

EPSON

**EPSON EXPRESSION[®]
800**

SETUP GUIDE

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.

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Contents

SCANNING FOR PROFESSIONAL RESULTS	1
About Your Scanner	1
About Your Software	2
About Your Documentation	3
Cautions, Notes, and Tips	4
System Requirements	5
Windows	5
Macintosh	6
Year 2000 Ready	6
Important Safety Instructions	7
SETTING UP YOUR SCANNER	8
Unpack Your Scanner	9
Choose a Good Place for Your Scanner	11
Install the SCSI Interface Board	12
Unlock the Scanner	13
Set the SCSI ID Number	14
Connect the Scanner to Your Computer	15
Power On Your System	16
Install the SCSI Software (PC Only)	16
If You're Running Windows 95 or Windows 98. . .	17
If You're Running Windows NT 4.0. . .	18
Install EPSON TWAIN Pro	21
If You're Running Windows	21
If You're Using a Macintosh. . .	23

Install LaserSoft SilverFast Lite	24
If You're Running Windows. . .	24
If You're Using a Macintosh. . .	24
Install Presto! PageManager	25
If You're Running Windows. . .	25
If You're Using a Macintosh. . .	26
Install Xerox TextBridge Classic	26
If You're Running Windows. . .	26
If You're Using a Macintosh. . .	27
Install Adobe Photoshop 5.0 LE	27
If You're Running Windows. . .	27
If You're Using a Macintosh. . .	28

HOW TO SCAN **29**

Preparing to Scan	29
Scanning Tips	30
Selecting Resolution	31
Scaling (Resizing) Images	32
Batch Scanning	32
Selecting Your Scanner Driver	33
Recommended Settings	34

Step-by-Step Scanning Instructions	35
Placing Your Original Document	35
Beginning Your Scan	36
Scanning with EPSON TWAIN Pro	36
Scanning with LaserSoft SilverFast Lite	38

VIEWING YOUR ELECTRONIC MANUALS **41**

Installing Adobe Acrobat Reader	42
If You're Running Windows. . .	42
If You're Using a Macintosh. . .	42
Copying a Manual to Your Hard Drive	43
Navigating a Manual	43

SETTING UP THE TPU AND ADF UNITS **44**

Transparency Unit	44
Unpacking the Transparency Unit	45
Removing the Shipping Screw	45
Installing the Transparency Unit	46
Using the Film Guides	47
Scanning Normal Documents with the Transparency Unit Installed	50
Auto Document Feeder	51
Unpacking the Auto Document Feeder	51
Installing the Auto Document Feeder	52

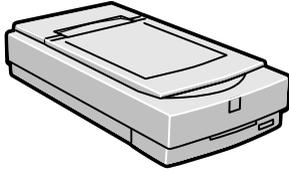
SCANNER MAINTENANCE **54**

Transporting the Scanner	54
Transporting the Transparency Unit	55
Cleaning the Scanner	56

PROBLEMS? NEED HELP? **58**

Identifying Scanner Parts	59
Lights and Buttons	60
Problems and Solutions	61
Setup Problems	61
Scanner Problems	62
Software Problems	63
Scanning Problems	64
Where To Get Help	67
EPSON Technical Support	67
Software Technical Support	69

INDEX **71**



Scanning for Professional Results

The EPSON® Expression® 800 is a 36-bit professional graphics scanner designed to deliver superior results for artists, graphics professionals, and business graphics users. Using EPSON's ColorTrue® Imaging System, the scanner captures images with amazing detail and accurate colors. With EPSON's proprietary Micro Step Drive™ technology, it can achieve a maximum resolution of 12800 × 12800 dpi with interpolation.



About Your Scanner

Your EPSON Expression 800 scanner includes the following features:

- Superior image quality
 - True optical resolution of 800 dots per inch (dpi)
 - Hardware resolution of 800 × 3200 dpi with Micro Step drive technology
 - Maximum resolution of 12800 × 12800 dpi with interpolation
- 36-bit color depth for capturing images with over 68 billion colors
- Superior speed (25 to 30% faster than standard 600 dpi scanners)
- Two scanner drivers
 - EPSON TWAIN Pro for high speed performance and accurate optical character recognition (OCR)
 - LaserSoft® SilverFast™ Lite for superior scans (Artist and Professional models also include the full version of LaserSoft SilverFast 4.0)
- Color management with Monaco® Profiler Lite (Artist and Professional models).

