

EXHIBIT 5

User's Manual

User's Manual

FCC Radio Frequency Interference Statement

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 instruction manual may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or 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.

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Where to Find Information

This User's Guide

This guide leads you through the scanner setup and software installation, tells you how to use the Scanner Button function, and leads you through basic scans. It also offers troubleshooting tips and customer support information.

Information on EPSON Scanner Software

Online help provides you with the EPSON TWAIN detailed information. Access online help from the EPSON Scanner group or click the Help button on the EPSON TWAIN dialog box.

Information on PageManager

See your ~~Presto!~~ PageManager documentation.

for EPSON

Information on Other Software

Other software may be included with your scanner depending on where you purchased the scanner. For information on these programs, see your program documentation.

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EPSON®

Film Scanner

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Chapter 1

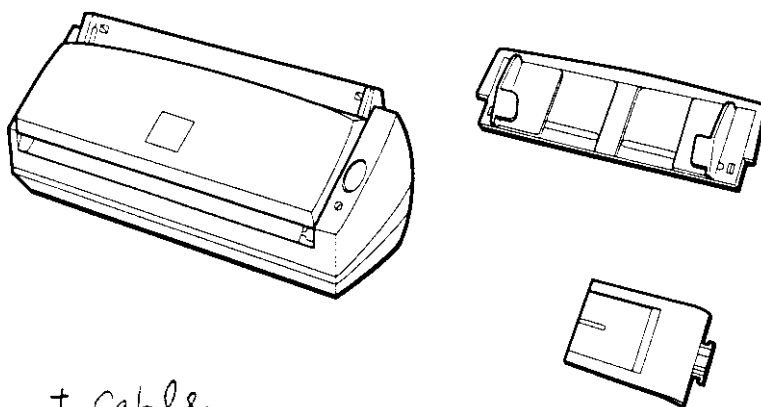
Setting Up Your Scanner

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Unpacking the Scanner

Make sure you have all the parts shown below. Remove all protective materials packed with your scanner before you set up and turn on the scanner. Save all packaging and protective materials in case you need to transport the scanner later.



+ Cable
Interface cable
Sheet cover

In some countries, the power cord and AC adapter are separate parts and must be connected.

**Caution:**

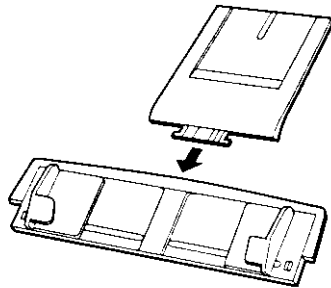
The shape of the AC plug varies by country; be sure the plug included is the right shape for your location. Otherwise your scanner may be damaged.

Attaching the Paper Support and Paper Tray

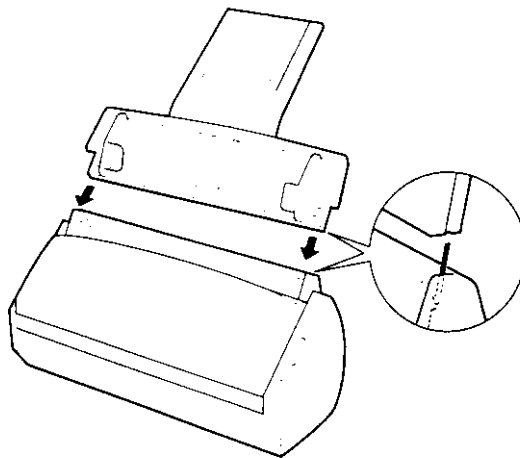
1

After you make sure that you have all the parts, attach the paper support and paper tray to the scanner.

