000+ Scanner Software CD-ROM in your drive.



5. Select **Specify a location** and click **Browse**.
6. Browse to **EPSON\ENGLISH\WIN98** on your CD-ROM drive. Then click **Next**. (The example on the right shows H as the CD-ROM drive. Your CD-ROM drive letter may be different.) Click **OK** to close the Browse window, and then click **Next**.
7. Follow the instructions that appear on the screen.



If you see a message asking for your Windows 98 CD-ROM, insert it and click **OK**. (Or select **Specify a location**, click **Browse**, and locate the Windows 98 source files on your hard drive. Then click **OK**.)




8. When installation is complete, click **Finish**.

Continue with the instructions in the next section to install Presto! PageManager, TextBridge Pro, and Acrobat Reader.

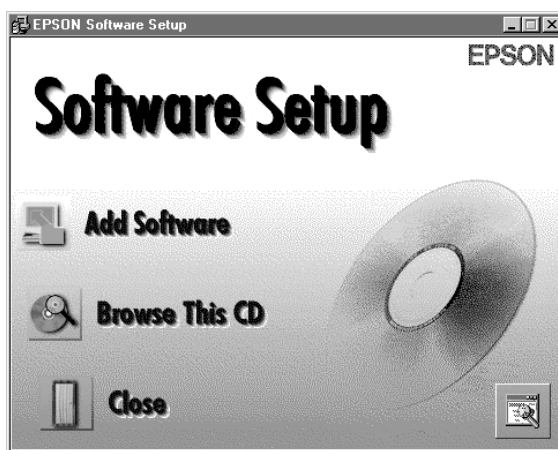
Installing Other Software on Your CD-ROM

Follow the steps below to install Presto! PageManager, TextBridge Pro, and Adobe Acrobat Reader. (If Acrobat Reader is already installed on your computer, you don't need to install it again.)

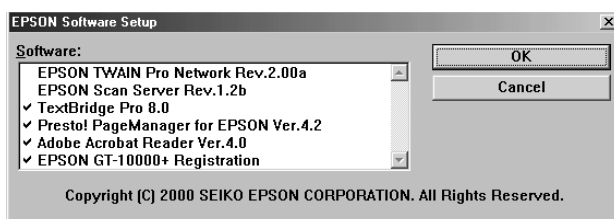
1. Insert your scanner software CD-ROM if it's not already in your CD-ROM drive.

If you don't see the screen on the right, double-click  My Computer on your desktop, then double-click the  Epson CD-ROM icon. If necessary, double-click the  Cdsetup.exe icon.

2. Click Add Software.



3. Make sure Presto! PageManager for EPSON, TextBridge Pro, Adobe Acrobat Reader (if necessary), and EPSON GT-10000+ Registration are selected, and click OK.




Don't select either of the two network applications, EPSON TWAIN Pro Network or EPSON Scan Server. The EPSON TWAIN Pro driver lets you scan when your scanner is connected directly to your computer. If you want to use the scanner on a network, go to Chapter 6, "Network Scanning," instead.

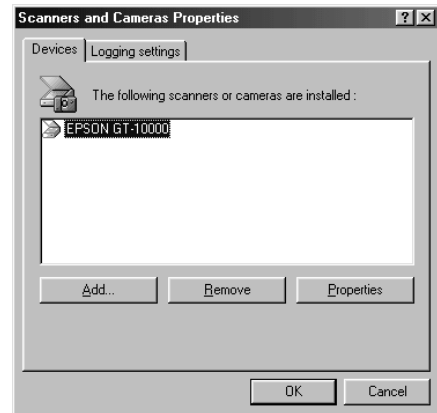
4. Follow the instructions on the screen to install Presto! PageManager, TextBridge Pro, and Acrobat Reader. Then follow the instructions on the screen to register your scanner.

Test your connection as described in the following section. If you want to install PhotoDeluxe, see page 45.

Testing Your Scanner Connection

You need to verify that your scanner was properly connected and the software was installed correctly. Follow these steps to test scanner operation:

1. Click **Start, Settings, then Control Panel**. Double-click the  **Scanners and Cameras** icon in the Windows Control Panel to open the Scanners and Cameras Properties window.
2. Make sure **EPSON GT-10000** is selected, then click the **Properties** button.
3. If necessary, click the **General** tab. Click the **Test Scanner or Camera** button. If the scanner is operating properly, **Device Ready** appears next to Status.
4. Click **OK** to close the scanner's properties window. Then click **OK** to close the Scanners and Cameras Properties window.



Installing the Software for Windows 95

Follow the instructions in this section to install your EPSON GT-10000+ scanner driver and other software on your scanner software CD-ROM.

If you want to use your scanner on a network, follow the steps in the section below to install the scanner driver on the scanner server, then go to Chapter 6, “Network Scanning,” to install other scanner software and the software for client systems.

Installing the Scanner Driver

You may be asked to insert your Windows CD-ROM during this procedure. Make sure you have your Windows CD-ROM available, or know where to find the Windows source files on your hard drive. If you need help locating your source files, contact your computer manufacturer.

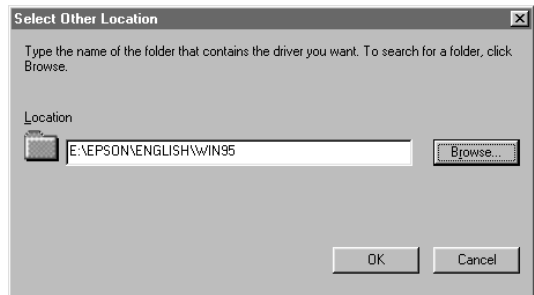
1. Make sure your SCSI board and SCSI driver are installed and the scanner is connected to your computer (as described in Chapter 1).
2. Turn on your scanner first, then turn on your computer. When you see the window on the right, click **Next**.



3. Click **Other Locations**.



4. Make sure your scanner software CD-ROM is in the drive. Browse to **EPSON\ENGLISH\WIN95** on your CD-ROM drive. Then click **OK**. (The example on the right shows E as the CD-ROM drive. Your CD-ROM drive letter may be different.)



5. When you see the window on the right, click **Finish**. Then restart your computer.




Continue with the instructions in the next section to install EPSON TWAIN Pro, Presto! PageManager, TextBridge Pro, and Acrobat Reader.



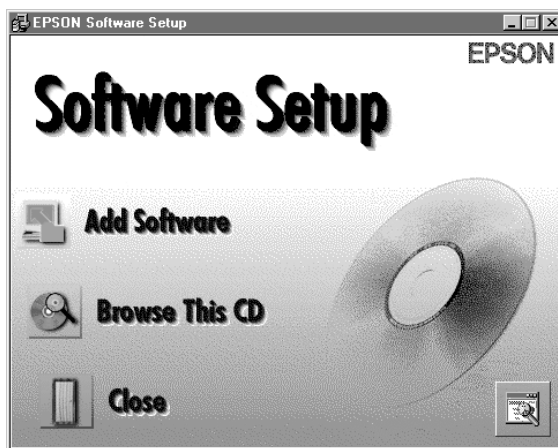
Installing Other Software on Your CD-ROM

Follow the steps below to install EPSON TWAIN Pro, Presto! PageManager, TextBridge Pro, and Acrobat Reader. (If Acrobat Reader is already installed on your computer, you don't need to install it again.)

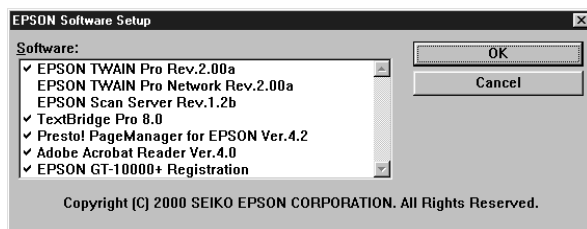
1. Insert your scanner software CD-ROM if it's not already in your CD-ROM drive.

If you don't see the screen on the right, double-click  My Computer on your desktop, then double-click the  Epson CD-ROM icon. If necessary, double-click the  Cdsetup.exe icon.

2. Click Add Software.



3. You must install EPSON TWAIN Pro to use your scanner. Make sure a check mark appears beside it. (A check mark appears beside selected applications.)

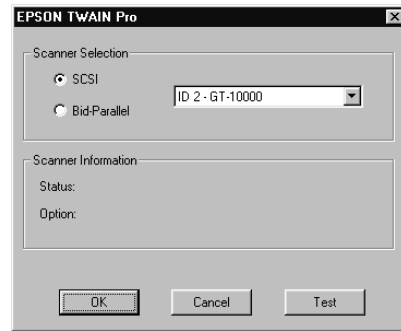


Also make sure Presto! PageManager for EPSON, TextBridge Pro, Adobe Acrobat Reader (if necessary), and EPSON GT-10000+ Registration are selected and click OK.



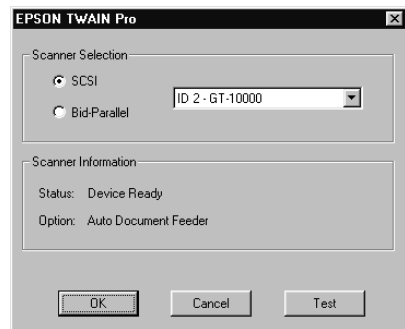
Don't select either of the two network applications, EPSON TWAIN Pro Network or EPSON Scan Server. The EPSON TWAIN Pro driver lets you scan when your scanner is connected directly to your computer. If you want to use the scanner on a network, go to Chapter 6, "Network Scanning," instead.

4. Follow the instructions on the screen to install EPSON TWAIN Pro. When installation is complete, you see the window on the right. Make sure **SCSI** is selected and **GT-10000** appears in the Scanner Selection list.



5. Click **Test** to check the connection. If the scanner software is installed correctly, you see **Status: Device Ready** under Scanner Information. Click **OK** to close the window.

(You can test your scanner connection at any time. Double-click the **EPSON TWAIN Pro** icon in your Windows Control Panel to open the EPSON TWAIN Pro window. Then click the **Test** button.)



6. Follow the instructions on the screen to install Presto! PageManager, TextBridge Pro, and Acrobat Reader. Then follow the instructions on the screen to register your scanner.

To make sure your scanner driver is installed correctly, verify that the scanner is listed in the Windows Device Manager. (Click **Start, Settings, Control Panel**, then double-click the **System** icon. Select the Device Manager tab and double-click **EPSON Scanners**. GT-10000 should appear in the list.)

If you're done installing software, restart your computer. If you want to install PhotoDeluxe, see page 45.

Installing the Software for Windows 2000

Follow the instructions in this section to install your EPSON GT-10000+ scanner driver and other software on your scanner software CD-ROM.

If you want to use your scanner on a network, follow the steps in the section below to install the scanner driver on the scanner server, then go to Chapter 6, “Network Scanning,” to install other scanner software and the software for client systems.

Installing the Scanner Driver

If you are connecting your scanner with SCSI, make sure your SCSI board and SCSI driver are installed and the scanner is connected to your computer. If you are connecting your scanner with IEEE 1394, make sure the optional IEEE 1394 board is installed in the scanner and the scanner is connected to your computer. (See Chapter 1 for instructions.)



The screens shown in this section show the scanner when connecting with SCSI. The screens will look slightly different if you are connecting with IEEE 1394.

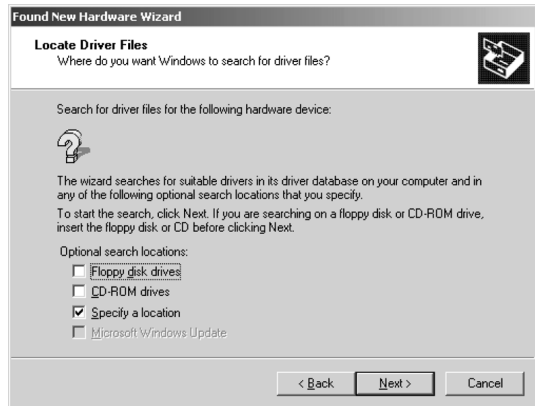
1. When you see the window on the right, insert the EPSON GT-10000+ Scanner Software CD-ROM in your drive and click Next.



2. Select **Search for a suitable driver for my device** and click **Next**.



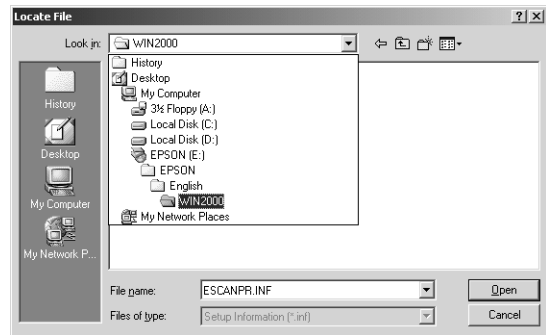
3. Select **Specify a location** and click **Next**.



4. Click **Browse**.



- Browse to **EPSON\ENGLISH\WIN2000** on your CD-ROM drive. (The example to the right uses E as the CD-ROM drive letter. Your CD-ROM drive letter may be different.) Click **Open**.



- Click **OK**. Then click **Next** and follow the instructions on the screens that appear.

If you see a message asking for your Windows 2000 CD-ROM, insert it and click **OK** (or click **Browse** and locate the Windows 2000 source files on your hard drive; then click **OK**).



- When you see the window on the right, click **Yes** to continue with the driver installation.






- Click **Finish** when you see a message that installation is complete.

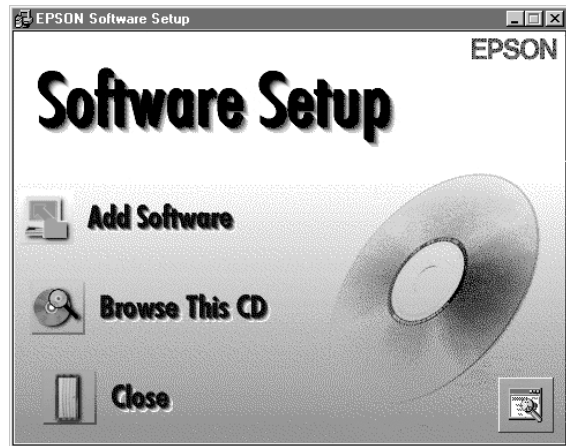
Installing Other Software on Your CD-ROM

Follow the steps below to install Presto! PageManager, TextBridge Pro, and Adobe Acrobat Reader. (If Acrobat Reader is already installed on your computer, you don't need to install it again.)

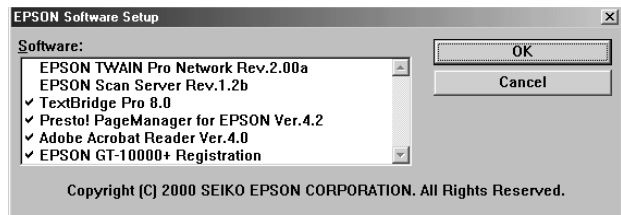
1. Insert your scanner software CD-ROM if it's not already in your CD-ROM drive.

If you don't see the screen on the right, double-click  My Computer on your desktop, then double-click the  Epson CD-ROM icon. If necessary, double-click the  Cdsetup.exe icon.

2. Click Add Software.



3. Make sure Presto! PageManager for EPSON, TextBridge Pro, Adobe Acrobat Reader (if necessary), EPSON GT-10000+ Registration are selected and click OK.




Don't select either of the two network applications, EPSON TWAIN Pro Network or EPSON Scan Server. The EPSON TWAIN Pro driver lets you scan when your scanner is connected directly to your computer. If you want to use the scanner on a network, go to Chapter 6, "Network Scanning," instead.

4. Follow the instructions on the screen to install Presto! PageManager, TextBridge Pro, and Acrobat Reader. Then follow the instructions on the screen to register your scanner.

Test your connection as described in the following section. If you want to install PhotoDeluxe, see page 45.

Testing Your Scanner Connection

You need to verify that your scanner was properly connected and the software was installed correctly. Follow these steps to test scanner operation:

1. Double-click the  **Scanners and Cameras** icon in the Windows Control Panel to open the Scanners and Cameras folder.
2. Double-click the **EPSON GT-10000** icon.
3. If necessary, click the **General** tab. Click the **Test Scanner or Camera** button. If the scanner is operating properly, **Device Ready** appears next to Status.
4. Click **OK** to close the scanner's properties window.



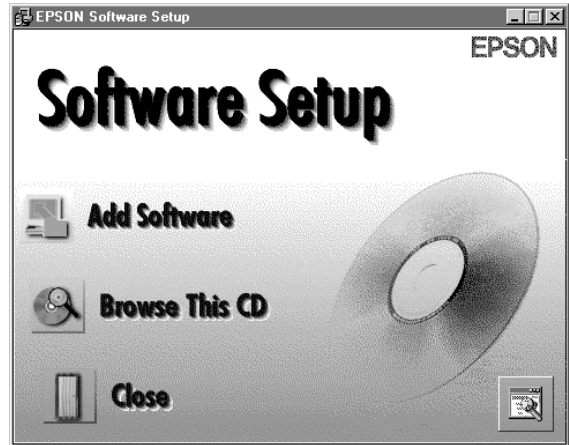
Installing the Software for Windows NT 4.0

Follow the instructions in this section to install the EPSON GT-10000+ scanner driver and other software on your scanner software CD-ROM.

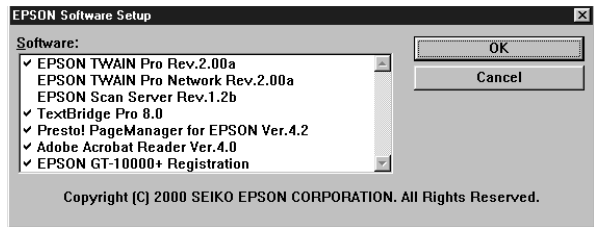
If you want to use your scanner on a network, go to Chapter 6, "Network Scanning," instead.

1. Make sure your SCSI board and SCSI driver are installed and the scanner is connected to your computer (as described in Chapter 1).

2. Turn on your scanner first, then turn on your computer.
3. Log onto Windows NT and insert your EPSON GT-10000+ Scanner Software CD-ROM in your drive.
4. When you see the EPSON Software Setup window, click Add Software.



5. You must install EPSON TWAIN Pro to use your scanner. Make sure a check mark appears beside it. (A check mark appears beside selected applications.)