About Your Software

The EPSON Expression 800 scanner includes these leading-edge applications for professional-quality scans:



EPSON TWAIN Pro

Ideal for scanning text for OCR. Includes Text Enhancement Technology and Auto Area Segmentation for better scans.



LaserSoft SilverFast Lite

Exclusive professional-quality scanner driver with powerful, flexible features for obtaining expert results quickly and easily. If you have the Artist or Professional model of the scanner, you also have the full-featured version of LaserSoft SilverFast 4.0. If you have the Executive model, you can upgrade to SilverFast 4.0. For upgrade information, contact LaserSoft (see "Software Technical Support" on page 69).



Adobe® Photoshop® 5.0 LE

Edit your photos with professional results. Add special effects, overlay titles and captions, restore old photos, and add many other creative enhancements to your photographs.



Xerox® TextBridge® Classic

Use the premiere OCR (Optical Character Recognition) software to turn your paper documents into electronic text without retyping.



NewSoft™ Presto!™ PageManager for EPSON

After you've scanned your paper documents, use this leading document management software to organize, file, edit, copy, fax, and e-mail them from one convenient screen.



Monaco Profiler Lite (Artist and Professional models only)

No more trial-and-error efforts to match the colors of your printed output with the colors you intended! Create customized color profiles for your scanner, monitor, and printer with this leading-edge software, and simplify the process of color management. (See your Monaco Profiler Lite documentation for compatibility information.)

About Your Documentation

This guide includes instructions for setting up your scanner, scanning tips, and troubleshooting advice. It also includes instructions for viewing your electronic manuals and installing the optional equipment.

For greater detail on installing and using the optional equipment, see your *EPSON Expression 800 Reference Guide* in the Manuals folder on the EPSON Expression 800 Scanning Tools CD-ROM. Your electronic reference guide also provides scanner specifications, additional troubleshooting and maintenance information, and instructions for setting up SCSI devices like your scanner.

For details on using the scanner software, see the electronic *EPSON TWAIN Pro User's Guide* or *LaserSoft SilverFast Lite User's Guide*. These guides are also located in the Manuals folder on the EPSON Expression 800 Scanning Tools CD-ROM. You'll find electronic user's guides for NewSoft Presto! PageManager and Xerox TextBridge Classic 2.0 in the same folder.

The electronic user's guide for Adobe Photoshop 5.0 LE is on the Adobe Photoshop 5.0 LE CD-ROM.

If you have the Artist or Professional model of the EPSON Expression 800, see the electronic manuals on the Monaco Profiler Lite and LaserSoft SilverFast 4.0 CD-ROMs for information on using those applications.



You must have Adobe Acrobat® Reader installed on your system before you can view the electronic manuals. If you haven't already installed Acrobat Reader, see page 42.

Cautions, Notes, and Tips

Please follow these guidelines as you read your documentation:



Cautions must be observed to avoid damage to your equipment.



Notes contain important information about your scanner.



Tips contain additional hints for great scanning.

System Requirements

The minimum system requirements for Windows® and Macintosh® 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.

Windows

- An IBM® compatible PC with a 486/66 MHz or faster processor
- Microsoft® Windows 95, Windows 98, or Windows NT® 4.0 (Service Pack 3)
- 16MB RAM for Windows 95 and Windows 98; 32MB RAM for Windows NT (32MB RAM recommended for all systems)
- 50MB available hard disk space
- PCI slot for the Adaptec® SCSI card (included with your scanner)
- CD-ROM drive
- Mouse or pointing device
- VGA color monitor with 640 × 480 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)



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.

Macintosh

- PowerPC™ (or higher processor) running system 7.5 (system 8.1 or later recommended)
- Macintosh standard SCSI interface (If your Macintosh does not have a SCSI interface, contact Apple® Computer, Inc. or Adaptec to purchase a compatible SCSI card. The SCSI card included with your scanner is PC-compatible only.)
- 16MB RAM (32MB RAM recommended)
- 50MB available hard disk space
- CD-ROM drive
- Mouse or pointing device
- VGA color monitor with 640 × 480 screen 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)



You cannot use a serial interface to connect the scanner.