1. Attach the paper support to the paper tray by inserting the tab of the paper support into the slot of the paper tray.



2. Next, attach the paper tray to the scanner.



Choosing a Place for the Scanner

Follow the guidelines listed below when selecting a location for your scanner:

- ☐ Place the scanner on a flat, stable surface. The scanner will not operate properly if it is tilted or at an angle.
- ☐ Place the scanner close enough to the computer for the interface cable to reach it easily.
- ☐ Allow enough space behind the scanner for the cables, and make sure to place the scanner where you can easily unplug the power cord.
- ☐ Leave enough room on the table at the front and back of the scanner to feed out documents.
- ☐ Keep the scanner away from high temperatures and humidity. Also, avoid using or storing the scanner in places subject to rapid changes in temperature or humidity.
- ☐ Keep the scanner away from direct sunlight and strong light sources.
- ☐ Avoid places subject to shocks and vibrations.

Installing the SCSI Board and SCSI Driver

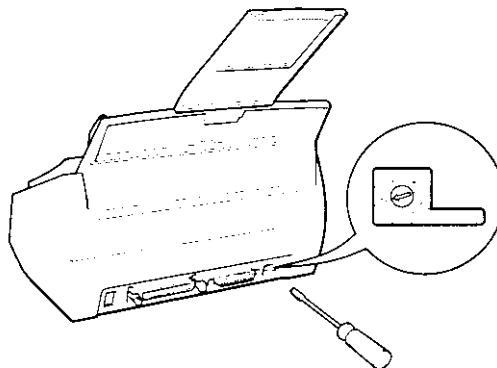
1

If your PC already has a SCSI board, skip to "Connecting the Scanner to Your Computer or Other SCSI Devices" on page 1.x.

If your PC does not have a SCSI board, you must install one. Be sure to follow the instructions that come with the SCSI board. After the SCSI board installation is complete, install the SCSI driver included in Windows 95 or Windows NT (see your system documentation for instructions) or the driver described in the SCSI board installation documentation.

Setting the SCSI ID Number

The SCSI ID on your scanner is preset at the factory to SCSI ID 2. If you need to change this number, locate the SCSI ID rotary dial on the rear of the scanner and turn it to the desired number. Be sure to choose a unique number that does not conflict with the ID number of other SCSI devices (including the SCSI interface board).



Caution:

Do not use SCSI ID 8 or 9 for your scanner. These are for factory use only.

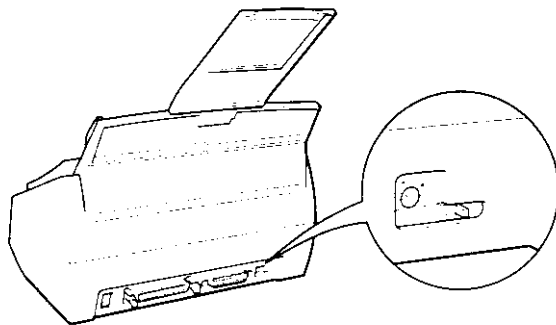
Setting the Terminator Switch

The terminator switch on your scanner is preset at the factory to ON. If the scanner is the only SCSI device you connect to your computer, or if it is the last device in the daisy chain, leave the terminator switch on. If the scanner is in the middle of a daisy chain, turn the terminator switch off.

Note:

While your computer is on, do not turn off the SCSI device with an active terminator switch.

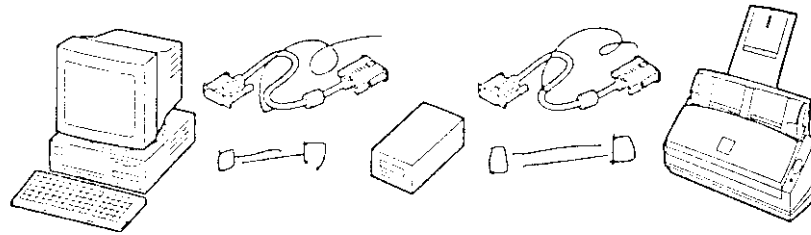
The terminator switch is located at the rear of the scanner.