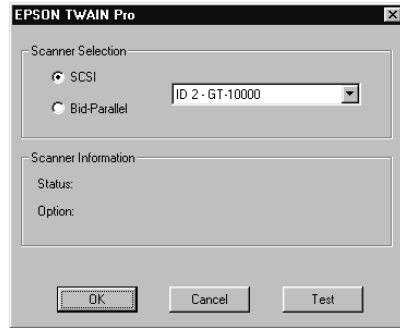


Also make sure **TextBridge Pro**, **Presto! PageManager for EPSON**, **Adobe Acrobat Reader**, and **EPSON GT-10000+ Registration** are selected. (If Acrobat Reader is already installed on your computer, click to deselect it; you don't need to install it again.) Then click **OK**.



Don't select either of the two network applications, **EPSON TWAIN Pro Network** or **EPSON Scan Server**. The EPSON TWAIN Pro driver lets you scan when your scanner is connected directly to your computer. If you want to use the scanner on a network, go to Chapter 6, "Network Scanning," instead.

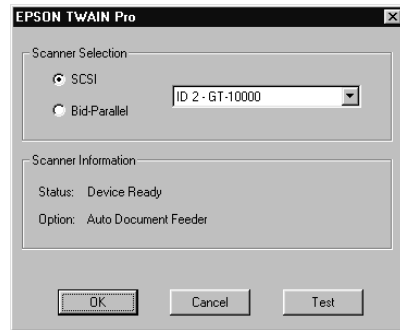
6. Follow the instructions on the screen to install EPSON TWAIN Pro. When installation is complete, you see the window on the right. Make sure **SCSI** is selected and **GT-10000** appears in the Scanner Selection list.



7. Click **Test** to check the connection.

If the scanner software is installed correctly, you see **Status: Device Ready** under Scanner Information. Click **OK** to close the window.

(You can test your scanner connection at any time. Double-click the **EPSON TWAIN Pro** icon in the Windows Control Panel to open the EPSON TWAIN Pro window. Then click the **Test** button.)






8. Follow the instructions on the screen to install TextBridge Pro, Presto! PageManager, and Acrobat Reader. Then follow the instructions on the screen to register your scanner.

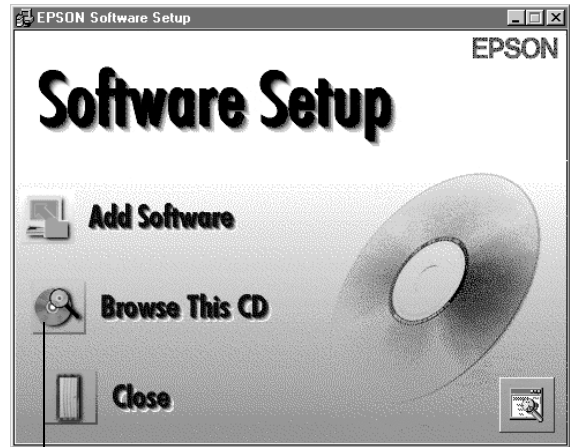
If you're done installing software, restart your computer. If you want to install PhotoDeluxe, go to the next section.

Installing Adobe PhotoDeluxe


Follow the instructions in this section to install Adobe PhotoDeluxe.

1. If necessary, insert your scanner software CD-ROM in the drive. When you see the EPSON Software Setup screen, click **Browse This CD**.

If you don't see the screen on the right, double-click  **My Computer** on your desktop, then double-click the  **Epson CD-ROM** icon. If necessary, double-click the  **Cdsetup.exe** icon. Then click **Browse This CD**.




click Browse This CD

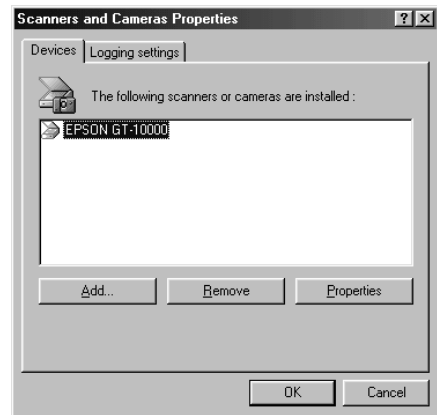
2. To install PhotoDeluxe, double-click the **PhotoDeluxe** folder, then double-click the  **Install.exe** icon. Then follow the instructions on the screen.
3. When installation is complete, click **OK**, then restart your computer.

Setting Up the Default Scanner

If you have more than one scanner connected to your computer and you're running Windows Me, Windows 98, or Windows 2000, you can set up the EPSON GT-10000+ as your default scanner.

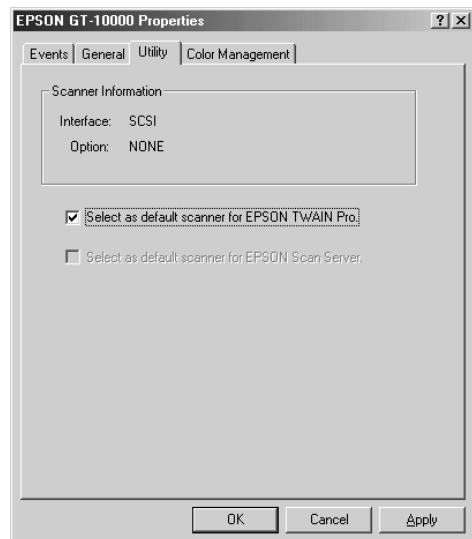
1. Click **Start**, **Settings**, then **Control Panel**. In the Windows Control Panel, double-click the  **Scanners and Cameras** icon.
2. In Windows 98 or Windows 2000, you see the Scanners and Cameras Properties window. Select **EPSON GT-10000**, if necessary, and click the **Properties** button.

In Windows Me, double-click the EPSON GT-10000 icon.



3. Click the **Utility** tab. Make sure **Select as default scanner for EPSON TWAIN Pro** is checked, and then click **OK**.
4. In Windows 98 or Windows 2000, click **OK** to close the Scanners and Cameras Properties window.

The default scanner remains in effect until you use this procedure to change it again.



Chapter 3

Using the Optional ADF

The optional automatic document feeder (ADF) automatically loads multi-page documents into your scanner. It is particularly useful for optical character recognition (OCR) scanning or for creating an image database. To use the ADF with your OCR software, you must install EPSON TWAIN Pro (see Chapter 2) or the ISIS driver (see Chapter 5).

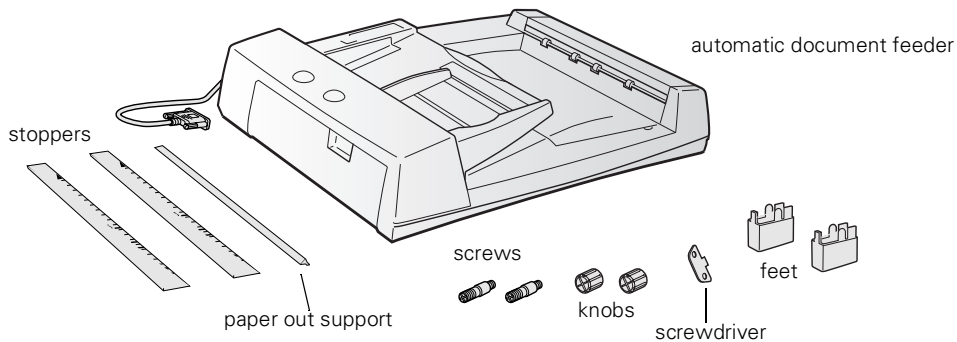


The ADF is large and heavy. Clear a wide space around the scanner before installing the ADF. You may need to have someone help you unpack and lift it.

You can purchase the optional ADF (part number B813212) from your reseller or from EPSON Accessories at (800) 873-7766 (U.S. sales only). In Canada, please call (800) 873-7766 for dealer referral. Or visit our web site at www.epsonstore.com (U.S. sales only).

Unpacking the Automatic Document Feeder

When you unpack your automatic document feeder, make sure you have the parts shown below. If any items are missing or damaged, contact your EPSON dealer, or call EPSON at (562) 276-4382 (in the United States) or (905) 709-3839 (in Canada).



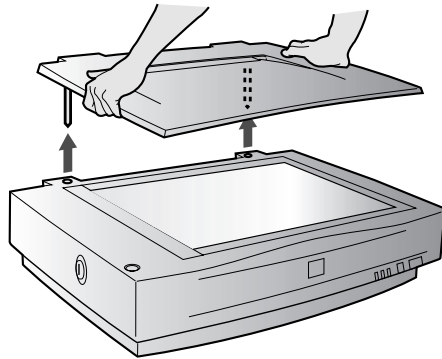
Installing the Automatic Document Feeder

Follow the steps below to install the automatic document feeder on your scanner:

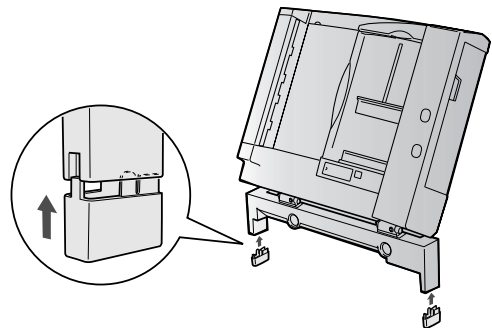


Because the automatic document feeder is heavy, you may want to have someone help you with this procedure. Also, the document feeder is large, so be sure to have adequate space around the scanner.

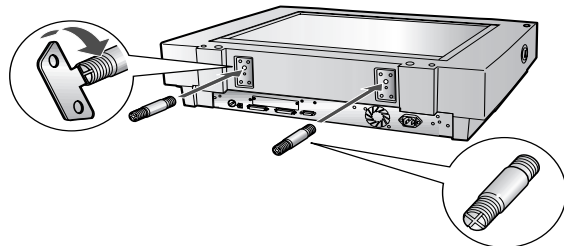
1. Make sure your scanner is turned off and unplug the cables.
2. Remove your scanner's document cover by grasping the back of the cover as shown and easing the cover up.



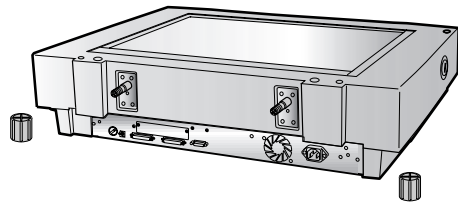
3. Attach the two feet to the ADF as shown.



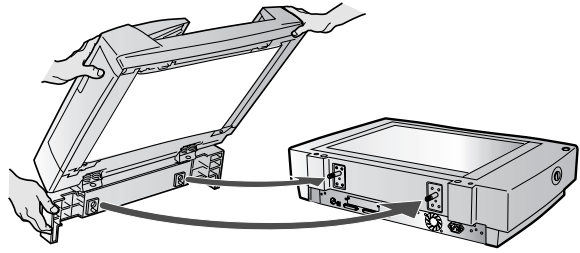
4. Insert the installation screws that came with the ADF into the holes in the back of the scanner and secure them with the enclosed screwdriver tool, as shown.



5. Place the two knobs included with the ADF beside the scanner.

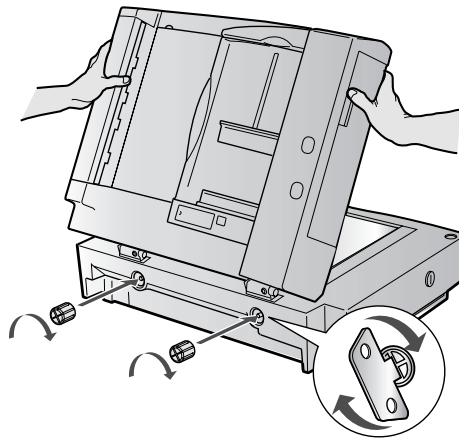


6. Align the installation screws with the holes in the ADF and slide together as shown.

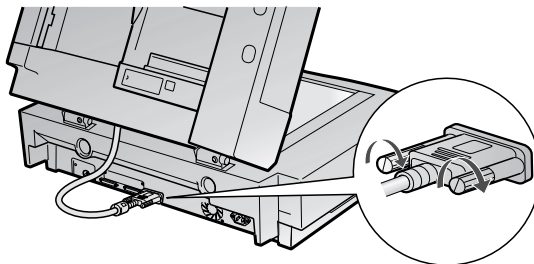


The ADF is heavy. Ask for assistance when lifting it.

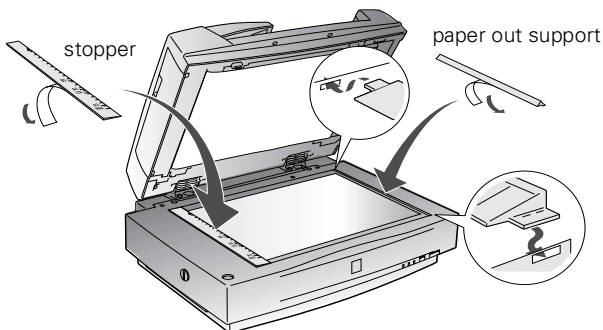
7. Twist the knobs onto the ends of the screws and tighten them using the enclosed screwdriver tool.



- Attach the ADF's connector to the scanner's option interface. Secure the connection by tightening the connector screws.



- Peel the backing from the stopper and from the paper out support provided with the ADF. Then attach the stopper and paper out support to the scanner as shown. Insert the tabs on the paper out support into the slots at the right end of the document table.



There are two stoppers included with the ADF, a dark gray one and a beige one. Use the dark gray stopper, not the beige stopper.

- Close the ADF.

If you haven't connected the scanner to your computer, continue with "Connecting the Scanner to Your Computer" on page 13.

Loading Paper

The ADF can hold up to 100 sheets of the following paper sizes, based on a paper weight of 80 g/m² and a thickness of 0.2 inch (6.0 mm) or less:

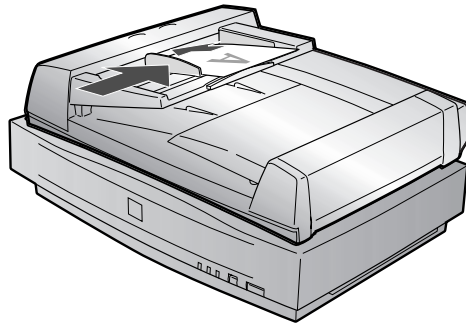
Paper size	Direction
A3, Ledger, B4, Legal, A4, Letter, B5, A5, 5.5 × 5.8-inch (140 × 148 mm)	Portrait
A4, Letter, B5, A5	Landscape

Before loading the ADF, make sure the document:

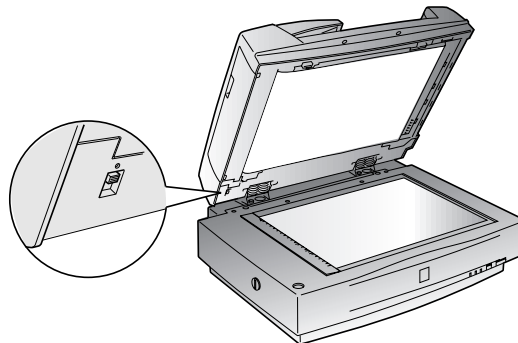
- Has no wet ink on it.
- Has no holes.
- Is not ripped or wrinkled.
- Has no staples or other objects attached that may damage the feeder.
- Has no folds.
- Is not a multipart form.
- Is not bound.
- Has no carbon coating.
- Has no cut-out areas.

Follow these steps to load paper:

1. Slide the right edge guides all the way to the right.

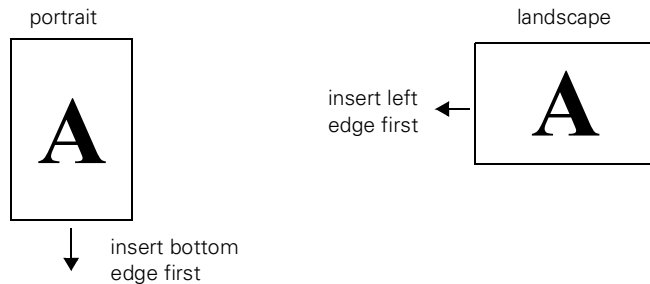


2. Make sure that the switch on the lower left corner of the ADF is set with the switch towards the circular mark as shown.



3. Arrange your stack of originals face up. Follow these guidelines when inserting paper:
 - Portrait orientation (top and bottom edges are shorter than the side edges)—insert your document bottom edge first.
 - Landscape orientation (top and bottom edges are longer than the side edges)—insert your document left edge first.

Insert the document until it meets resistance.



If your document is large, slide out the paper support.

4. Slide the edge guides to the edges of your paper.
5. Scan your document.



If you load multiple pages, they will be fed from the top and ejected facedown.

To automatically scan both sides of a document, select the Double-Side setting in EPSON TWAIN Pro.

You can still load documents manually, if you want. Just lift the automatic document feeder and place the first sheet of your document face down on the document table. Always close the automatic document feeder before scanning, and do not open it during scanning or an error will result.

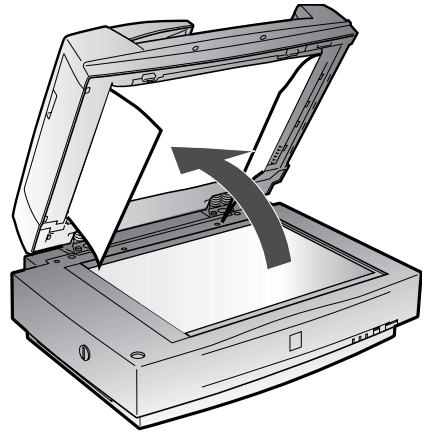
Make sure to select Auto Document Feeder as your Document Source in EPSON TWAIN Pro.

If you want to scan only part of the document area, load the first page of the document in the automatic document feeder. When you start EPSON TWAIN Pro and click the Preview button, the first page is ejected. You can adjust the marquee in the Preview area, and then load up to 100 pages of the document in the automatic document feeder. The GT-10000+ scans the area defined by the marquee on each page.