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.

EPSON TWAIN Pro supports the Apple ColorSync™ 2.0 color management system and QuickTime™. These extensions are automatically installed during the EPSON TWAIN Pro installation.

Year 2000 Ready

Your EPSON scanner is *Year 2000 Ready*. However, be sure the other parts of your computer system are also ready for the year 2000.

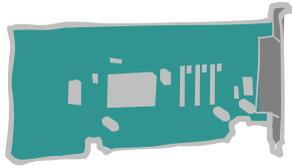


Important Safety Instructions

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.



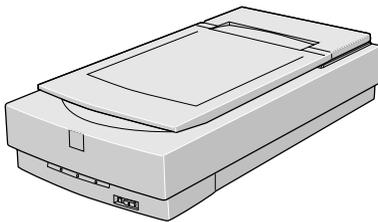
Setting Up Your Scanner

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

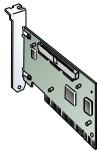
1. Unpack and choose a place for your scanner.
2. Install the SCSI interface board (PC only).
3. Unlock the scanner.
4. Set the SCSI ID number.
5. Connect the scanner to your computer.
6. Power on your scanner, then power on your computer.
7. Install the scanner software.
8. Install Adobe Photoshop 5.0 LE and any other bonus software that came with your computer.
9. Install Adobe Acrobat Reader if it's not already on your system. View your electronic manuals.

Unpack Your Scanner

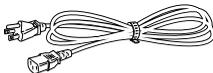
Remove the scanner from the box, then remove the packing material from your scanner. Save the packaging in case you need it later. Your EPSON Expression 800 comes with these items:



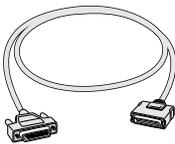
scanner



PCI SCSI interface board
(PC-compatible only)



power cable



SCSI cable



EPSON Expression 800
Scanning Tools CD-ROM



Adobe Photoshop 5.0 LE
CD-ROM



LaserSoft SilverFast 4.0 CD-ROM
(Artist and Professional models only;
Quick Start Guide is located in
CD-ROM case)



Monaco Profiler Lite CD-ROM
and User Guide (Artist and
Professional models only; located
in plastic sleeve attached to
Monaco Profiler Lite User Guide)



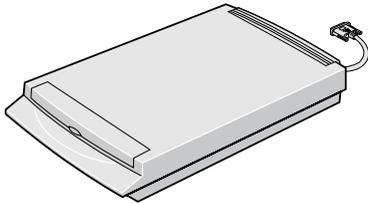
IT8 target (Artist and Professional
models only; attached to *Monaco
Profiler Lite User Guide*)



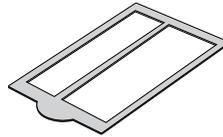
Monaco Profiler Lite User Guide
(Artist and Professional models only)

Setting Up and Using Your Scanner

If you have the Professional model of the EPSON Expression 800, your scanner also comes with these items:



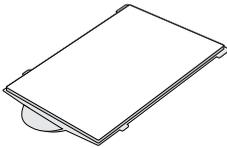
transparency unit



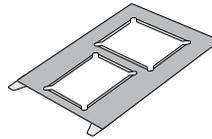
35 mm slide filmstrip guide



120/220 size (medium format) film guide



reflective document mat



4 x 5-inch film guide



35 mm filmstrip guide

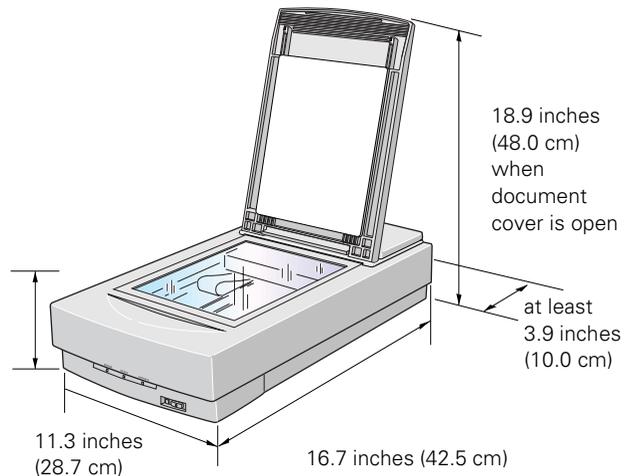


installation screws for transparency unit

Choose 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.
- Make sure to place the scanner where you can easily unplug the power cord, and where the SCSI cable can reach your computer.
- Keep the scanner away from direct sunlight and strong light sources.
- Be sure there's enough room behind the scanner for the cables, and above the scanner so you can fully raise the document cover.
- Avoid places subject to shocks and vibrations, or high or rapidly changing temperatures and humidity.



Install the SCSI Interface Board

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

If you have a Macintosh with a SCSI interface, or if you already have a SCSI board installed in your PC, skip this section.



The SCSI board that came with your scanner is for PC systems only. If your Macintosh does not have a SCSI interface, please contact Apple® Computer, Inc. or Adaptec for a compatible SCSI board.

For additional installation information, see the *Installation Guide* that came with your SCSI board or your computer documentation.

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.

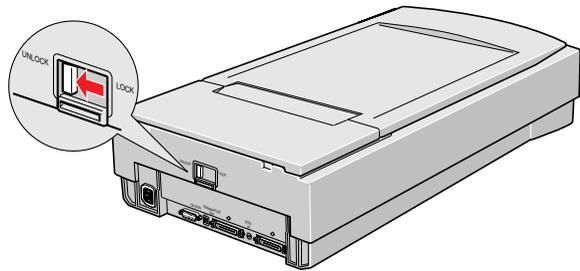
3. Insert the interface board into an empty PCI expansion slot (refer to your computer documentation for information about your PCI slots); then secure it with the bracket screw.
4. Replace the computer cover and reconnect all cables.
5. Continue with the following section, “Unlock the Scanner.”

Unlock the Scanner

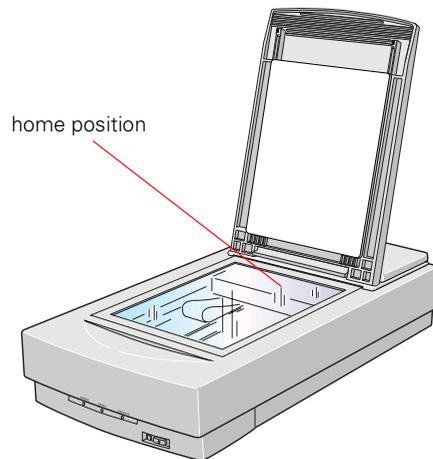
Before connecting the scanner to a power source, you must release the transportation lock, located on the back of the scanner.

Slide the transportation lock to the unlocked position, as shown.

If you can't slide the transportation lock easily, turn the scanner on; then, after the  OPERATE light starts flashing red, turn the scanner off and try again.

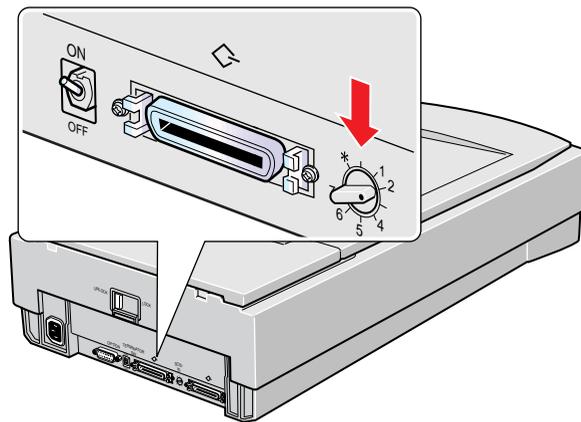


Always lock the scanner carriage before transporting it; otherwise, the scanner may be damaged. Be sure the scanner lamp is in the home position (toward the back of the scanner). To ensure this, always turn off the scanner before locking the carriage. See "Transporting the Scanner" on page 54 for more information.