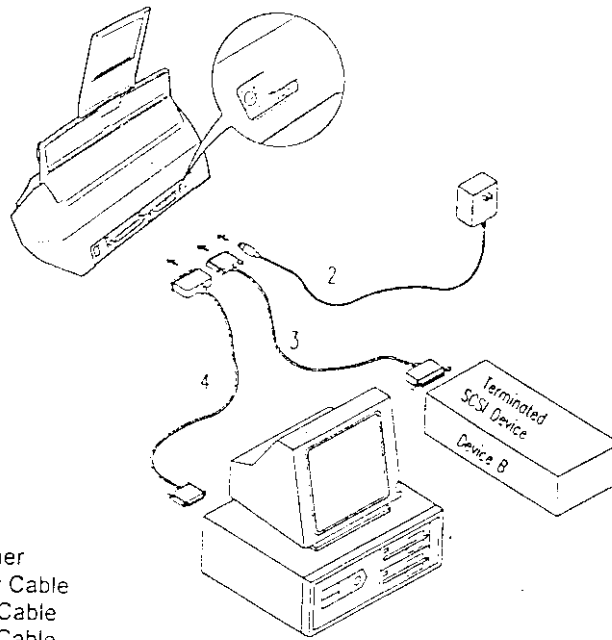
Check to see which setting you should use for your system.

- ☐ Turn the terminator switch on when the scanner is the only device connected to your computer.

- ☐ Turn the terminator switch on when the scanner is the last device in the SCSI chain.



- ☐ Turn the terminator switch off when the scanner is in the middle of a daisy chain.



- 1. Scanner
- 2. Power Cable
- 3. SCSI Cable
- 4. SCSI Cable

Connecting the Scanner to Your Computer or Other SCSI Devices

Follow the steps below to connect the EPSON GT-2500 to your computer or other device.

Note:

The combination of 50-pin and 25-pin connectors you need may vary depending on the manufacturer of your SCSI device and SCSI interface board.

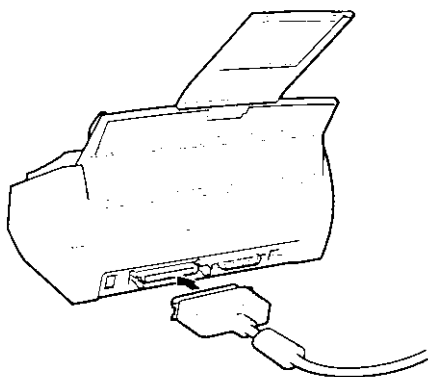
1. Make sure that the computer and all other SCSI devices are turned off.



Caution:

Do not connect the scanner to the computer or other devices while they are turned on; otherwise damage may occur.

2. Connect one end of the SCSI cable to the scanner's SCSI connector; then squeeze the wire clips together until they lock in place, or tighten the screws on the sides of the connector.



An example using the scanner's 50-pin interface

3. Connect the other end of the cable to the SCSI port of your computer or other SCSI device.
4. Make sure that your computer is not on. Turn on the scanner by first plugging the power cord into the power supply, then the scanner.

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Note:

Your scanner does not have a power button. When you connect the AC power cable to the power supply and scanner, the scanner is turned on.

Now you are ready to install the scanner software. See Chapter 2, "Setting Up the Scanner Software."

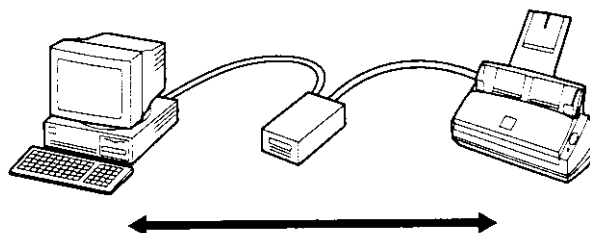
Making SCSI connections

A SCSI interface allows you to connect up to eight devices, including the computer, in what is called a "daisy chain" arrangement. Only the first SCSI devices in a daisy chain is connected to the computer; each of the other devices is connected to the previous device.