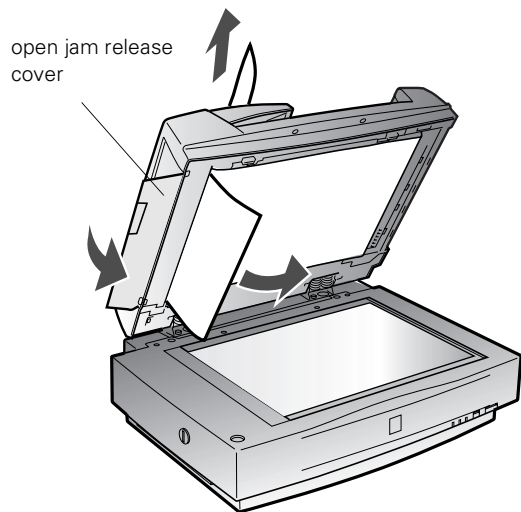
Fixing Paper Jams

If a paper jam occurs, follow these steps to clear it:

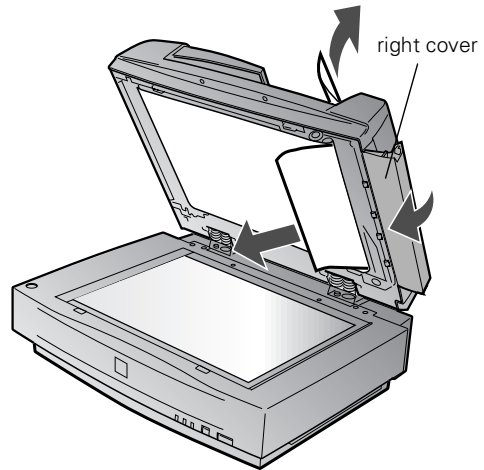
1. Open the ADF cover to determine where the paper jam occurred.



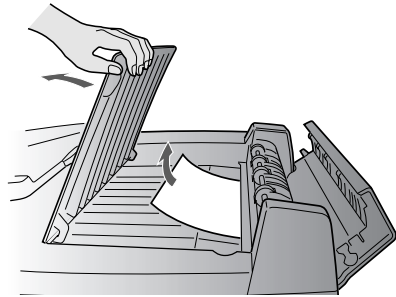
2. If paper is jammed in the feeder, open the cover on the left and slowly pull out the jammed paper as shown. (Be careful not to pull too hard or the paper may tear, making it more difficult to remove.)



3. If paper jams in the paper eject position, open the cover on the right and slowly pull out the jammed paper as shown.




Be careful not to pull too hard or the paper may tear, making it more difficult to remove.



After removing the jammed paper, close the ADF cover.

Chapter 4

How to Scan

This chapter offers you some tips for getting the best scan, gives an overview of the scanning process, and describes how to set up and use the  Start button for one-step scanning.

Selecting Your Scanner Source

Your EPSON GT-10000+ scanner comes with two all-purpose drivers, EPSON TWAIN Pro and TWAIN Pro Network. The scanner driver is what you select as the source in your application. This is the software that allows your computer to communicate with your scanner. It also allows you to select certain settings to optimize the scanned image.



If you installed EPSON TWAIN Pro on the scanner server so that you could make a direct connection to the scanner, remember that you must exit EPSON Scan Server to use EPSON TWAIN Pro. EPSON Scan Server disables EPSON TWAIN Pro.

If you're accessing a network scanner connected to another computer, always use TWAIN Pro Network as your source. For network scanning instructions, see Chapter 6.

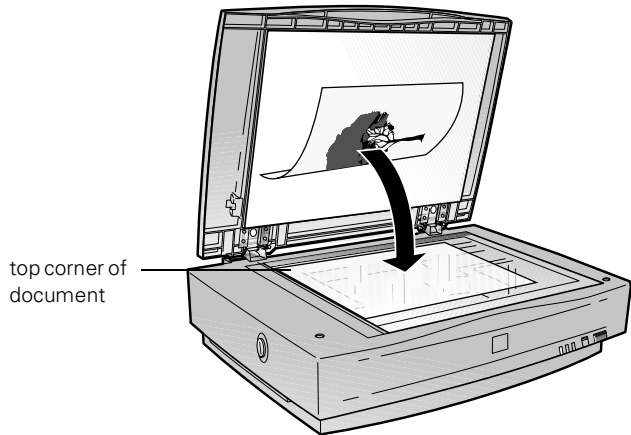
See the sections below for basic scanning with EPSON TWAIN Pro and Start button scanning. For detailed instructions on using EPSON TWAIN Pro or TWAIN Pro Network, see your electronic *EPSON GT-10000+ Reference Guide*. You can also install the ISIS driver and use it as your source. (See the next chapter, “Scanning With the ISIS Driver” on page 67.)

Scanning From Start to Finish

This section contains step-by-step instructions for scanning an image. Before you scan, make sure you've set up your scanner and installed the software as described in Chapter 2, "Setting Up Your Scanner."

Placing Your Original Document

1. Raise the scanner cover and place your document face down on the document table.
2. Position the document so the horizontal and vertical edges are carefully aligned with the scales on the top and left side of the document table.
3. Close the document cover slowly. Be careful not to move the document.



You can remove the document cover if you need to scan a thick item—such as a photo in an album—that doesn't fit under the cover. Simply lift the back of the cover straight up. When you reattach the cover, position the hinges over the posts at one end of the scanner and push down gently until the cover clicks into place.

Scanning with EPSON TWAIN Pro

Scans are always performed from within a software application (the application into which you plan to import the scanned image or document).

1. Open your software application (for example, PhotoDeluxe).
2. Select your scanner source. (Unless you change your source, you need to do this step only once.)

For example, if you're using PhotoDeluxe Business Edition as your software application, click the **Get & Fix Photo** button. Click the **Get Photo** tab, then click the arrow below the **Scanners** button. Select **EPSON TWAIN Pro** and click **OK**.



click this arrow to
select your input source

If you're accessing a network scanner connected to another computer, select **EPSON TWAIN Pro Network** as your input source and click **OK**.



You can't select EPSON TWAIN Pro as your scanner source if you're using a network scanner and EPSON Scan Server is running. EPSON Scan Server disables EPSON TWAIN Pro.

3. Open your scanner driver from your application. If you are scanning in PhotoDeluxe, do one of the following:
 - Click the **Get & Fix Photo** button. Click the **Get Photo** tab, then click the **Scanners** button. Click the **1 Mode** tab, then click the **Custom** button.
 - Choose **File, Open Special**, then select **Scan Photo**.



The command you choose from the File menu depends on the host application. With some applications, you might choose **Acquire** or **Select Source** instead of **Open Special**.

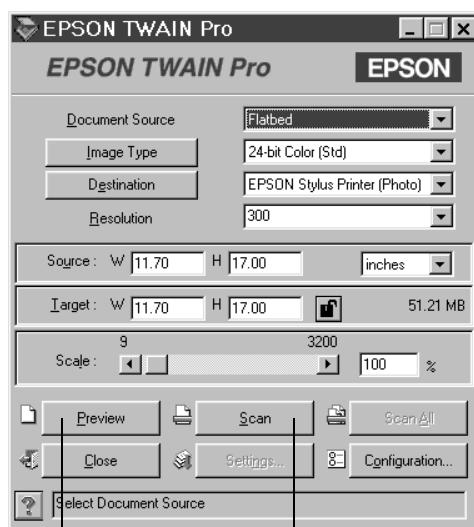
The EPSON TWAIN Pro main window appears.

4. Choose the Document Source, Image Type, and Destination.

For example, if you're scanning a photograph to print to an EPSON ink jet printer, select **Flatbed** as your Document Source, **24-bit Color [Std]** as your Image Type, and **EPSON Stylus Printer [Photo]** as the Destination.

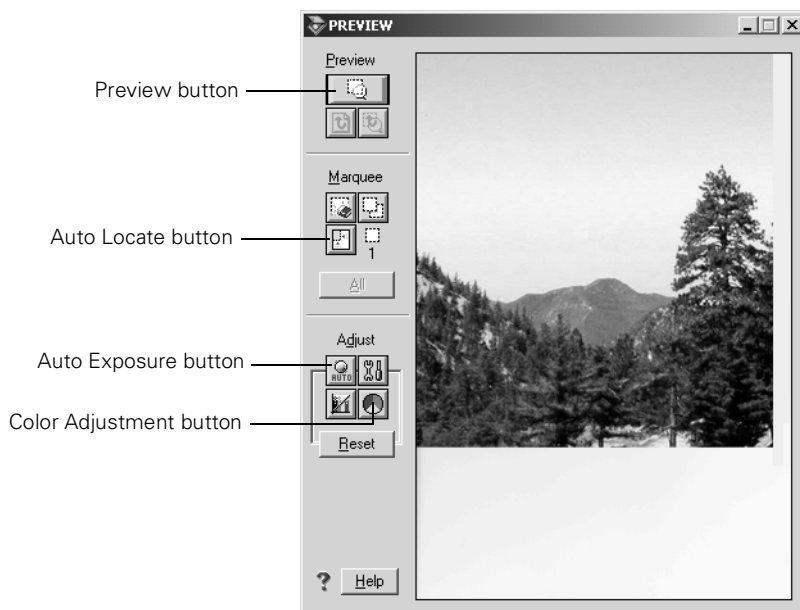
If you're using the optional automatic document feeder, select either **ADF - Single-sided** or **ADF - Double-sided** as your Document Source. (See "Loading Paper" on page 50 for more information.)

5. Click the **Preview** button. You see a preview of your scan in the window that opens.



click to display a preview of the image

click to start scanning




Preview button


Auto Locate button


Auto Exposure button

Color Adjustment button

6. Choose your scan settings.

Click the  **Auto Locate** button to automatically define the scan area around the edges of your image. You can also adjust the scan area by positioning the mouse pointer over the dotted line around the marquee's edge and dragging the box to resize the marquee.

Click the  **Color Adjustment** button and use the Gray Balance Intensity feature if you need to remove color cast from your image.

Click the  **Auto Exposure** button to automatically set the highlight and shadow exposure.



Generally it's a good idea to use the Auto Exposure button to obtain the best settings for your scan.

See your electronic *EPSON GT-10000+ Reference Guide* for more information about choosing settings.

7. When you've finished making adjustments, click the **Scan** button.

The **READY** light on the front of the scanner flickers while it's scanning. In a few moments, a scanned image is imported into your host application's window.


(If the **READY** light continues to blink, it may indicate an error condition. See Chapter 8, "Solving Problems," for more information.)

8. Click **Close** to close the EPSON TWAIN Pro or EPSON TWAIN Pro Network window and return to your application.




Don't leave photographs on the document table for long periods of time; they may stick to the glass.


Using the Start Button



You can load a document in the scanner, press the  Start button, and watch while Presto! PageManager starts and then scans, copies, faxes, or e-mails your document.

This section includes the following:


- How to set up the  Start button to launch other applications
- How to set up Presto! PageManager for one-touch scanning





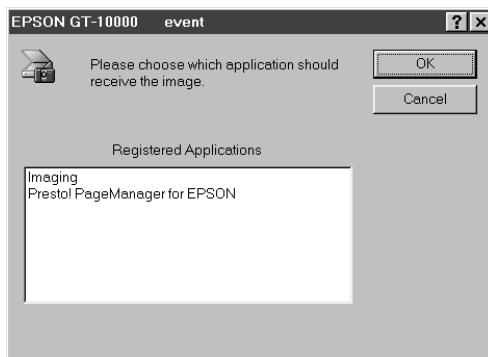
The  Start button features described in this chapter are only available when you use EPSON TWAIN Pro to access a scanner connected to your computer.

To use the  Start button with a network scanner, the client computer must start both the host application and EPSON TWAIN Pro Network. Pressing the  Start button sends the scanned image to the client computer currently connected to the scanner server, but does not automatically launch any applications.

Setting Up the Start Button


If you didn't install Presto! PageManager, you need to assign an application to the  Start button before you use it the first time.

If you're running Windows Me, Windows 98, or Windows 2000, whenever you press the  Start button you'll see a window asking you to choose which application to launch. To avoid this window, make sure that only one application is assigned to the  Start button. Continue with the next section, "Windows Me, Windows 98, and Windows 2000." If you're running Windows 95 or Windows NT 4.0, go to "Windows 95 and Windows NT 4.0" on page 62.

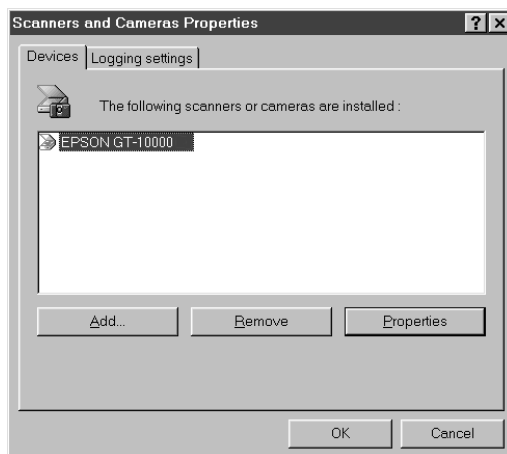



Windows Me, Windows 98, and Windows 2000

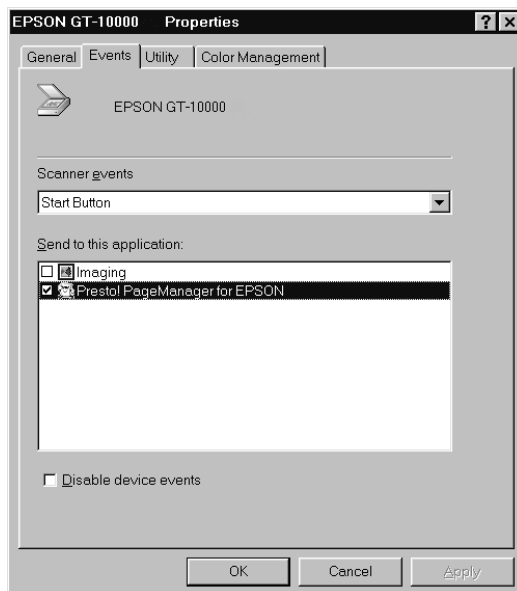
Follow these steps to assign an application to the  Start button:

1. Double-click the  Scanners and Cameras icon in the Windows Control Panel.
2. In Windows 98 or Windows 2000, the Scanners and Cameras Properties window appears. Select EPSON GT-10000, if necessary, and click Properties.


In Windows Me, the Scanners and Cameras folder opens. Double-click the EPSON GT-10000 icon.




3. Click the Events tab.
4. Make sure **Start Button** appears in the Scanner events box, then deselect any applications you don't want to use in the Send to this application list. When you finish, a check mark should appear only beside the application that you want to assign to the  Start button.
5. Click OK to close the EPSON GT-10000+ Properties window, then click OK again to close the Scanners and Cameras Properties window.




6. Follow the instructions in “Setting Up Presto! PageManager for One-Touch Scanning” on page 63 to set up Presto! PageManager for one-touch scanning.

Whenever you press the scanner’s  Start button, the application you assigned starts. If you assigned Presto! PageManager, it automatically starts EPSON TWAIN Pro. If you assigned another application, you must start EPSON TWAIN Pro manually.



You can disable the  Start button by clicking the Disable device events checkbox on the Events tab.

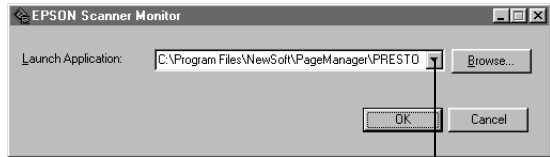
Windows 95 and Windows NT 4.0

You don’t need to assign an application to the  Start button if you want it to automatically launch Presto! PageManager. If you want it to launch a different application, follow the steps in this section.

1. Click the  Scanner Monitor icon located on your Windows taskbar.

If you don’t see the Scanner Monitor icon on your taskbar, click **Start**, **Programs**, **EPSON Scanner**, then **EPSON Scanner Monitor**. The icon should now appear on the taskbar.

2. Select **Preferences**. You see the EPSON Scanner Monitor window.



3. Do one of the following:


- Choose an application in the Launch Application list.
- Browse to another application on your hard drive. Select the application and click **Open** to close the Browse window. Your application’s path appears in the Launch Application box.

choose an application from the list


4. Click **OK** to close the EPSON Scanner Monitor window and save your setting.

Whenever you press the scanner’s  Start button, the application you assigned launches. You can then start EPSON TWAIN Pro.




Only Presto! PageManager automatically starts EPSON TWAIN Pro. If you assign another application to the  Start button, you must start your scanner driver manually.


Setting Up Presto! PageManager for One-Touch Scanning

You can set up Presto! PageManager to send your image directly to another application or utility, such as PhotoDeluxe or a fax utility, or to a peripheral device such as a printer. You can also suppress the EPSON TWAIN Pro user interface so the scanner uses the settings assigned in this procedure. If you use this shortcut, faxing or printing an image could be as easy as pressing the scanner's  Start button.

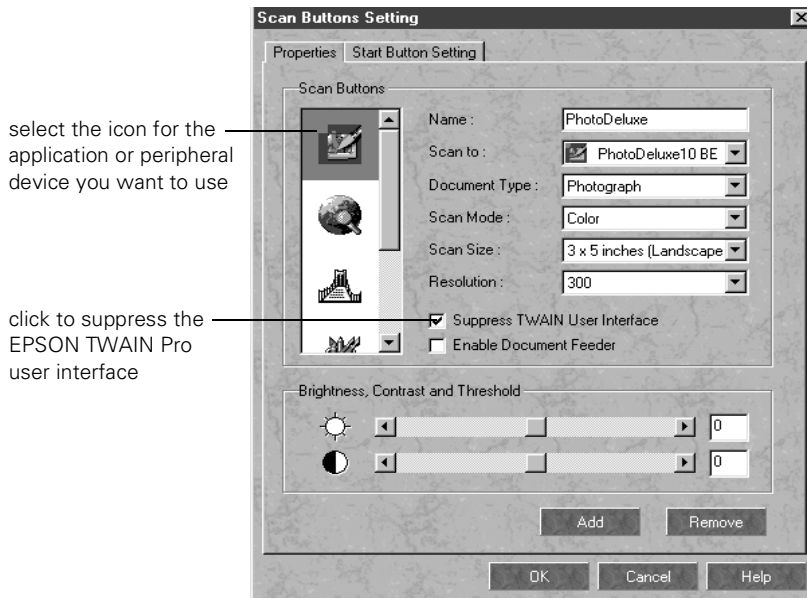



You can assign only one application or peripheral device at a time to the  Start button.