Set the SCSI ID Number

The scanner is preset at the factory to SCSI ID 2. If you need to change this number, turn the scanner off. Then turn the SCSI ID switch 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. If you select the asterisk (*), the scanner won't work. Use this setting when you need to prepare the scanner for transportation. For more information on selecting an ID number, see your electronic *EPSON Expression 800 Reference Guide*.

If you're installing either the transparency unit or the auto document feeder, see "Installing the Transparency Unit" on page 46 or "Installing the Auto Document Feeder" on page 52.

Connect the Scanner to Your Computer

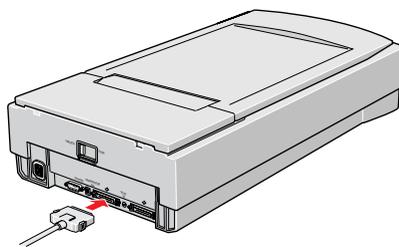


Make sure the scanner, computer, and any SCSI devices connected to your computer are turned off. The scanner is off when the  OPERATE button is out (not pushed down below the surface of the front panel).

1. Locate the SCSI cable that came with your scanner.
2. 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.

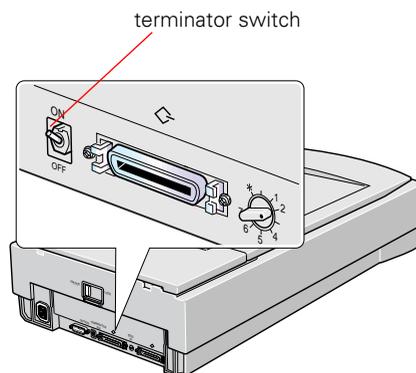


If you are connecting multiple SCSI devices, the total length of the SCSI bus (cables) must not exceed 19.7 feet (6 meters); otherwise the system may not work properly.



Do not use an external terminator. For more information on SCSI connections, see your electronic *EPSON Expression 800 Reference Guide*.

4. Locate the SCSI terminator switch at the rear of the scanner. If the scanner is the only SCSI device in the chain or if it's the last device in the chain, leave the terminator turned on. Turn the terminator switch off if you've connected your scanner in the middle of a SCSI chain.
5. Plug in the power cables for your computer, scanner, and other external SCSI devices.

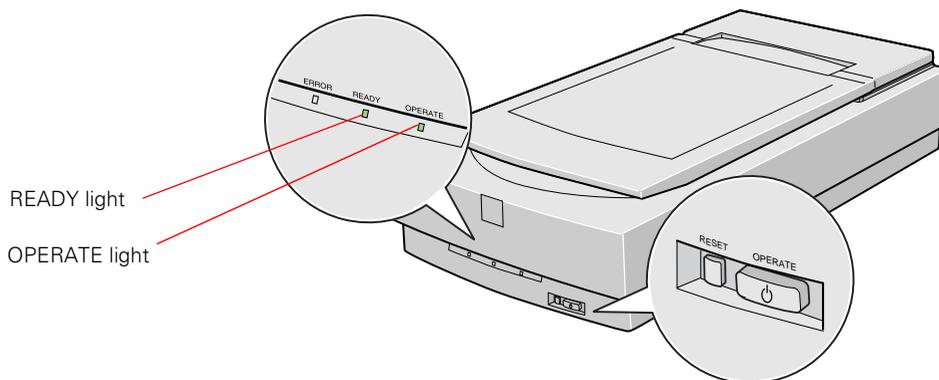


Power On Your System

Always press the OPERATE button to turn on your scanner before you turn on the computer. Otherwise, the computer may not recognize your EPSON scanner when you install your software.



As the scanner initializes, the  OPERATE light on the scanner's front panel comes on and the scanner's lamp carriage moves forward, then back. After a few seconds, the READY light comes on.



Install the SCSI Software (PC Only)

The EPSON Expression 800 Scanning Tools CD-ROM includes the Windows 95, Windows 98, and Windows NT drivers for your SCSI board. You need to install the SCSI software for your system before you can use your scanner.

Before you begin, make sure your SCSI board is installed, and your scanner is attached to the computer.

If You're Running Windows 95 or Windows 98. . .