Note:

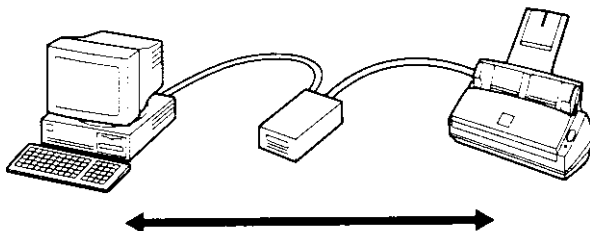
While your computer is on, do not turn off the SCSI device with an active terminator switch.

- ☐ To connect the scanner to a SCSI device other than the computer, the total length of all the cables in the daisy chain must be 6 meters or less; otherwise the system may not work properly.



6 meters or less

- ☐ When connecting the scanner to a SCSI-2 interface board, the total length of all the cables must be 3 meters or less.



3 meters or less

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Appendix A
Specifications

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System Requirements

- ☐ IBM R compatible PC with a 486 or Pentium processor
- ☐ Microsoft Windows 95, or NT 3.51 or later. A SCSI interface board must be installed in your PC.
- ☐ At least 16MB of RAM (32MB recommended)
- ☐ VGA, Super VGA, or better display adapter and a 256-color monitor (65,000-color or higher recommended) with 640 x 480 screen resolution (800 x 600 or higher recommended)

Note:

When scanning, the required amount of free hard disk space is twice the size of the image data file.

Mechanical Specifications

Scanner type:	Document feeder color image scanner
Paper path:	Manual feed (front entry), document feeder (rear entry)
Document feeder capacity:	20 sheets for rear entry
Document size:	Maximum: 216 x 355.6 mm (8.5 x 14.0 inches) US legal size Minimum: 50.8 x 50.8 mm (2 x 2 inches)
Feeding speed:	10ppm, 300 dpi, A4
Photoelectric:	3-Line Color CCD line sensor
Optical scanning resolution:	600 dpi (main, sub)
Output resolution:	50 dpi to 2400 dpi in 1 dpi steps
Color separation:	RGB color filters on CCD
Zoom:	50% to 200% in 1% increments
Brightness:	7 levels

Electrical Specifications

Input voltage range	120V Model	220-240V Model
Rated frequency range	50 to 60 Hz	50 to 60 Hz
Input frequency range	49.5 to 60.5 Hz	49.5 to 60.5 Hz
Rated current	0.4 A	0.22 A
Power consumption	30 W	30 W

This product is also designed for IT power system phase to phase voltage 220-240V.

Note:

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

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Environmental Conditions

Temperature:	Operation: 5 to 35°C (40 to 95°F) Storage: -25 to 60°C (-13 to 140°F)
Humidity:	Operation: 10 to 80% without condensation No more than 65% for cartridge film is recommended. Storage: 10 to 85% without condensation
Operating conditions:	Ordinary office or home conditions. Extreme dust should be avoided. Operation under direct sunlight or near a strong light source should be avoided.

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Safety approvals

Safety standards:

U.S. model	UL 1950, CSA C22.2 No.950
European model	EN60950 (VDE and NEMKO)

EMC:

U.S. model	FCC part 15 subpart B class B CSA C108.8 class B
European model	EN 55022 (CISPR Pub. 22) class B EN 61000-3-2 EN 61000-3-3 EN 50082-1 IEC801-2 IEC801-3 IEC801-4
Australian model	AS/NZS 3548 class B

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Contacting Customer Support

If your scanner is not operating properly and you cannot solve the problem using the troubleshooting information in Chapter 7, contact customer support services for assistance. See the section for your country below.

We will be able to help you much more quickly if you give us the following information:

1. **Scanner model:**
2. **Serial number of your scanner:**
(The serial number label is on the back of the scanner.)
3. **Brand and model of your computer:**
4. **Scanner software version:**
(Click the About button in your printer driver.)
5. **Windows version (for example, NT, 95):**
6. **Software application(s) you normally use with the printer and their version number(s):**

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For United Kingdom and the Republic of Ireland Users

If you purchased your scanner in the UK or the Republic of Ireland, Epson (UK) Limited provides a range of customer services and technical support.