Follow these steps:


1. Start Presto! PageManager and select **Scan Buttons Setting** from the File menu.
2. In the Scan Buttons box, select the icon of the application you want to assign to the  Start button.

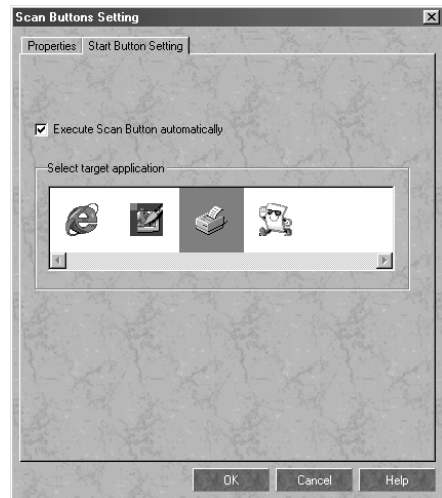
If your application doesn't appear in the Scan Buttons box, select it in the **Scan** list. Enter a name for the button in the Name box, and click the **Add** button.



3. Click the **Suppress TWAIN User Interface** checkbox to select it. The settings for your scan become active.
4. Choose the default settings for Scan Mode, Scan Size, and Resolution from the lists. These settings will be used whenever you press the scanner's  Start button.

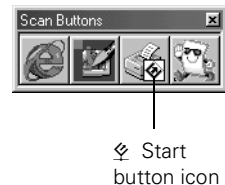
If you plan to use the optional automatic document feeder, select **Enable Document Feeder**. Make any other settings you want.

5. Click the **Start Button Setting** tab. You see the window on the right.
6. If necessary, scroll the Select target application box until you see the icon for your printer or program. (Programs or printers you added appear to the right.) Select the icon and click **OK** to assign it to the  Start button.



A  Start button icon appears next to the selected application in Presto! PageManager's Scan Buttons Palette.

See your electronic *Presto! PageManager User's Manual* for more information.



Scanning Tips

Getting the best scan possible depends on several factors, including the quality of your original and the resolution you select. The better your original, the better your scan will be. While you can make some corrections in your scanning software, you'll need to do major photo retouching in an image-editing program, such as Adobe PhotoDeluxe.

Selecting Resolution

Resolution refers to how many dots per inch (dpi) or dots per centimeter (dpcm) your image contains. The best resolution for a scanned image depends on the type of image you're scanning and your final output device.

As a rule of thumb for most images except line art, use a scanning resolution that is approximately one-third of your output resolution. For example, use a scanning resolution up to 100 dpi with a 300 dpi laser printer, and up to 200 dpi with a 600 dpi laser printer. For 1440 dpi ink jet printers, such as the EPSON Stylus® Color series, use a scanning resolution of up to 300 dpi. Try a scanning resolution of 240 dpi for 720 dpi printing.

Keep the following in mind when you choose a resolution:

- The higher the resolution you select, the larger the resulting image file will be. For example, an 8.5 × 11-inch original scanned at 300 dpi can produce a 24MB file. The same original scanned at 72 dpi creates a 1.3MB file. Large files take longer to process and print, so consider the practical limitations of your computer system and hard disk drive when selecting a resolution. To keep your file size manageable, select the lowest possible resolution that gives acceptable quality. (If your final output is for on-screen viewing, you can scan at 72 dpi and reduce your file size.)
- If you need to scan at a higher resolution, you can reduce the size of the resulting image file by scanning only part of the image. For information about selecting part of an image, see “Making and modifying marquees” in your electronic *EPSON GT-10000+ Reference Guide*.

Scanning Color Images

If the colors in your scanned image don't match those in your original document, try experimenting with the Unsharp Mask setting. Click the **Destination** button on the EPSON TWAIN Pro or EPSON TWAIN Pro Network main window to display the Destination window, and then select or deselect **Unsharp Mask**.

Scaling (Resizing) Images

If you plan to enlarge your image, it's better to enlarge it by scanning at a higher resolution rather than adjusting resolution in your application. Each time you modify an image, you lose some image quality.

Keep in mind when you enlarge a small photo, you'll need to scan at a high enough resolution to retain your image quality, but not so high that your file size is too large to be efficient.

Batch Scanning

You can use batch scanning to save time. Batch scanning allows you to scan several images at once, or the same image with several different settings.

For more information, see "Making and modifying marquees" in your electronic *EPSON GT-10000+ Reference Guide*.

Chapter 5

Scanning With the ISIS Driver

This chapter tells you how to install and configure the ISIS (Image and Scanner Interface Specification) driver for your application. ISIS is an industry-standard interface for high-performance document scanning. The ISIS driver for the EPSON GT-10000+ scanner is designed for OCR scanning either with or without the automatic document feeder (ADF).

You can use this driver with any application that supports ISIS drivers. Configure the ISIS driver for the type of scanning you do on a regular basis. Then you can quickly process individual scanning jobs without having to adjust any settings.






For a complete list of ISIS-compatible applications, visit the Pixel Translations web site at www.pixtran.com, and then click the Partners button.

Several scanning applications suppress the ISIS interface and default driver settings. Please check your software manufacturer's documentation for more information.

Installing the ISIS Driver

Before you install the ISIS driver, make sure your scanner and ADF are set up and connected to your computer. Make sure to install an ISIS-compatible application first, and then follow these steps:

1. Insert the EPSON GT-10000+ Scanner Software CD-ROM in your drive. Double-click the  **My Computer** icon on your desktop, and then double-click the  **GT10000+** CD-ROM icon. Open the ISIS folder, and then double-click the  **Setup.exe** icon.

2. When you see the Scanner Driver Setup window, click **Next**.
The driver files are copied to your hard drive.
3. When you see the **Setup Complete** message, click **Finish**.
4. Restart your computer.


If you're running Windows Me, Windows 98, or Windows 2000, continue with the next section.

If you're running Windows 95 or Windows NT 4.0, go to "Accessing the ISIS Driver" on page 69.

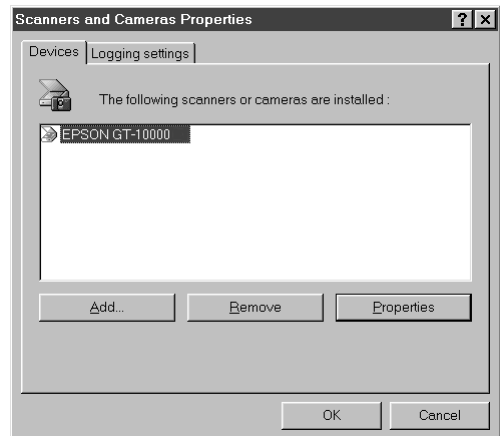


For Windows Me, Windows 98, and Windows 2000 Users

If you're running Windows Me, Windows 98, or Windows 2000, you need to disable scanner device events to use the ISIS driver. Follow these steps to complete the ISIS driver installation:

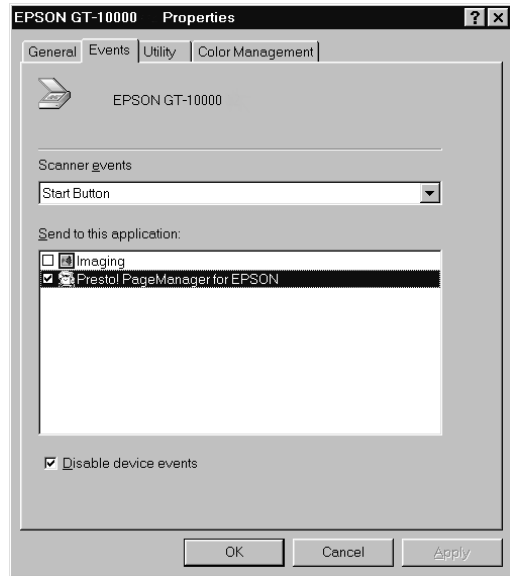
1. Double-click the  **Scanners and Cameras** icon in the Windows Control Panel.
2. In Windows 98, you see the window on the right. Select **EPSON GT-10000**, if necessary, and click **Properties**.

In Windows Me or Windows 2000, the Scanners and Cameras folder opens. Double-click the **EPSON GT-10000** icon.



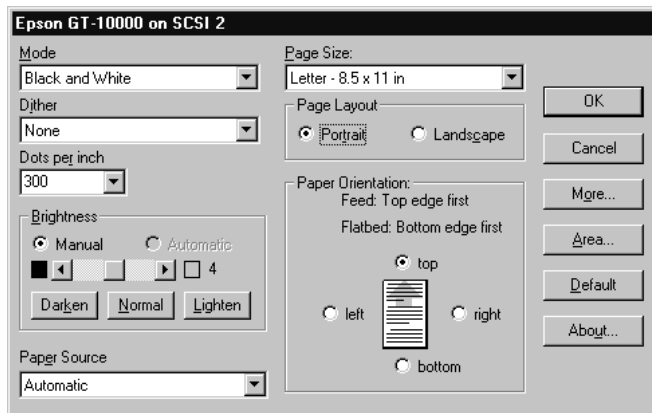
3. Click the **Events** tab.
4. Make sure the **Disable device events** box is checked.
5. Click **OK** to close the EPSON GT-10000 Properties window, and then click **OK** again to close the Scanners and Cameras Properties window.

Continue with the next section to access your ISIS driver.



Accessing the ISIS Driver

To access the ISIS driver settings window, follow the instructions in your application's documentation or online help. You must be running an application that doesn't suppress the ISIS interface to view an ISIS driver settings window similar to the screen below.



In some applications, some of these controls may appear in the Advanced Settings dialog box that appears when you click **More**.

Once you've accessed your ISIS driver settings window, you can make changes to the settings described in these sections:

- “Making Basic Settings” below
- “Making Advanced Settings” on page 73
- “Adjusting the Scan Area” on page 75

When you're done making your settings, click **OK** to return to your application.

Making Basic Settings

This section describes the basic settings you can make to configure the ISIS driver for your application.



In some applications, some of these settings may appear in the Advanced Settings dialog box that appears when you click **More**.

Mode

Make one of the following Mode settings:

- **Black and White**
Use this setting for scanning text and line art. It represents each pixel as black or white.
- **16-level Gray**
Use this setting for grayscale images or text mixed with images. It creates smaller files than the **256-level Gray** setting by representing colors and shades in 14 levels of gray plus black and white (4 bits per pixel).
- **256-level Gray**
Use this setting for grayscale images or text mixed with images. It represents colors and shades in 254 shades of gray plus black and white (8 bits per pixel).
- **24-bit Color**
Use this setting for scanning full-color images or text mixed with color images. It represents colors in eight shades of red, eight of blue, and eight of green, combining to produce 16 million colors (including black and white).

Dither

If you're scanning in the **Black and White** mode, you can choose one of the Dither settings below. These modes simulate grayscale scanning, but create smaller files.

- None (no dithering)
- Error diffusion mode A (hard) (hard tone)
- Error diffusion mode B (soft) (soft tone)
- Error diffusion mode C (net-screen)
- Dither mode A (4 × 4 Bayer dither pattern)
- Dither mode B (4 × 4 Spiral dither pattern)
- Dither mode C (4 × 4 net-screen dither pattern)
- Dither mode D (8 × 8 net-screen dither pattern)
- Download pattern A (download threshold values of the spiral pattern)
- Download pattern B (download threshold values of the left pattern)

Dots Per Inch

Select the resolution for your scan—usually the lowest resolution—that gets the results you want but still keep file sizes manageable.

For most OCR scanning, 200 to 300 dpi is recommended. If you're scanning photographs that may need to be enlarged, or artwork with fine lines, higher resolutions are recommended.

Brightness

You can adjust the brightness by moving the slider to one of seven available levels or click the **Darken**, **Normal**, or **Lighten** button. (The **Brightness Automatic** setting is not available with the EPSON GT-10000+.)

Paper Source

Make one of the following Paper Source settings:

- **Automatic**
Scans from the ADF if paper is inserted. If there isn't paper in the ADF, it scans the document table.
- **Flatbed**
Scans only from the document table.
- **Feeder**
Scans only from the ADF.
- **Duplex**
Select this setting if you want to scan double-sided documents using the ADF.

Page Size

Make sure all the pages of your document are the same size. Select the size of the document you're scanning, or select **Scanner's Maximum** to capture the entire document table area.

If the page size you're scanning isn't listed, select **Scanner's Maximum** and click the **Area** button. Then follow the steps in "Adjusting the Scan Area" on page 75.



Make sure the Page Size setting matches the size of the paper you want to scan.

The Scan Area option is only available when scanning from the document table.

Page Layout

Select **Portrait** if the top and bottom edges are shorter than the side edges. Select **Landscape** if the top and bottom edges are longer than the side edges.

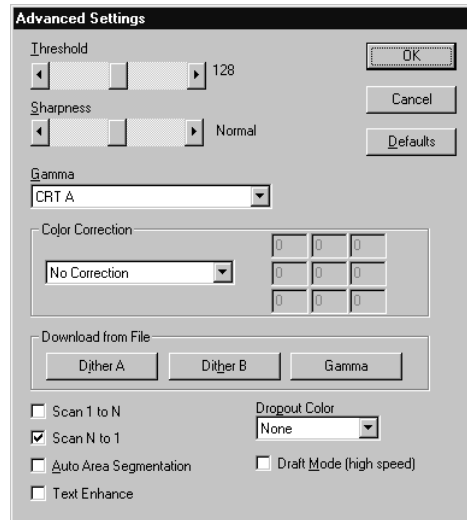
Paper Orientation

This setting indicates how to insert your document into the ADF (**Feed**), or how to place your paper on the document table (**Flatbed**).

Making Advanced Settings

To make advanced settings, click the **More** button in the ISIS driver settings window. You see the Advanced Settings window on the right.

You can make the settings described in this section. When you're finished, click **OK** to return to the ISIS driver settings window.



In some applications, some of the Basic Settings, described in the section above, may appear in the Advanced Settings window.

Threshold

Sets the point at which gray values in an image are represented in either black or white.

Sharpness

Sharpens the overall image, particularly the edges.

Gamma

You can select a setting for specific display destinations. The following settings let you map gamma or brightness values for grayscale scanning:

■ CRT A

Optimizes scanning of pages that will be displayed in black and white on a color monitor (gamma = 1.0).

- **CRT B (8-bit data)**
Optimizes scanning of pages that will be displayed in multiple shades of gray or in color on a color monitor (gamma = 1.8).
- **User defined**
Uses a gamma table file you've previously created in an application and downloaded using the Download from File **Gamma** button (see "Download from File" on page 74). If no gamma file is selected, the gamma is set according to the bit depth of the Mode setting.
- **Printer A/High density printing**
- **Printer B/Low density printing**
- **Printer C/High contrast printing**

Color Correction

Make one of the following Color Correction settings:

- | | |
|----------------------|-------------------|
| ■ No Correction | ■ User defined |
| ■ Impact-dot printer | ■ Thermal printer |
| ■ Ink-jet printer | ■ CRT monitor |

Download from File

Click the Dither A, Dither B, or Gamma button to download patterns you created in another application. Then select your downloaded file in the Dither or Gamma settings on the ISIS driver settings window.

Auto Area Segmentation

Turns on EPSON's Auto Area Segmentation (AAS) feature, which automatically turns on dithering for continuous tone images and turns it off for text to provide a clear separation. Be sure to select a Dither option for the AAS feature to use on your graphics.

Text Enhance

Turns on EPSON's Text Enhancement Technology (TET) feature to improve text recognition when you're scanning with OCR software. TET automatically adjusts the threshold setting and eliminates any background color or shading.

Dropout Color

Select a color that you don't want to appear in your document. Use this setting for forms designed so that lines on the form in the dropout color can be filled in, and then scanned without showing the lines.

Draft Mode [high speed]

Gives you the highest scan speed while sacrificing some quality.

Adjusting the Scan Area

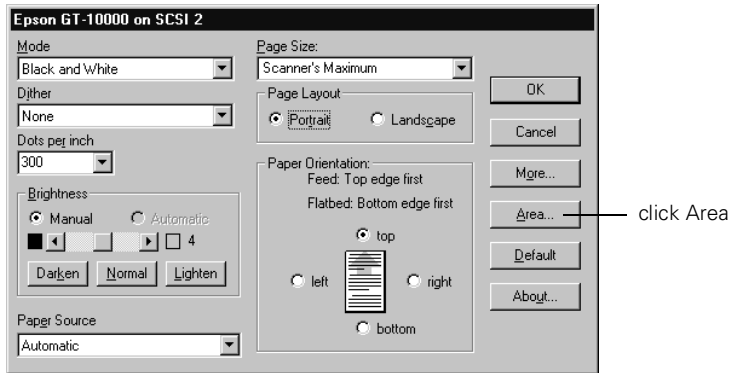
If the size of the page you want to scan is not available in the Page Size list on the ISIS driver settings window, you can use the Scan Area settings to create your own page size. Follow the steps below to set the scanning area.



The Scan Area setting is only available when scanning from the document table. When scanning with the ADF, you must select a standard paper size from the Page Size list.

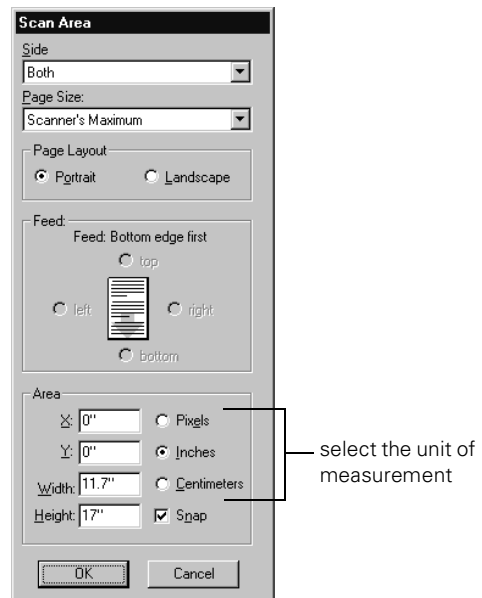
The Scan Area feature is not available with some applications.

1. Make sure you've selected **Scanner's Maximum** from the **Page Size** list in the **ISIS driver settings window**, and then click the **Area** button.



You see the **Scan Area** window similar to the one on the right.