- ☐ World Wide Web
- ☐ Faxon EPSON Faxback
- ☐ Bulletin Board Service
- ☐ Customer and Warranty Support
- ☐ Pre Sales Enquiry Desk

See the following sections for details.

World Wide Web

If you can connect to the Internet and have a Web browser, you can access our Web site at <http://www.epson.co.uk>. Here you will find information on the latest EPSON products, software drivers, on-line user guides, and answers to frequently asked questions.

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Faxon EPSON

Contact Faxon EPSON faxback service for support information including troubleshooting tips, switch settings, and driver information.

To use Faxon EPSON, call 01442 227332 in the UK or 0044 1442 227332 from the Republic of Ireland using a touch-tone phone. You will be asked to follow a simple routine to register your document request. Once you have entered your telephone and fax numbers, Faxon EPSON will fax a copy of the document catalogue to your fax machine.

When you have found the document that you need in the catalogue, call Faxon EPSON again and enter the document ID numbers. The documents will be faxed to you automatically.

Bulletin Board Service for latest driver and utilities

You can call the EPSON Bulletin Board Service on 01442 227479 in the UK or 0044 1442 227479 from the Republic of Ireland. No membership is required. Make sure that your communications software is set to 8 data bits, 1 stop bit, no parity bit, ANSI terminal mode emulation, and a modem speed of up to 28.8 Kbps. Downloading protocols supported include Xmodem, Ymodem, and Zmodem. See the documentation that came with your communications software and modem for more information.

When you first connect to the Bulletin Board Service, you will be asked for your name, company name, phone number, and a password (which you can invent yourself).

Customer and Warranty support

Our Customer and Warranty Support terms can be contacted by calling 0870 163 8866 in the UK or 0044 0870 163 7766 from the Republic of Ireland. They can provide the following services:

- ☐ Technical information on installing, configuring, and operating your EPSON products
- ☐ Arranging for faulty EPSON products to be repaired within the warranty period

A full list of EPSON Customer and Warranty Support services is available on the technical support section of our world wide web pages at <http://www.epson.co.uk/support/> and on Faxon EPSON faxback service in document number 5085.

Pre Sales Enquiry Desk

The Enquiry Desk term can be contacted by calling 0800 220546 in the UK or 1 800 409132 from the Republic of Ireland, by faxing 01442 227271 in the UK or 0044 1442 227271 from the Republic of Ireland, and via Email at info@epson.co.uk. They can provide the following information:

- ☐ Pre Sales information and literature on new EPSON products (also available via our world wide web site at <http://www.epson.co.uk>)
- ☐ Where to purchase genuine EPSON consumables, accessories, and options

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For Australian Users

EPSON Australia wishes to provide you with a high level of Customer Service. As well as this *User's Guide*, we provide the following sources for obtaining information:

EPSON FAXBACK

EPSON FAXBACK will fax you the latest specifications and pricing for most EPSON products offered in Australia. There is also technical information including details of the latest software and drivers available. Phone (02) 9903 9075 and the system will guide you through a number of choices before faxing the information to your fax machine.

EPSON Bulletin Board System

This is where you can download the latest software and drivers. Visit the BBS to check out the latest versions. If you have a modem, phone (02) 9417 5090.

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Internet URL <http://www.epson.com.au>

Access the Epson Australia World Wide Web pages. Worth taking your modem here for the occasional surf! You can get the same information as offered on the EPSON FAXBACK and the EPSON Bulletin Board plus more.

Your dealer

Don't forget that your dealer can often help identify and resolve problems. The dealer should always be the first call for advice on problems. They can often solve problems quickly and easily as well as give you advice on the next step to take.

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EPSON Helpdesk

EPSON Helpdesk is provided as a final backup to make sure our clients have access to advice. Operators on the Helpdesk can aid you in diagnosing hardware and software problems. They can also advise you on the latest EPSON products and where the nearest dealer or service agent is located. Many types of queries are answered here.