2. Select **Both** from the **Side** list. (The **Side Front** and **Back** settings are not available with the EPSON GT-10000+.)
3. In the **Area** section, click the radio button for the unit of measurement you want to use for your page size.
4. Enter the **Width** and **Height** of your scan area.



The **X** and **Y** values determine the exact position of your paper on the document table.

The **X** value controls the horizontal centering. When placing a document in the upper left-hand corner of the document table, the **X** value is the width of the document subtracted from 11.7 inches.

The **Y** value controls the vertical centering. When placing a document in the upper left-hand corner of the document table, the **Y** value is the height of the document subtracted from 17 inches.

5. Click **OK** to return to the **ISIS driver settings window**.

Chapter 6

Network Scanning

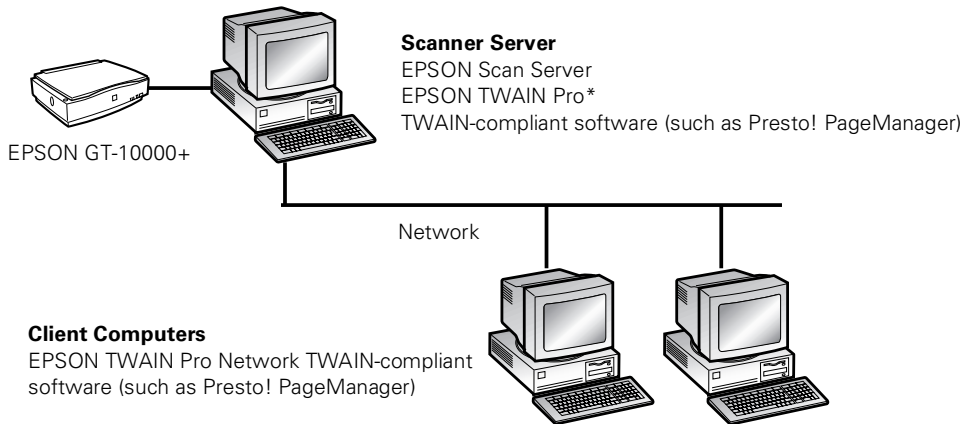
Before you can use the EPSON GT-10000+ as a network scanner, your computers must be configured and operational on an existing network with TCP/IP Protocol installed. Then you can use the EPSON Scan Server and EPSON TWAIN Pro Network software applications on your scanner software CD-ROM to share your scanner with other users in a small workgroup.

Your scanner network must have a scanner server (the Windows computer connected to the scanner) and at least one or more client computers. Only one client computer can access the scanner at a time. However, you can have more than one scanner and scanner server on a network, so clients can choose which scanner to use.

Your system must meet these minimum requirements for sharing a scanner:

- The network computer that you use as the scanner server must be an IBM-compatible computer running Windows Me, Windows 98, Windows 95, Windows 2000, or Windows NT 4.0 (Windows NT 4.0 with Service Pack 3, or later is recommended).
- Client computers must run Windows Me, Windows 98, Windows 95, Windows 2000, or Windows NT 4.0.
- Both the client computers and the scanner server must have a network interface card installed, and must be running the TCP/IP Protocol. (See Appendix A, “Installing the TCP/IP Protocol,” for instructions.)
- The network computer that you use as the scanner server must have EPSON Scan Server installed. EPSON TWAIN Pro Network must be installed on client computers to access the scanner over the network.

The illustration below shows a sample network configuration in which network scanning is available. The software you install depends on which computer you're setting up—a scanner server or client computer.



* If you installed EPSON TWAIN Pro on the scanner server so that you could make a direct connection to the scanner, remember that you must exit EPSON Scan Server to use EPSON TWAIN Pro. EPSON Scan Server disables EPSON TWAIN Pro.

Setting Up the Scanner Server

You can set up any Windows Me, Windows 98, Windows 95, Windows 2000, or Windows NT 4.0 computer as a scanner server, as long as it is configured and operational on an existing network with TCP/IP Protocol installed. If you don't have the TCP/IP Protocol installed on the scanner server, see Appendix A, "Installing the TCP/IP Protocol," for instructions.

Be sure to unlock the scanner and connect it to the scanner server using the SCSI cable that came with your scanner, or connect it using the optional IEEE 1394 interface, as described in Chapter 1, "Setting Up Your Scanner." Then install the scanner driver on the scanner server, as described in Chapter 2, "Installing Scanner Software."

Follow the instructions for your operating system to set up the scanner server:

- "Scanner Server Installation on Windows Me, Windows 98, and Windows 2000" on page 79.

- “Scanner Server Installation on Windows 95” on page 80.
- “Installing the Scanner Server Software for Windows NT 4.0” on page 83.




To install software on the client computers, see “Setting Up Client Computers” on page 86 instead.

Scanner Server Installation on Windows Me, Windows 98, and Windows 2000

Before your computer can share its scanner, you must install EPSON Scan Server. At the same time, you can install other software that came with your scanner. You can install Presto! PageManager on up to six computers on your network. Your scanner comes with a single-user license for PhotoDeluxe and TextBridge Pro. If you want to install these applications on additional computers, please contact the software manufacturer to purchase additional licenses.

Follow the steps below to install EPSON Scan Server, Presto! PageManager, TextBridge Pro, and Acrobat Reader. If any applications are already installed on your computer, you don’t need to install them again.

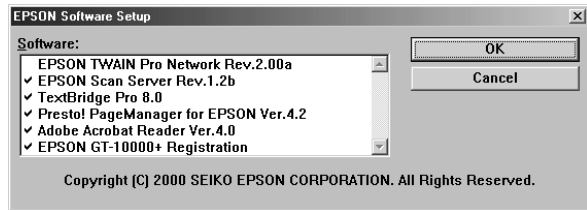
1. Insert your scanner software CD-ROM if it’s not already in your CD-ROM drive.

If you don’t see the screen on the right, double-click  My Computer on your desktop, then double-click the  Epson CD-ROM icon. If necessary, double-click the  Cdsetup.exe icon.

2. Click Add Software.



3. Select **EPSON Scan Server**. (A check mark appears beside applications selected for installation.) Click to select other software you want to install, or deselect software that you don't want. Then click **OK**.



Do not install EPSON TWAIN Pro Network to use the scanner connected to your computer—use EPSON TWAIN Pro instead. Only install EPSON TWAIN Pro Network if you want to use a GT-10000+ connected to another computer.

4. Follow the instructions on the screen to install EPSON Scan Server and any other software you selected in the software selection window.



If you're installing EPSON TWAIN Pro Network in order to use a scanner attached to another computer, you'll see a window that asks for the Network Scanner Address (the scanner server's IP address). Enter the IP address for the computer you want to connect to. (See page 88 for instructions.)




5. If you want to install PhotoDeluxe, see page 45 for instructions.
6. When you're done installing software, restart your computer. Then follow the instructions in Chapter 2 to test your scanner:
 - for Windows Me, see page 29
 - for Windows 98, see page 33
 - for Windows 2000, see page 42

Scanner Server Installation on Windows 95

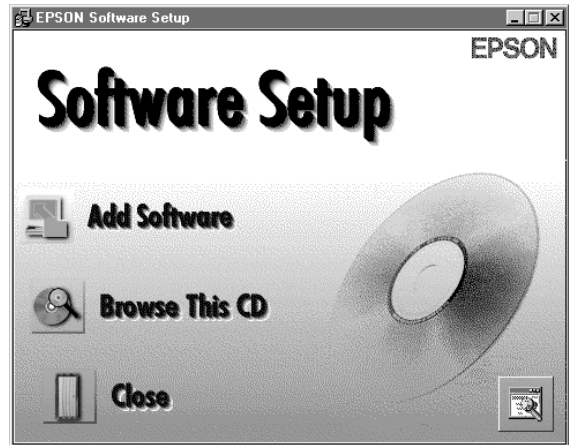
Before your computer can share its scanner, you must install EPSON Scan Server. At the same time, you can install other software that came with your scanner. You can install Presto! PageManager on up to six computers on your network. Your scanner comes with a single-user license for PhotoDeluxe and TextBridge Pro. If you want to install these applications on additional computers, please contact the software manufacturer to purchase additional licenses.

Follow the steps below to install EPSON Scan Server, Presto! PageManager, and Acrobat Reader. If any applications are already installed on your computer, you don't need to install them again.

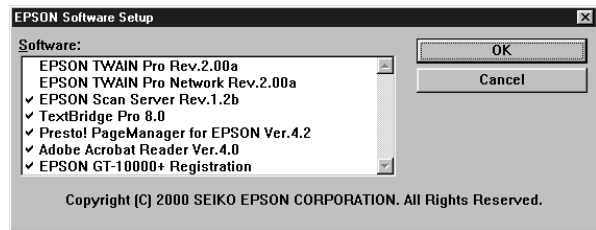
1. Insert your scanner software CD-ROM if it's not already in your CD-ROM drive.

If you don't see the screen on the right, double-click  My Computer on your desktop, then double-click the  Epson CD-ROM icon. If necessary, double-click the  Cdsetup.exe icon.

2. Click Add Software.



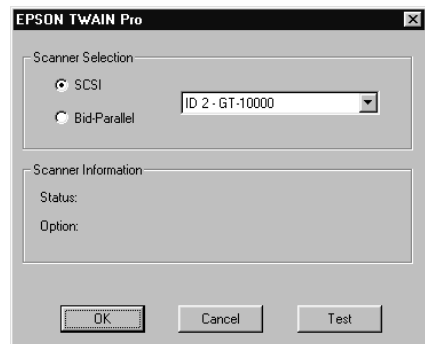
3. Select EPSON Scan Server. (A check mark appears beside selected applications.) Click to select other software you want to install, or deselect software you don't want. Then click OK.



Use EPSON TWAIN Pro to scan from the EPSON GT-10000+ connected to your computer. Only install EPSON TWAIN Pro Network if you want to access a network scanner connected to another computer.

4. If you're not installing EPSON TWAIN Pro, go to step 7.

If you're installing EPSON TWAIN Pro, follow the instructions on the screen. When you see the window on the right, make sure **SCSI** and **GT-10000** are selected under Scanner Selection.



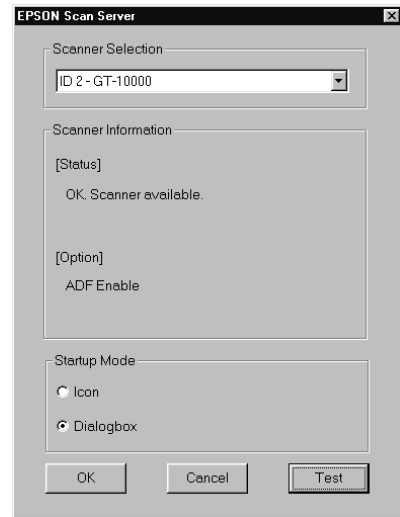


If you're installing EPSON TWAIN Pro Network in order to use a scanner attached to another computer, you'll see a window that asks for the Network Scanner Address (the scanner server's IP address). Enter the IP address for the scanner server you want to connect to. See page 88 for instructions. Then continue with step 5 below.

5. Click **Test** to check scanner operation. If the scanner is communicating with your computer, you see **Status: Device Reader** under Scanner Information. Click **OK** to close the window.
6. Follow the instructions on the screen to install EPSON Scan Server. When you see the window on the right, make sure **GT-10000** is selected under Scanner Selection.

Select either **Icon** or **Dialogbox** as the scanner server start up mode. (See "Changing the Scanner Server Start Up Mode" on page 85 for details about the start up mode.)

7. Click **Test** to test scanner operation. **OK. Scanner available** appears under Status if the scanner is communicating with the scanner server. Then click **OK**.



If you want to share a different network scanner with the client computers, you can access the EPSON Scan Server window at any time by double-clicking the EPSON Scan Server icon in the Windows Control Panel. Then select the scanner you want in the Scanner Selection list.

8. Follow the instructions on the screen to complete installation of additional software you selected in the software selection window.
9. If you want to install PhotoDeluxe, see page 45 for instructions. When you're done installing software, restart your computer.




Installing the Scanner Server Software for Windows NT 4.0

Before your computer can share its scanner, you must install EPSON Scan Server. At the same time, you can install other software that came with your scanner. You can install Presto! PageManager on up to six computers on your network. Your scanner comes with a single-user license for PhotoDeluxe and TextBridge Pro. If you want to install these applications on additional computers, please contact the software manufacturer to purchase additional licenses.

Follow the instructions below to install your EPSON GT-10000+ software from your scanner software CD-ROM. If any applications are already installed on your computer, you don't need to install them again.

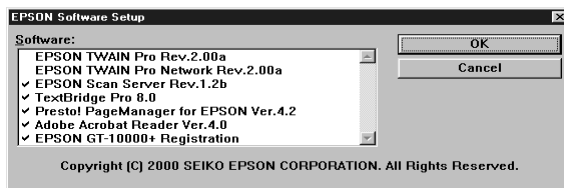
You may be asked to insert your Windows CD-ROM during this procedure. Make sure you have your Windows CD-ROM available, or know where to find the Windows source files on your hard drive. If you need help locating your source files, contact your computer manufacturer.

1. Make sure your SCSI board and SCSI driver are installed and the scanner is connected to your computer.
2. Turn on your scanner first, then turn on your computer.
3. Log onto Windows NT and insert your EPSON GT-10000+ Scanner Software CD-ROM in your drive.
4. When you see the EPSON Software Setup window, click Add Software.

If you don't see the screen on the right, double-click  My Computer on your desktop, then double-click the  Epson CD-ROM icon. If necessary, double-click the  Cdsetup.exe icon.



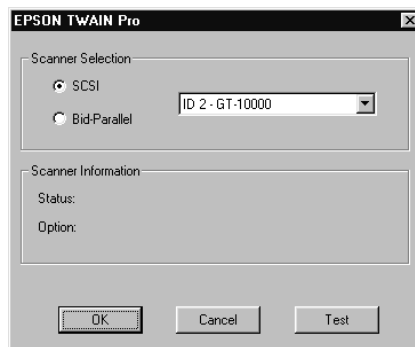
5. Select **EPSON Scan Server**. (A check mark appears beside selected applications.) Click to select other software you want to install, or deselect software that you don't want. Then click **OK**.



Select **EPSON TWAIN Pro** if you want to scan from the **EPSON GT-10000+** connected to your computer. Only install **EPSON TWAIN Pro Network** if you want to access a network scanner connected to another computer.

6. If you're not installing **EPSON TWAIN Pro**, go to step 9.

If you're installing **EPSON TWAIN Pro**, follow the instructions on the screen. When you see the window on the right, make sure **SCSI** and **GT-10000** are selected under **Scanner Selection**.



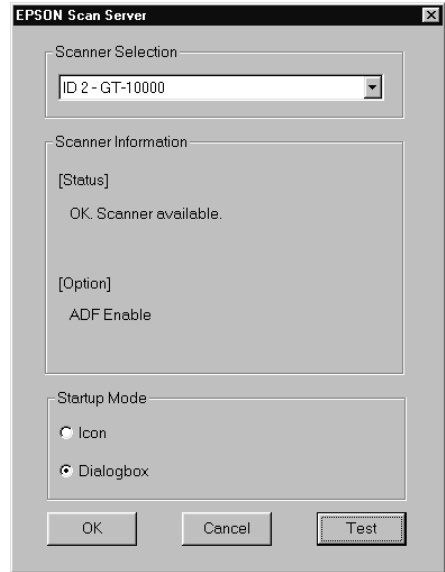
If you're installing **EPSON TWAIN Pro Network** in order to use a scanner attached to another computer, you'll see a window that asks for the **Network Scanner Address** (the scanner server's IP address). Enter the IP address for the scanner server you want to connect to. See page 88 for instructions. Then continue with step 7 below.

7. Click **Test** to check scanner operation. If the scanner is communicating with your computer, you see **Status: Device Reader** under **Scanner Information**. Click **OK** to close the window.

- Follow the instructions on the screen to install EPSON Scan Server. When you see the window on the right, make sure **GT-10000** is selected under Scanner Selection.

Select either **Icon** or **Dialogbox** as the scanner server start up mode. (See “Changing the Scanner Server Start Up Mode” below for details about the start up mode.)

- Click **Test** to test scanner operation. **OK. Scanner available** appears under Status if the scanner is communicating with the scanner server. Click **OK** to close the window.



If you want to share a different network scanner with the client computers, you can access the EPSON Scan Server window at any time by double-clicking the EPSON Scan Server icon in the Windows Control Panel. Then select the scanner you want in the Scanner Selection list.

- Follow the instructions on the screen to complete installation of any other software you’ve selected in the EPSON Software Setup window. If you’re done installing software, restart your computer.

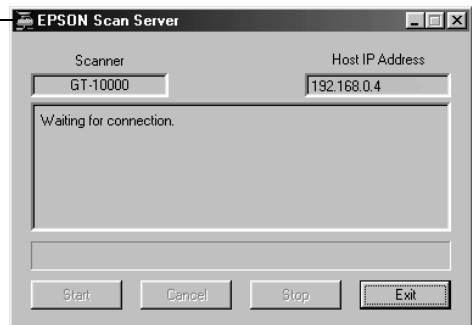
If you want to install PhotoDeluxe, see page 45 for instructions.


Changing the Scanner Server Start Up Mode

You can set up the scanner server to start in either Dialog Box or Icon mode.

In Dialog Box mode, the window below appears whenever you start EPSON Scan Server.

click here and select Taskbar Icon to switch to Icon mode



In Icon mode, the  EPSON Scan Server icon appears on the Windows taskbar whenever you start EPSON Scan Server.

- To switch from Dialog Box mode to Icon mode, click the scanner icon in the upper left corner of the dialog box and select **Taskbar Icon** from the list.
- To switch from Icon mode to Dialog Box mode, right-click the EPSON Scan Server icon on the taskbar and click **Taskbar Icon** to deselect it.

Your setting takes effect when you exit and start EPSON Scan Server. See “Starting EPSON Scan Server” on page 89 for instructions on restarting EPSON Scan Server.



Make sure no client computer is accessing the scanner server when you exit EPSON Scan Server. (The Scan Server dialog box should show the following message: Waiting for Connection.)

Setting Up Client Computers




You can set up any Windows Me, Windows 98, Windows 95, Windows 2000, or Windows NT 4.0 computer as a client, as long as it is configured and operational on an existing network with the TCP/IP Protocol installed. To set up a client computer, you'll need to know the IP address or host name of the scanner server. Also, make sure the TCP/IP Protocol is installed. (See Appendix A, “Installing the TCP/IP Protocol,” for instructions, if necessary.)