The Helpdesk numbers are:

Phone: (02) 9903 9040
Fax: (02) 9903 9189

We encourage you to have all the relevant information on hand when you ring. The more information you prepare, the faster we can help solve the problem. This information includes the *User's Guide* for your EPSON product, type of computer, operating system, application programs, and any other information you feel is required.

For Singapore Users

Contact the telephone and fax numbers below.

Phone: (065) 337-7911
Fax: (065) 334-1185

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For Hong Kong Users

To obtain technical support as well as other after-sales services, users are welcome to contact EPSON Hong Kong Limited.

Internet home page

EPSON Hong Kong has established a local home page in both Chinese and English on the Internet to provide users with the following information:

- ☐ Product information
- ☐ Answers to Frequently Asked Questions (FAQs)
- ☐ Latest versions of EPSON printer drivers

Users can access our World Wide Web home page at <http://www.epson.com.hk>.

Electronic bulletin board system

An electronic bulletin board system (BBS) is also available to obtain printer information and the latest versions of printer drivers. You can log onto the following number for the BBS service:

BBS: (852) 2827-4244

Technical support hotline

You can also contact our technical staff at the telephone and fax numbers below.

Phone: (852) 2585-4399

Fax: (852) 2827-4383

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For Philippines Users

To obtain technical support as well as other after sales services, users are welcome to contact the EPSON Philippines Representative Office at the telephone and fax numbers below.

Phone: (632) 813-6552
Fax: (632) 813-6545
BBS: (632) 814-0595

Glossary

Auto Area Segmentation (AAS)

Provides the capability to separate text from photographs on a page so that gray scale images will be clearer and text recognition more accurate.

daisy chain

A SCSI bus arrangement that allows several devices to be connected simultaneously in a line to a single computer. See *SCSI*.

ESC/I

Abbreviation for EPSON Standard Code for Image scanners, a system of commands that is used to control image scanners.

Exposure

A scanner function that lightens or darkens the scanned image.

grayscale

Images represented with various shades of gray in addition to black and white.

ICM

Windows ICM color management system. Different output devices reproduce colors in various ways, so color correction, or color matching, is required. Most operating systems come with color correction software; ICM is for Windows.

pixel

Computers and other digital devices produce an image as a collection of dots.

These dots on a screen are referred to as pixels (picture elements). Computers treat each pixel as a single set of data. The number of bits used to define each pixel determines the available number of colors and tones (i.e., the number of different appearances each pixel can take).

Resolution

Measurement of the definition of an image, in dots (or pixels) per inch (dpi). Higher resolutions provide greater detail. By matching the scan resolution to the resolution of the destination device (screen, printer, etc.), the scanner can fully utilize the capabilities of other devices.

Scan

The scanner "reads" an image by passing a sensor across the image and then moving slightly down the image. It repeats this process until the entire image has been read. The scanner must therefore control movements in two directions, the scan direction (the horizontal movement of the sensor as it reads the data), and the subscan direction (the vertical movement of the film).

SCSI

Small Computer System Interface. SCSI is a standard interface for connecting computers to peripheral devices such as hard disks and scanners. Devices connect together in a "daisy chain" configuration.

SCSI ID

The numbers that all devices in a SCSI connection (see *daisy chain*) use to identify each other. If the same ID number is used by two devices in the same daisy chain, the devices cannot operate properly.

Terminator

A device that stops electronic signals, and prevents them from proceeding or returning to other devices. This is necessary to stop one signal from continuously bouncing between devices, which would stop all electronic traffic between those devices.

Text Enhancement Technology (TET)

Provides an automatic background removal for text scanning by optimizing the threshold.

Threshold

A value that is referenced to determine how data is represented; for example the data is represented as 1 (or on) if the value of the data is larger than the threshold value, and the data is represented as 0 (or off) if the value of the data is smaller than the threshold value. Scanners use a number of thresholds to convert an image into digital data.

TWAIN

Standard interface over which software applications can control the operation of scanners and other such imaging devices. All software applications bundled with your scanner comply with the TWAIN standard, and can therefore access your scanner through the EPSON TWAIN interface.