Installing the Software

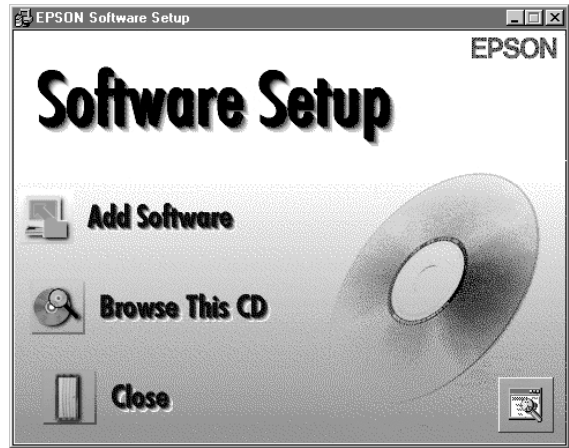
You must install EPSON TWAIN Pro Network on the client computer before the client can use the network scanner. You can install Presto! PageManager on up to six computers. Your scanner also comes with a single-user license for PhotoDeluxe and TextBridge Pro. If you want to install these applications on additional computers, please contact the software manufacturer to purchase a site license.

Follow these steps to install the client software:

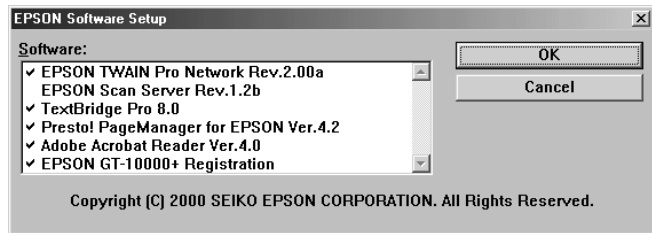
1. Insert your scanner software CD-ROM if it's not already in your CD-ROM drive.

If you don't see the screen on the right, double-click  My Computer on your desktop, then double-click the  Epson CD-ROM icon. If necessary, double-click the  Cdsetup.exe icon.

2. Click Add Software.

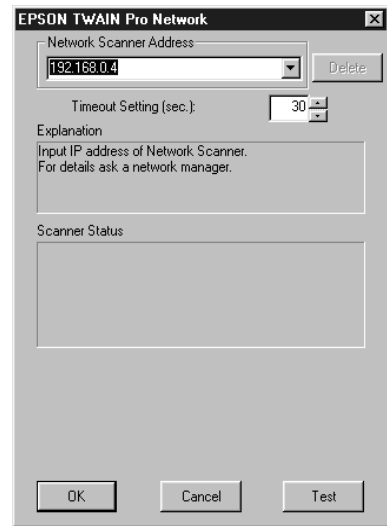


3. Select EPSON TWAIN Pro Network. (A check mark appears beside selected applications.) Click to select any other software you want to install, or deselect software that you don't want. Then click OK.



If you're installing the scanner software on Windows 95 or Windows NT, click EPSON TWAIN Pro to deselect it. EPSON TWAIN Pro only works if the scanner is connected to your computer.

4. Follow the instructions on the screen to continue the installation. When you see the window on the right, enter the IP address of the scanner server in the Network Scanner Address box.
5. Click **Test** to test the connection. If your computer is communicating with the scanner server and the scanner is on, you see a message that the scanner is available. Then click **OK** to save your settings.



If you need to connect to a different network scanner or change the timeout setting, you can open the EPSON TWAIN Pro Network window anytime by double-clicking the **EPSON TWAIN Pro Network** icon in the Control Panel. You can enter up to five IP addresses or host names in the Network Scanner Address box.

6. Follow the instructions on the screen to complete installation of any other software you've selected in the EPSON Software Setup window.
7. If you want to install PhotoDeluxe, see page 45 for instructions. When you're done installing software, restart your computer.

Using a Network Scanner


Here are a few guidelines for network scanning:



- Turn on the scanner first. The computer you've set up as a scanner server must also be turned on and running EPSON Scan Server.
- Place your document on the scanner or in the optional automatic document feeder. (See Chapter 4, "How to Scan," for details.)

- From a host application (such as Presto! PageManager) on the client computer, start EPSON TWAIN Pro Network to establish a connection to the scanner server.





Only one client computer can access the scanner server at a time. (See “Starting EPSON TWAIN Pro Network” on page 90 for instructions.)

- Start the scan from EPSON TWAIN Pro Network on the client computer, or press the scanner’s  Start button to start the scan from the scanner server.


If you want to scan more than one image with the  Start button, place your second image on the document table and press the scanner’s  Start button. Repeat this step for every image you want to scan.

- Your scanned images appear in the host application’s window on the client computer. Close EPSON TWAIN Pro Network to end your connection to the scanner server and allow other client computers to use the scanner.



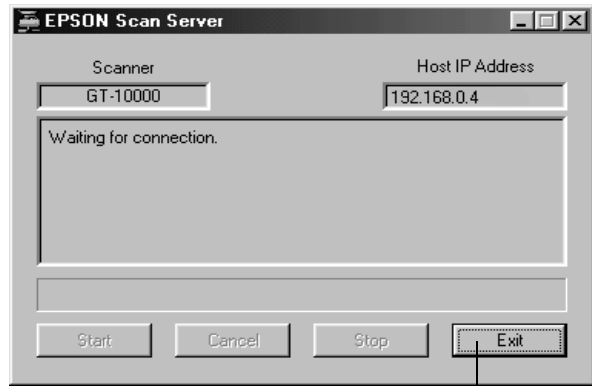
When you press the  Start button, some applications automatically close the client computer’s connection to the scanner server when the scan is finished. You can’t use the  Start button to scan multiple images if you’re using these applications.

Starting EPSON Scan Server

EPSON Scan Server starts automatically whenever the scanner server is turned on. When EPSON Scan Server is running, you see either the EPSON Scan Server dialog box, or the  EPSON Scan Server icon on the Windows taskbar. If you need to start EPSON Scan Server manually, click **Start, Programs, EPSON Scan Server**, and then select **EPSON Scan Server**.

You can quit EPSON Scan Server at any time. Just click the **Exit** button on the EPSON Scan Server dialog box.

Before you exit, make sure no client computers are trying to use the scanner. Don't exit if the status area of the EPSON Scan Server dialog box indicates that you are connecting to a client. Wait until you see the message **Waiting for connection.**



click to exit



If you installed EPSON TWAIN Pro on the scanner server so that you could make a direct connection to the scanner, remember that you must exit EPSON Scan Server to use EPSON TWAIN Pro. EPSON Scan Server disables EPSON TWAIN Pro.

Starting EPSON TWAIN Pro Network

When you start EPSON TWAIN Pro Network on your client computer, you connect to the scanner server. Only one client computer can access the scanner server at a time. Follow these steps:

1. Start your host application.
2. Select EPSON TWAIN Pro Network as your source, or scanner driver. (You need to do this step only once.)

For example, if you're using Presto! PageManager for EPSON as your host application, choose **Select Source** from the File menu. In the Select Source window, choose **EPSON TWAIN Pro Network** and click **Select**.



The command you choose from the File menu depends on the host application. With some applications, for example, you might choose **Import** or **Select TWAIN_32 Source**.


3. Start EPSON TWAIN Pro Network.

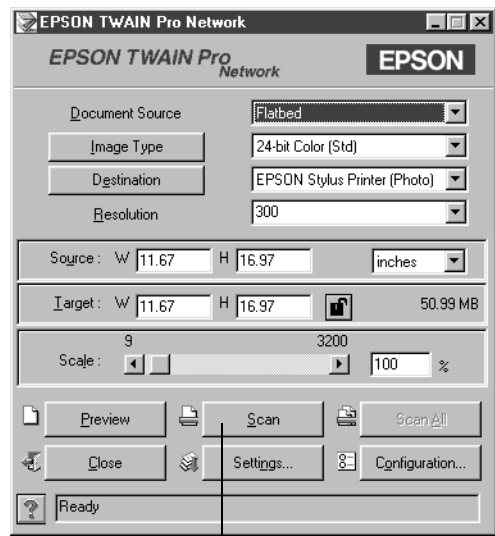
If your host application is Presto! PageManager for EPSON, choose **Acquire** from the File menu. When EPSON TWAIN Pro Network starts, the EPSON TWAIN Pro Network main menu appears and you connect to the scanner server.

Since the settings and controls for EPSON TWAIN Pro Network are the same as those for EPSON TWAIN Pro, see “Scanning From Start to Finish” on page 56 for scanning instructions. For more detailed information about the settings, see the *EPSON GT-10000+ Reference Guide* on your scanner software CD-ROM.

Starting a Network Scan

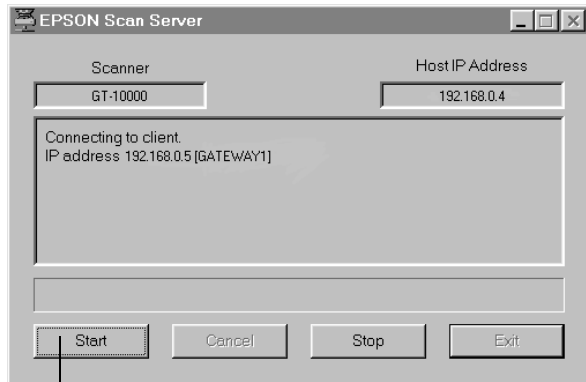
You can start a scan on your network scanner in several ways. For each method, you must first start EPSON TWAIN Pro Network on the client computer to connect to the scanner server. Then, do one of the following:

- Start EPSON TWAIN Pro Network on the client computer, make your scan settings, and click the **Scan** button on the EPSON TWAIN Pro Network main window. The scanned image is imported into your host application’s window.
- Press the  Start button on the scanner to send the scanned image to the client computer that is currently connected to the scanner server.



click to start a scan from
the client computer

- Click the **Start** button on the EPSON Scan Server dialog box to send the scanned image to the client computer currently connected to the scanner server.



click to start a scan from the scanner server

Stopping a Network Scan in Progress

You can stop a network scan in progress from either the client computer or the scanner server:

- To cancel a scan from the client computer, click the **Cancel** button on the Progress bar.
- To cancel from the scanner server, click the **Cancel** button at the bottom of the EPSON Scan Server dialog box.
- To break the connection between the client computer and the scanner server, click the **Stop** button on the EPSON Scan Server dialog box. This closes EPSON TWAIN Pro Network on the client computer and allows other client computers to connect to the scanner server.

Chapter 7

Maintaining and Transporting Your Scanner

This chapter explains how to care for your scanner and prepare it for a move.

Cleaning the Scanner

To keep your scanner operating at its best, you should clean it periodically. Before cleaning it, turn the scanner off and unplug its power cable. Then clean the outside with a soft cloth using mild detergent diluted in water.

If the glass of the document table gets dirty, clean it with a soft, dry, lint-free cloth. If grease or other hard-to-remove material gets on the glass, remove it with a small amount of glass cleaner on a soft, lint-free cloth. Wipe off any remaining moisture with a dry, lint-free cloth.

Do not:

- Scratch or damage the document table glass.
- Use a hard or abrasive brush to clean the scanner.
- Use alcohol, thinner, or corrosive solvents.
- Spill liquids into the scanner mechanism or electronic components.
- Spray lubricants inside the scanner.

Replacing the Fluorescent Lamp

The luminosity of the fluorescent lamp declines over time. If the lamp breaks or becomes too dim to operate normally, the scanner stops working and both the READY and ERROR lights flash. If this happens, the lamp assembly may need to be replaced. Contact EPSON. (See “Where To Get Help” on page 109.)

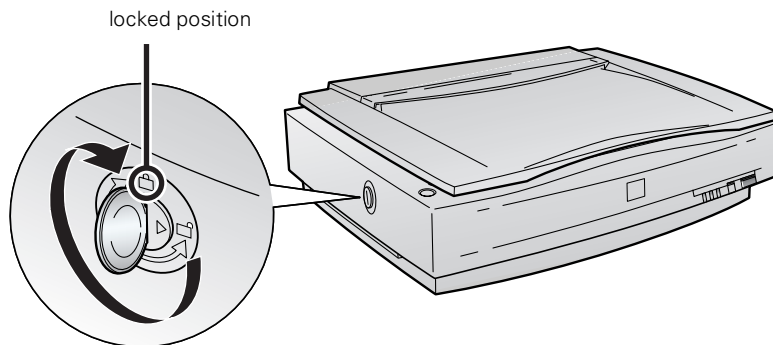


Never open the case of the scanner. If you think repairs or adjustments are necessary, contact EPSON.

Transporting the Scanner

If you need to transport the scanner or store it for an extended period, you must secure the carriage beforehand. Turn on the scanner and wait until the carriage moves to the home position (the left side). Then turn off the scanner.

Turn the transportation lock to the locked position to secure the carriage.



If the scanner is inoperable, the carriage may not automatically return to the home position. If it doesn't, raise the right side of the scanner and hold it up until the carriage comes to rest at the left side. Then turn the transportation lock to the locked position.

Chapter 8

Solving Problems

This chapter helps you diagnose and solve scanner problems. It explains how to upgrade your computer system to improve scanner performance and how to interpret the scanner's lights. It also provides solutions to common set-up and software problems.

For additional software troubleshooting tips, see the “Troubleshooting” chapter of your electronic *EPSON GT-10000+ Reference Guide*. For paper jam problems in the optional ADF, see “Fixing Paper Jams” on page 53.

Upgrading Your System

To improve your image processing speed and the appearance of the images on your monitor, you can add the following items to your system:

- **Additional memory.** Scanned images use much more memory than text files, so you may need more RAM in your computer and a larger hard disk.
- **Accelerator board.** You may want to increase your system's processing speed; large files take longer to process than small ones.
- **Video card.** If your scanned images look grainy or have poor gradient fills on your monitor, you may want to upgrade your video card. You'll need 24-bit color (also called true color or millions of colors) or better for the highest-quality image reproductions.
- **High resolution monitor.** The resolution of your monitor also affects the quality of the image you see. Consider a high resolution monitor if you do precise color work, but be sure you have a compatible video card.
- **Compression software.** Many different programs are available to make image files smaller for storage or transmission. For example, they can enable you to store a 3MB image file on a 1.44MB diskette. Compression software can compress images and restore them with virtually no loss of data or quality.

Indicator Lights

If an error occurs, the scanner stops operating. The READY and ERROR lights indicate the type of error.

Light	Light status	Color	Scanner status
OPERATE	On	Green	Scanner is on.
READY	On	Green	Ready to scan images.
	Flashing		Scanning is in progress.
ERROR	On	Red	An error occurred; see the following table for more information.
	Flashing		

ERROR light	READY light	Error type	Solution
On	On	Command error	The scanner has received incorrect commands from your scanning software. Try rescanning the document.
Flashing	Off	Interface error	Check that your scanner is securely connected to your computer, and then turn the scanner off and back on again.
Flashing	Flashing	Fatal error	Make sure the transportation lock is in the unlocked position, then turn the scanner off and on again. If this doesn't solve the problem, call your EPSON dealer.
Off	Off	Option error	Check to make sure the optional automatic document feeder (ADF) is installed correctly, and that it's lying flat on the document table. Also, check that the ADF isn't out of paper and doesn't have a paper jam. If this doesn't solve the problem, call your EPSON dealer.

Problems and Solutions

If you're having problems, check this section for solutions.

Setup Problems

You can't install the scanner software

Make sure your computer meets the system requirements. See page 126.

Your system doesn't recognize the SCSI board

- Make sure your SCSI board is installed correctly. If it isn't seated firmly in the PCI slot, the computer may not recognize it.
- Check the Plug and Play option for your computer; it should be active.
- Check for IRQ conflicts with built-in options. (Contact your system administrator, if necessary.)

Your system doesn't recognize the scanner

- Check your cable connections. If your cable is securely connected, try another cable. Then restart your computer.

- Make sure your scanner is turned on. If you opened your host application before you turned on the scanner, close your application and reopen it. If that doesn't work, restart your system.
- Check the Plug and Play option for your computer; it should be active.
- Turn off both your scanner and computer. Then turn on your scanner before you turn on the computer.
- Make sure your SCSI board is installed correctly.
- If the SCSI board is found, but not the scanner, check the SCSI terminator and ID. Make sure the SCSI ID doesn't conflict with another SCSI device.
- Uninstall and reinstall your scanner software, as described on page 107.

Your scanner name doesn't appear in the Scanner Selection list when installing EPSON TWAIN Pro

- Check your cable connections, or try another cable. Restart your computer after you change the cable.
- Turn off both your computer and the scanner. Then turn on the scanner before you turn on the computer.
- Make sure your system is correctly terminated and there are no conflicting SCSI IDs. (See Chapter 1.)
- Run the scanner test to make sure the scanner is communicating with your computer. (See Chapter 2 or Chapter 6.)
- Uninstall and reinstall your scanner software as described on page 107.
- If you're running Windows 95 or 98, double-click the **Unknown Devices** icon in the Windows Device Manager. If GT-10000 appears in the list of unknown devices, select it and remove it from the system. Then restart your computer and reinstall the scanner software.

You are unable to connect to the scanner when you click the Test button

- Check to make sure your cable is securely connected to both the scanner and computer.
- Try a different cable. Restart your computer after you change the cable.
- Turn off both the scanner and your computer. Then turn on your scanner before you turn on the computer.
- Make sure your system is correctly terminated and there are no conflicting SCSI IDs. (See Chapter 1.)
- If you're using the scanner on a network, check with your network administrator to see whether your computer is on a different router than the scanner server. If it is, make sure the router for the scanner server is configured to allow traffic from your network.
- Uninstall and reinstall your scanner software as described on page 107.

Scanner Problems

The OPERATE light doesn't come on or blinks slowly

Check the scanner power cord. Make sure the power cord is securely plugged into the scanner and the power outlet, and that the scanner is turned on. Also, check that the power outlet is working and provides sufficient power for the scanner.

The READY light doesn't come on or flashes

- Check the scanner power cord. Make sure the power cord is securely plugged into the scanner and the power outlet, and that the scanner is turned on.
- Check that the power outlet is working and provides sufficient power for the scanner.
- If you're using an automatic document feeder and both the READY and ERROR lights are off, make sure it is closed (lying flat against the document table). Also, make sure the automatic document feeder doesn't have a paper jam and isn't out of paper. (See Chapter 3.)

The scanner doesn't scan your image

- Make sure the scanner is ready to scan. Wait until the READY light stops flashing and remains on.
- Check your image source setting. Make sure EPSON TWAIN Pro is selected, or, if you are printing over a network, make sure EPSON TWAIN Pro Network is selected.
- Run the scanner test to make sure the scanner is communicating with your computer. (See Chapter 2 or Chapter 6.)
- Make sure you have enough memory to scan your image. If you're scanning a large image or scanning at a high resolution, try closing other programs before you scan. If your computer still doesn't have enough memory to process the image, try scanning at a lower resolution, or select part of the image to scan.
- Make sure the SCSI terminator is set up correctly and the scanner's SCSI ID doesn't conflict with another SCSI device. (See Chapter 1.)

- If you're using a network scanner, the scanner may have timed out. Check the time out setting on the EPSON TWAIN Pro Network window and increase the value, if necessary. (See Chapter 6.)

If you're using an optional automatic document feeder

- Make sure the unit is correctly installed and connected to the scanner's ADF interface. (See Chapter 3.)
- Make sure you're selecting the correct Document Source setting.
- Make sure your automatic document feeder is closed (lying flat against the document table).
- If paper is jammed in your automatic document feeder, see "Fixing Paper Jams" on page 53.

If you installed a ZIP drive and SCSI card

Your ZIP drive may be interfering with your scanner. Disable your ZIP drive, then try using the scanner. Check your System Device Manager in the Control Panel. For Windows NT 4.0, check SCSI Adapters in the Windows Control Panel.

Software Problems

You can't start EPSON TWAIN Pro

- Make sure the scanner's READY light is on.
- Make sure your cable is securely connected to both the scanner and computer.
- Try a different cable. Restart your computer after you change the cable.
- Don't turn the scanner off and on while you're using your computer; an error may occur. Turn both the scanner and computer off, then turn on the scanner before you turn on the computer.
- Make sure the SCSI interface board and software are installed correctly in your computer. (See Chapter 1.)
- Check that your system recognizes your scanner and SCSI board. Check your System Device Manager in the Control Panel. For Windows NT 4.0, check SCSI Adapters in the Windows Control Panel.

- Check for conflicts in your SCSI ID number setting, I/O address, the interrupt setting for your SCSI board, and other settings. For information about the SCSI ID setting, see page 11. For information about choosing other settings, see your computer manual.
- Check your image source setting in the Select Source window. Make sure you selected **EPSON TWAIN Pro**. (If you also installed EPSON Scan Server on your computer, make sure it's not running.)
- If you don't see **EPSON TWAIN Pro** in the Select Source window, uninstall your software, then reinstall it. See the instructions on page 107.
- If you have another EPSON scanner and have a previous version of EPSON TWAIN installed, uninstall the older version. See the instructions for uninstalling software on page 107.

You can't start EPSON TWAIN Pro Network from a client computer

- Make sure the scanner, the scanner server, and EPSON Scan Server are turned on and running. (See Chapter 6.)
- Make sure the cables connecting the scanner, the scanner server, and the client computer meet the system requirements on page 126 and are properly connected.
- Make sure the correct IP address for the scanner server is entered in the EPSON TWAIN Pro Network window for the client computer. (See page 88.)
- Make sure the network interface card is installed correctly in both the scanner server and the client computer.
- Make sure both the scanner server and client computer are running the TCP/IP protocol. (If you need to install TCP/IP, see Appendix A.)
- If more than one scanner is connected to the scanner server, make sure the EPSON GT-10000 is selected as the default scanner.

The scanner software doesn't work properly

- Make sure the system requirements (especially, the operating system version) are correct for your software. See page 126.
- Check your computer's memory. If you're running other software at the same time, using RAM resident programs, or have many device drivers, the computer may not have enough memory. (See your software and computer manuals.) If you're scanning a large image or scanning at a high resolution, your computer may not have enough memory to process the image.
- Check your software installation. Make sure that your software is correctly installed and set up. If all else fails, uninstall your software, then reinstall it, as described on page 107.

You can't select the automatic document feeder as your Document Source

- Make sure the ADF is installed properly (see page 48). If necessary, reinstall it, then restart your computer.
- Make sure your scanner is turned on. Restart your computer after you turn it on.

Scanning Problems



The file size is too big

Adjust your scan settings. Try selecting a lower resolution (dpi), or scan only part of the image.



Your scanned image is faint or has gaps

- Check the brightness. Decrease the software or driver's brightness setting.
- Try adjusting the Gamma and Exposure settings.
- Check the condition of your original. If the document is damaged, dirty, or wrinkled, these imperfections will show up in your scan.
- Make sure the document is placed flat against the document table.



Your scanned image is blurred or distorted

- Check the position and condition of your document. Make sure the document is placed flat against the scanner's document table glass. If only part of the image is blurred, part of your document may be wrinkled or warped.
- Make sure the document table glass is clean.
- Make sure the scanner is on a flat, stable surface.



The edges of the document aren't scanned

- Check the position of your document. Adjust it so that the image is within the glass area of the document table.
- If colors are patchy or distorted at the edges of the image, the document may be too thick, or there may be outside light interfering with the scan.



Your image scans at an angle or straight lines in the image come out jagged

Check the position of your document. It may be placed at an angle on the document table. Align it so the horizontal and vertical edges are carefully aligned with the scales on the top and side of the document table.

The colors in your scanned image look strange, or look different than the colors in the original document

- Make sure the Image Type and Destination settings are correct.

- Try different combinations of gamma and color settings in your scanner software.
- If you're using an automatic document feeder, make sure it's closed when scanning.
- Make sure Unsharp Mask is deselected in the Destination window.
- Printed colors do not match the colors on your monitor exactly, since printers and monitors use different color systems.

OCR scanning produces poor character recognition

- Select OCR as both the Image Type and Destination. (Refer to the electronic *Reference Guide* for details.)
- Adjust the Threshold setting in the Image Controls window.
- Select Text Enhancement Technology for the B/W Option in the Image Type window.

The printed image is larger or smaller than the original

- You can't judge the size of the printed image by what you see on your screen. The image size settings in your scanner software determine the printed image size.

The image doesn't scan, or you can only scan a few dots

- Make sure the document is face down on the document table.
- If you're using an automatic document feeder, make sure the original document is inserted face up.
- If you've selected OCR as your Image Type, select **None** for the B/W Option in the Image Type window. Then adjust the Threshold setting in the Image Controls window. Or try changing the Image Type from OCR to Line Art, then adjust the Threshold setting. (Refer to the electronic *Reference Guide* for details.)

A line of dots is always missing from the image

- When a line of dots is missing from the scanned image on your screen, the scanner sensor has malfunctioned. Contact your dealer.
- When a line of dots is missing from your printouts, you may need to clean your print head or replace your ink cartridges or toner. See your printer manual.

You can't print scanned images, or the printed image looks garbled

- Make sure your printer is securely connected to your computer and that you're using the correct cable.
- Make sure the correct printer is selected in your application.

Moiré (cross-hatch) patterns appear in the image when you perform halftone scanning

- Make the image size slightly smaller.
- Use a transparent sheet between the document and the document table to slightly defocus the image.
- Reposition the document on the document table. If necessary, position the document at a slight angle.
- Select **24-bit Color De-screening** as your Image Type, or select **On** for **De-screening** in the Image Type window.
- Make sure **Unsharp Mask** is deselected in the Destination window.

Uninstalling the Scanner Software

If you've tried every other solution and your system still doesn't recognize your scanner, try uninstalling the scanner driver software, as described in this section. Then reinstall the software as described in Chapter 2 or Chapter 6.

Uninstalling EPSON TWAIN Pro on Windows Me

1. Double-click the Scanners and Cameras icon in the Windows Control Panel.
2. Right-click the EPSON GT-10000 icon.
3. Click **Delete**. Then click **Yes**.
4. Restart your computer.

Uninstalling EPSON TWAIN Pro on Windows 98 and Windows 2000

1. Double-click the Scanners and Cameras icon in the Windows Control Panel.
2. On the Devices tab, select EPSON GT-10000.
3. Click the **Remove** button. Then click **OK** to close the window.
4. Restart your computer.

Uninstalling EPSON TWAIN Pro on Windows 95 and Windows NT 4.0

1. On the Start menu, click Programs, EPSON Scanner, EPSON TWAIN Pro Uninstall.
2. When you're finished, restart your computer.

Uninstalling EPSON TWAIN Pro Network

1. On the Start menu, click Programs, EPSON Network Scanner, EPSON TWAIN Pro Network Uninstall.
2. When you're finished, restart your computer.

Uninstalling EPSON Scan Server

1. Click Start, Programs, EPSON Scan Server, and select EPSON Scan Server Uninstall.
2. When you're finished, restart your computer.

Where To Get Help

For scanner or ADF support, see the section below. For software support, see page 110.

EPSON Technical Support

EPSON provides technical assistance 24 hours a day through the electronic support services and automated telephone services listed in the following table:

Service	Access
World Wide Web	From the Internet, you can reach EPSON Support at http://support.epson.com . At this site, you can download drivers and other files, look at product documentation, access troubleshooting information, and receive technical advice through e-mail.
Automated Telephone Services	A variety of automated help services are available 24 hours a day, seven days a week. To use these services, you must have a touch tone telephone and call (800) 922-8911 .

To speak to a technical support representative, dial: (562) 276-4382 (U.S.) or (905) 709-3839 (Canada), 6 AM to 6 PM, Pacific Time, Monday through Friday. Toll or long distance charges may apply.

Before you call, please have the following information ready:

- Product name (EPSON GT-10000+)
- Product serial number (located on the back of the scanner)
- Proof of purchase (such as a store receipt) and date of purchase
- Computer configuration
- Description of the problem

You can purchase supplies and accessories from the EPSON Store at (800) 873-7766 or visit www.epsonstore.com (U.S. sales only). In Canada, please call (800) 873-7766 for dealer referral.

Software Technical Support

Software	Telephone	Fax	Online and E-mail
EPSON TWAIN Pro, EPSON TWAIN Pro Network, EPSON Scan Server	(562) 276-4382 (800) 922-8911	(800) 922-8911 fax-on-demand system	http://support.epson.com
Adobe PhotoDeluxe Business Edition	(900) 555-2200 \$2.00 per minute	—	www.adobe.com/ supportservice/ custsupport/ techsupport.html techdocs@adobe.com
NewSoft Presto! PageManager	(510) 445-8616	(510) 445-8601	www.newsoftinc.com
TextBridge Pro	(888) 887-2288 \$14.95 per issue	—	www.scansoft.com
Pixel Translations ISIS driver	(408) 325-3800	(408) 232-9292	www.pixtran.com support@pixtran.com



If you need help using another manufacturer's software with an EPSON product, see the documentation for that software for technical support information.

Appendix A

Installing the TCP/IP Protocol

To use your EPSON GT-10000+ as a network scanner, the computers must be configured and operational on an existing network with the TCP/IP Protocol installed. In addition, both the scanner server and client computers must have an IP address and subnet mask assigned. If you aren't sure what IP address or subnet mask to use, ask your network administrator.



If you're running DHCP and WINS, or if you have a DNS server, you may find it easier to use a host name rather than an IP address to identify the scanner server. To specify a host name, you must enable DNS. See your Windows documentation for instructions.

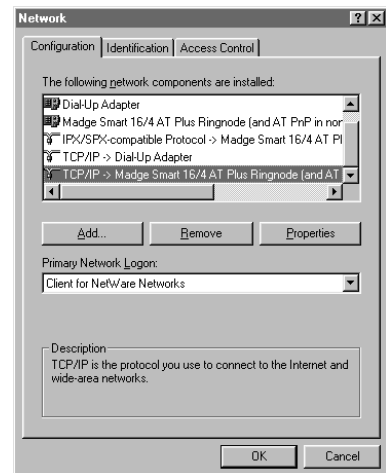
Installing the TCP/IP Protocol on Windows Me, Windows 98, and Windows 95

1. Double-click the **Network** icon in the Control Panel. If necessary, click the **Configuration** tab to display the screen on the right.
2. Check that **TCP/IP** appears in the list of installed network components.

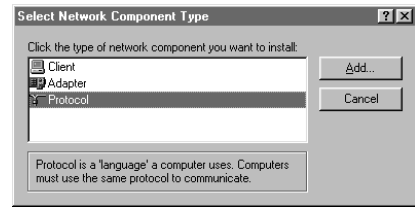
If it appears in the list, go to “Assigning an IP Address” on page 112.

If you don't see **TCP/IP** in the list, continue with the next step.

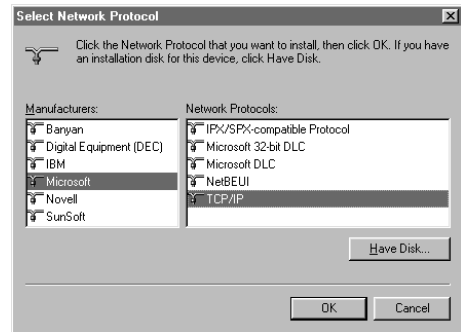
3. Click the **Add** button.



- When you see the screen on the right, select **Protocol** from the list and click the **Add** button. The Select Network Protocol window appears.



- Select **Microsoft** from the **Manufacturers** list, and **TCP/IP** from the **Network Protocols** list. Then click **OK**.
- Continue with the instructions in the next section to assign an IP address.



Assigning an IP Address

If your network is connected to the Internet, ask your Internet provider or system administrator for a formal IP address.

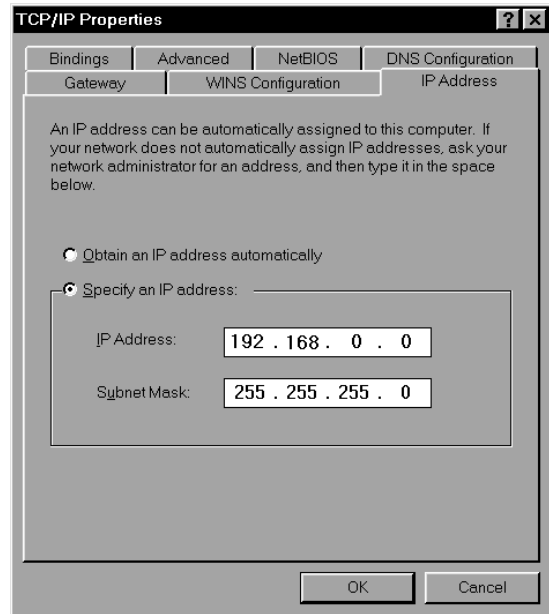
If your network is not connected to the Internet, you can use any IP address in the following ranges: 10.0.0.0 to 10.255.255.255, 172.16.0.0 to 172.31.255.255, or 192.168.0.0 to 192.168.255.255. Make sure you use a different IP address for every computer on your network.



If you encounter problems connecting to the Internet using the IP addresses listed above, please contact your system administrator.

When you have selected your IP address, follow the steps below to assign it to your computer.

1. In the Network dialog box, select **TCP/IP** on the list of installed network components, and then click the **Properties** button. If necessary, click the **IP Address** tab.
2. Click **Specify an IP address**, and then enter the IP address and subnet mask.



If you're using a DHCP server on your network, you can assign an IP address automatically by selecting **Obtain an IP address automatically** and clicking **OK**.

3. Click **OK** to close the TCP/IP Properties window, then click **OK** again to close the Network window and have your IP address assignment take effect.

Installing the TCP/IP Protocol on Windows 2000

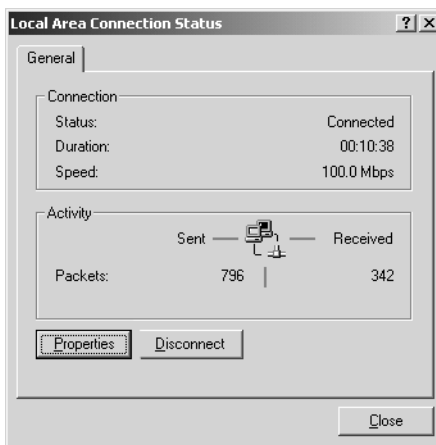
1. Right-click the My Network Places icon and select Properties.



2. Double-click the Local Area Connection icon.



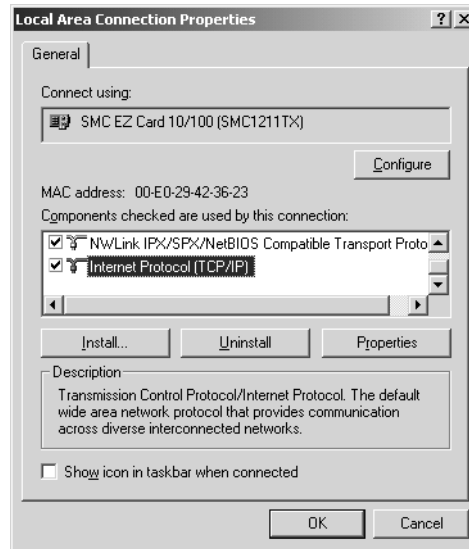
3. Click the Properties button.



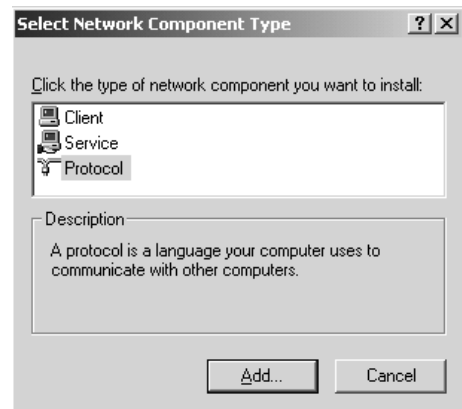
4. Check that Internet Protocol (TCP/IP) is included in the Local Area Connection Properties list box.

If it appears in the list box, proceed to “Assigning an IP Address” on page 116. Otherwise, proceed to step 5.

5. Click the Install button.



6. The Select Network Component Type box appears. Select Protocol from the list and click Add.



7. Select **Internet Protocol (TCP/IP)** in the Network Protocol list box and click **OK**.



8. Check that **Internet Protocol (TCP/IP)** appears in the Local Area Connection list box and click **OK**.

Assigning an IP Address

If your network is connected to the Internet, ask your Internet provider or system administrator for a formal IP address.

If your network is not connected to the Internet, you can use any IP address in the following ranges: 10.0.0.0 to 10.255.255.255, 172.16.0.0 to 172.31.255.255, or 192.168.0.0 to 192.168.255.255. Make sure you use a different IP address for every computer on your network.



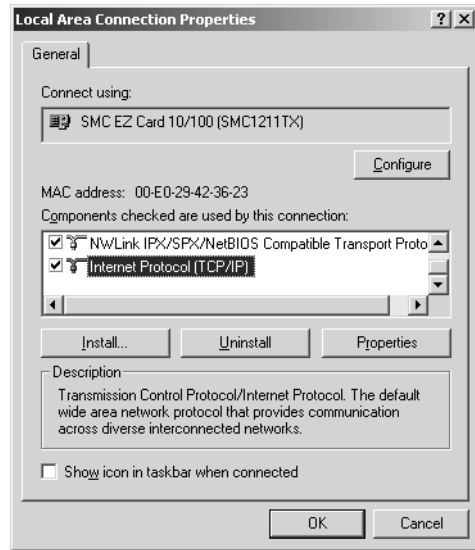
If you use IP addresses in the ranges listed above, you need to change them before you connect the network to the Internet. Otherwise you'll experience IP address conflicts.

If your network uses a DHCP server, you don't need to obtain an IP address before beginning this procedure; the server finds one for you.

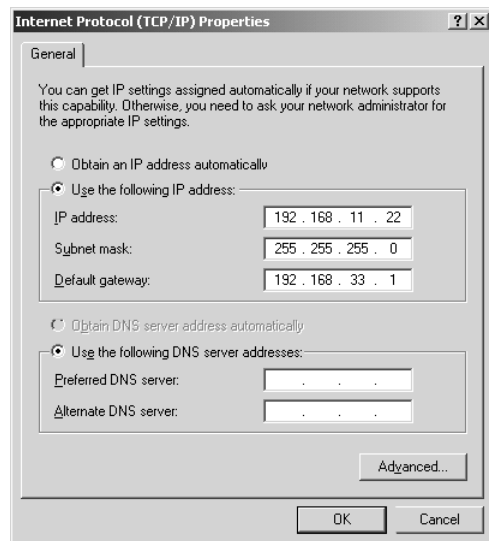
Follow the steps below to assign the IP address to your computer:

1. Right-click the **My Network Places** icon, then select **Properties** and double-click **Local Area Connection**.

2. Click Properties, and then double-click Internet Protocol (TCP/IP).



3. Select Use the following IP address, then enter the IP address and Subnet mask. Click OK to close the dialog box.



If you're using a DHCP server on your network, you can assign an IP address automatically by selecting **Obtain an IP address automatically** and clicking **OK**.

4. Click **OK** to close the Local Area Connection Properties dialog box, then click **Close** to close the Local Area Connection Status dialog box.

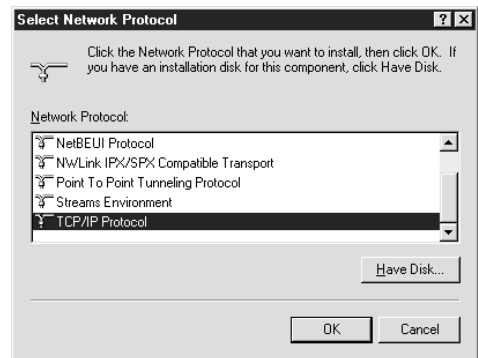
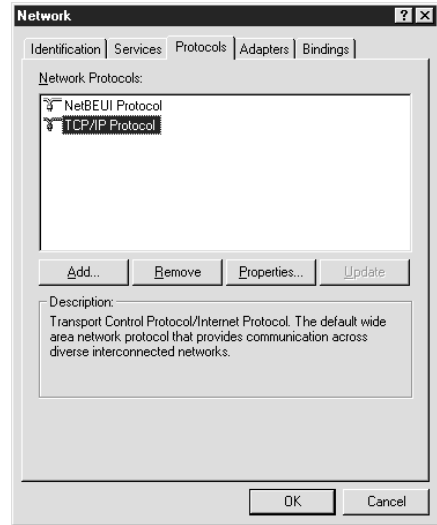
Installing the TCP/IP Protocol on Windows NT 4.0

1. Double-click the Network icon in the Control Panel. If necessary, click the Protocols tab.
2. Check that TCP/IP Protocol appears in the list of network protocols.

If it appears in the list, go to “Assigning an IP Address” on page 119.

If you don't see TCP/IP Protocol in the list, continue with the next step.

3. Click the Add button. You see the screen on the right.
4. Select TCP/IP Protocol and click OK.
5. Continue with the instructions in the next section to assign an IP address.



Assigning an IP Address

If your network is connected to the Internet, ask your Internet provider or system administrator for a formal IP address.

If your network is not connected to the Internet, you can use any IP address in the following ranges: 10.0.0.0 to 10.255.255.255, 172.16.0.0 to 172.31.255.255, or 192.168.0.0 to 192.168.255.255. Make sure you use a different IP address for every computer on your network.



If you use IP addresses in the ranges listed above, you need to change them before you connect the network to the Internet. Otherwise you'll experience IP address conflicts.

If your network uses a DHCP server, you don't need to obtain an IP address before beginning this procedure; the server finds one for you.

Follow the steps below to assign the IP address to your computer:

1. Select **TCP/IP Protocol** in the Network Protocols list on the Protocols tab, and then click the **Properties** button.
2. Click the **IP Address** tab to display the screen on the right.
3. Click **Specify an IP address**, and then enter your IP address and Subnet mask. Click **OK**.



If you're using a DHCP server on your network, you can assign an IP address automatically by selecting **Obtain an IP address automatically** and clicking **OK**.

4. Click **OK** again to close the Network window and have your IP address assignment take effect.

Appendix B

Specifications

This appendix provides the technical specifications for your scanner and the optional automatic document feeder.



Specifications are subject to change without notice.

Scanning

Scanner type

Flatbed, color

Photoelectric device

Color CCD line sensor

Effective pixels

7020 dots × 10200 pixels at 600 dpi,
100%

Document size

11.7 × 17.0 inches (297 × 432 mm)
(the reading area can be specified from
your software)

Scanning resolution

600 dpi main
2400 dpi sub with Micro Step Drive™

Output resolution

50 to 4800 dpi (1-dpi increments)

Color separation

RGB color filters on CCD

Zoom

50 to 200 percent in 1% increments

Reading sequence

Monochrome:

1-pass scanning

Color byte sequence:

1-pass scanning (R, G, B)

Color line sequence:

1-pass scanning (R, G, B)

Image data

36 bits input; 24 bits output (color)

12 bits input; 8 bits output (grayscale)

Brightness

7 levels

Line art settings

Fixed threshold with Text Enhancement
Technology (TET) enabled

Halftoning process

AAS (Auto Area Segmentation)

Enable/disable selectable

3 halftoning modes (A, B, and C)

4 dither patterns (A, B, C, and D) for
bi-level and quad-level data (2
downloadable dither patterns)

2 user-defined dither patterns (A, B)

Gamma correction

- 2 types for CRT display
- 3 types for printer
- 1 user-defined table

Color correction

- 1 type for CRT display
- 3 types for printer output (available in color byte sequence mode and color line sequence mode)
- 1 type user-defined

Interface

- SCSI 2 (two 50-pin half pitch connectors)
- IEEE 1394 serial bus interface (optional)

Options

- Automatic Document Feeder (ADF)
- IEEE 1394 serial bus interface

Supported documents

- Opaque documents with smooth surfaces

Light source

- Xenon fluorescent lamp

Reliability

- Main unit MCBF: 100,000 cycles of carriage movements

Dimensions

- Width: 25.8 inches (656 mm)
- Depth: 18.0 inches (458 mm)
- Height: 6.9 inches (176 mm)
- Weight: Approximately 46.3 lb (21 kg)

Electrical

Input voltage range

- 100 to 120 VAC: 100 to 132 VAC
- 220 to 240 VAC: 198 to 264 VAC

Rated frequency

- 50 to 60 Hz

Input frequency

- 49.5 to 60.5 Hz

Rated current

- 100 to 130 VAC: 1.2 A
- 220 to 240 VAC: 0.7



Check the label on the back of the scanner for voltage information.

Power consumption

- Approx. 50 W without ADF
- Approx. 55 W with ADF

Environmental

Temperature

- Operating: 41 to 95 °F (5 to 35 °C)
50 to 89 °F (10 to 32 °C)
when using ADF
- Standby: -13 to 140 °F
(-25 to 60 °C)

Humidity (without condensation)

- Operating: 10 to 80%
- Standby: 10 to 85%

Operating conditions

- Ordinary office or home conditions.
- Avoid dust, direct sunlight, and proximity to strong light sources.

Safety Approvals

Safety standards

- UL 1950 with D3
- CSA C22.2 No. 950
- EN60950 (VDE)
- IEC950 (ROSTEST, PSB)
- EN 60950 (NEMKO)

EMC

FCC part 15 subpart B class B
CSA C108.8 class B
AS/NZS3548 class B
CISPR Pub22 class B
CNS13438 class B
EN 55022 (CISPR Pub 22) class B

CE marking

Low Voltage Directive 73/23/EEC
EN 60950
EMC Directive 89/336/EEC
EN 55022 Class B
EN 61000-3-2
EN 61000-3-3
EN 50082-1
IEC 801-2
IEC 801-3
IEC 801-4

SCSI Interface

Interface type

ANSI X3T9.2/375R Revision 10L
(SCSI 2)

Functions

BUS FREE phase
ARBITRATION phase
SELECTION/RESELECTION phase
COMMAND phase (the Logical unit number is fixed at 0 and the command link function is not supported)
DATA phase
DATA IN phase
DATA OUT phase
STATUS phase
MESSAGE phase
MESSAGE IN phase
MESSAGE OUT phase
ATTENTION condition
RESET condition

Logic level

TTL compatible

Electrical standard

ANSI X3T9.2/375R
Revision 10L (SCSI 2)

ID setting

Can be set from 0 to 7

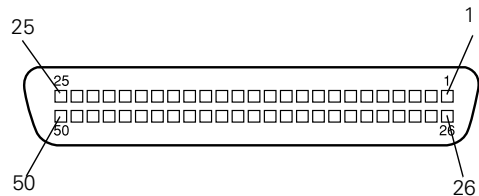
Terminator

Internal terminator selectable
(enable/disable)

Connector type

Two half-pitch 50-pin connectors

Connector pin arrangement:



Initialization Methods

The scanner can be initialized (returned to a fixed set of conditions) in these ways:

Hardware initialization

When the scanner is turned on

When the scanner receives a SCSI Reset signal from the SCSI interface

Software initialization

When the software sends the ESC @ (initialize the scanner) command

When the scanner receives a SCSI Bus Device Message

Automatic Document Feeder (B813212)

General

Paper input/output

Load face-up; eject face-down

Paper quantity

100 pages (80 g/m² paper, maximum total thickness under 0.48 inches [12 mm])

100,000 sheets (load/eject MCBF)

Dimensions

Width: 23.8 inches (606 mm)

Depth: 19.2 inches (488 mm)

Height: 5.3 inches (134 mm)

Weight

Approximately 28.7 lb (13 kg)

Electrical

Input voltage

22.8 to 25.2 VDC

4.75 to 5.25 VDC

Input current

24 V: 1.3 A

5 V: 0.3 A

IEEE 1394 Scanner Interface Card (B808342)

General

Interface type

IEEE 1394-1995 compatible

Data transfer method

Half-duplex Data/Strobe differential serial

Synchronization method

Clock synchronization with DS-Link

Encoding/decoding

DS-Link

Logic level

3.3 V

Compatible connectors

IEEE 1394-1995 compatible

Power class

Power class code 100

No power supply from external sources

Fitted with a repeat function with bus power

Environmental

Temperature

Operating: 41 to 95 °F
(5 to 35 °C)

Standby: -13 to 140 °F
(-25 to 60 °C)

Humidity (without condensation)

Operating: 10 to 80%

Standby: 10 to 85%

Connector pin assignments:

Pin number	Signal name	Function
1	VP	Cable power supply
2	VG	Cable ground
3	TPB*	Strobe during receipt, data during transmission (differential pair)
4	TPB	
5	TPA*	Data during receipt, strobe during transmission (differential pair)
6	TPA	

Appendix C

Notices

This appendix includes safety instructions, system requirements, and other important information about your EPSON GT-10000+ scanner.

Important Safety Instructions

Read all of these instructions and save them for later reference. Follow all warnings and instructions marked on the scanner.

- Unplug the scanner before cleaning. Clean with a damp cloth only. Do not spill liquid on the scanner.
- Do not place the scanner on an unstable surface or near a radiator or heat source.
- Do not block or cover the openings in the scanner's cabinet. Do not insert objects through the slots.
- Use only the type of power source indicated on the scanner's label.
- Connect all equipment to properly grounded power outlets. Avoid using outlets on the same circuit as photocopiers or air control systems that regularly switch on and off.
- Do not let the power cord become damaged or frayed.
- If you use an extension cord with the scanner, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure the total ampere rating of all devices plugged into the wall outlet does not exceed the wall outlet's ampere rating.
- Do not attempt to service the scanner yourself.
- Unplug the scanner and refer servicing to qualified service personnel under the following conditions: if the power cord or plug is damaged; if liquid has entered the scanner; if the scanner has been dropped or the cabinet damaged; if the scanner does not operate normally or exhibits a distinct change in performance. Do not adjust controls that are not covered by the operating instructions.

System Requirements

The minimum system requirements for Windows are listed below. For optimum performance, a faster processor and more memory are recommended. If you are scanning high-resolution images, you need more than the minimum available hard disk space listed.

- An IBM-compatible PC with a 486/66 MHz or faster processor (Pentium® recommended)
- Microsoft Windows 95, Windows 98, Windows NT 4.0 (Service Pack 3), Windows Millenium Edition (Me), or Windows 2000
- 16MB RAM for Windows 95 and Windows 98, 32MB RAM for Windows NT, Windows Me, and Windows 2000 (32MB RAM recommended for all systems)
- 50MB available hard disk space
- PCI slot for the Adaptec SCSI card (included with your scanner) or IEEE 1394 interface (only compatible with Windows Me and Windows 2000)
- CD-ROM drive and mouse or pointing device
- VGA color monitor with 640 × 480 or higher resolution (a color monitor with a resolution of 800 × 600 or higher recommended)
- 8-bit, 256-color display adapter card (24-bit display adapter card with millions of colors recommended)



On-screen color and tone reproduction are subject to the display capability of your computer system, including the video card, monitor, and software. See the documentation for these products for details.

ENERGY STAR Compliance



As an ENERGY STAR Partner, EPSON has determined that this product meets the ENERGY STAR guidelines for energy efficiency. The EPA ENERGY STAR office equipment program is a voluntary partnership with the computer and office equipment industry to promote the introduction of energy-efficient personal computers, monitors, printers, fax machines, and copiers in an effort to reduce air pollution caused by power generation.

DECLARATION of CONFORMITY

According to 47CFR, Part 2 and 15 for Class B Personal Computers and Peripherals; and/or CPU Boards and Power Supplies used with Class B Personal Computers:

We: EPSON America, Inc.
Located at: MS 6-43
3840 Kilroy Airport Way
Long Beach, CA 90806-2469

Declare under sole responsibility that the product identified herein, complies with 47CFR Part 2 and 15 of the FCC rules as a Class B digital device. Each product marketed, is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on a statistical basis as required by 47CFR §2.909. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trade Name: EPSON
Type of Product: Image Scanner
Model: G650B
Product: EPSON GT-10000+

FCC Compliance Statement

For United States Users

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

For Canadian Users

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Warranty

EPSON AMERICA, INC. LIMITED WARRANTY

What Is Covered: Epson America, Inc. (“EPSON”) warrants to the first end user customer of the EPSON product enclosed with this limited warranty statement, that the product if purchased and used in the United States or Canada, conforms to the manufacturer’s specifications and will be free from defects in workmanship and materials for a period of one year from the date of original purchase. EPSON warrants that the EPSON product is manufactured from new components and parts, or if you have purchased a refurbished product, like-new components and parts which perform like new and meet the EPSON standard of quality. For warranty service, you must provide proof of the date of original purchase.

What EPSON Will Do To Correct Problems: Should your EPSON product prove defective during the warranty period, please bring the product securely packaged in its original container or an equivalent, along with proof of the date of original purchase, to your EPSON Dealer or EPSON Customer Care Center. You are responsible for all costs (shipping, insurance, travel time) in getting the product to the service location. EPSON will, at its option, repair or replace on an exchange basis the defective unit, without charge for parts or labor. When warranty service involves the exchange of the product or of a part, the item replaced becomes EPSON property. The replacement unit may be new or refurbished to the Epson standard of quality, and at Epson’s option, the replacement may be another model of like kind and quality. Epson’s liability for replacement of the covered product will not exceed the original retail selling price of the covered product. Exchange or replacement products or parts assume the remaining warranty period of the product covered by this limited warranty.

What This Warranty Does Not Cover: This warranty covers only normal use in the United States and Canada. This warranty does not cover damage to the EPSON product caused by parts or supplies not manufactured, distributed or certified by EPSON. This warranty does not cover third party parts, components or peripheral devices added to the EPSON product after its shipment from EPSON, e.g., dealer-added boards, chips or drives. This warranty is not transferable and will not apply to products purchased from an end user. EPSON is not responsible for warranty service should the EPSON label or logo or the rating label or serial number be removed or should the product fail to be properly maintained or fail to function properly as a result of misuse, abuse, improper installation, neglect, improper shipping, damage caused by disasters such as fire, flood, and lightning, improper electrical current, software problems, interaction with non-EPSON products, or service other than by an EPSON Authorized Servicer. If a claimed defect cannot be identified or reproduced in service, you will be held responsible for costs incurred.

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To locate the EPSON Authorized Reseller or EPSON Customer Care Center nearest you call:
800-922-8911 or write to:

Epson America, Inc. ● P.O. Box 93008 ● Long Beach, CA 90809-9985

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