Depending on how your computer system was originally set up, you may be asked to insert your Windows operating system CD-ROM during the scanner installation. Please have your Windows CD-ROM handy, in case it is needed.

1. Turn on your scanner first; then turn on your computer. A screen appears saying that your system has detected new hardware.



If your system doesn't automatically detect the SCSI board, run EZ-SCSI, a special Windows SCSI configuration utility. Insert your EPSON Expression 800 Scanning Tools CD-ROM in your drive. Click Start, then click Run. Type D:\Adaptec\Ezscsi\Setup in the textbox (where D: is your CD-ROM drive), then click OK.

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 EPSON Expression 800 Scanning Tools CD-ROM in the CD-ROM drive, then click Next.



4. When you see the screen to the right prompting you for the location of the driver, deselect Floppy disk drives and check Specify a location. Then use the Browse function to specify either D:\EPSON\Drivers\Win98 or D:\EPSON\Drivers\Win95 (where D: is your CD-ROM drive).



5. You see a screen indicating that Windows is ready to install the best driver for this device. Click Next to begin driver installation.
6. If your system stops installation to request the file `essiscnb.dll`, insert your Windows operating system CD-ROM in the CD-ROM drive and click OK to continue.



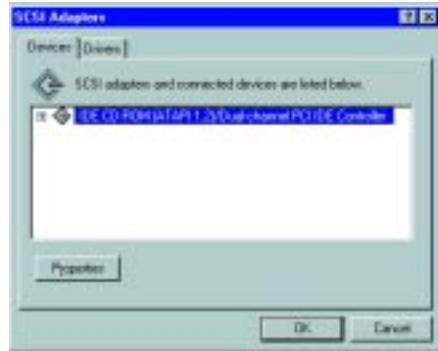
7. When you see a screen indicating that installation is complete, click Finish. The Add New Hardware Wizard closes, and you return to the Windows desktop.
8. Verify that the scanner is listed in the Windows Device Manager. (Click Start, Settings, Control Panel, then double-click the System icon. Select the Device Manager tab and double-click Image Device if you're running Windows 98, or EPSON Scanners if you're running Windows 95. EPSON Expression800 should appear in the list.)

If You're Running Windows NT 4.0. . .

Depending on how your computer system was originally set up, you may be asked to insert your Windows NT CD-ROM during the scanner installation. Please have your CD-ROM handy, in case it is needed.

1. Turn on your scanner first; then turn on your computer.
2. Log onto Windows NT.
3. Wait until you see the Windows desktop icons, then click Start, Settings, Control Panel.

4. Double-click SCSI Adapters. You see the dialog box on the right.

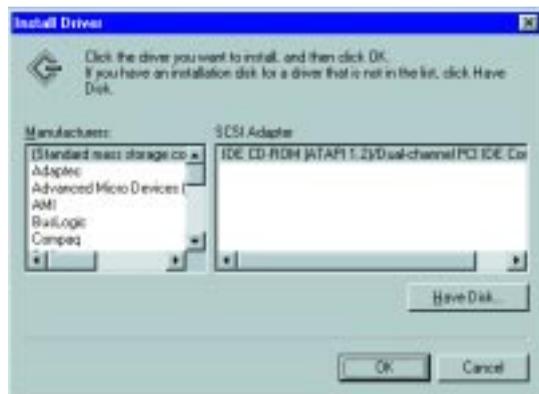


5. Click the Drivers tab.

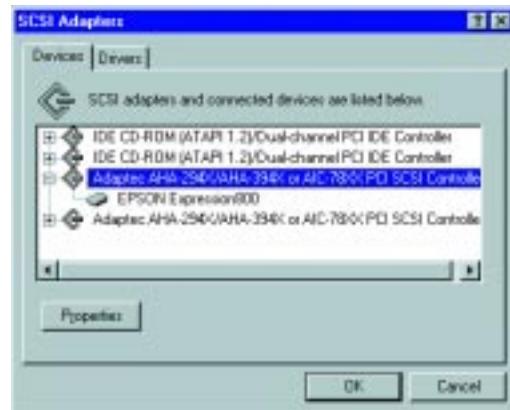
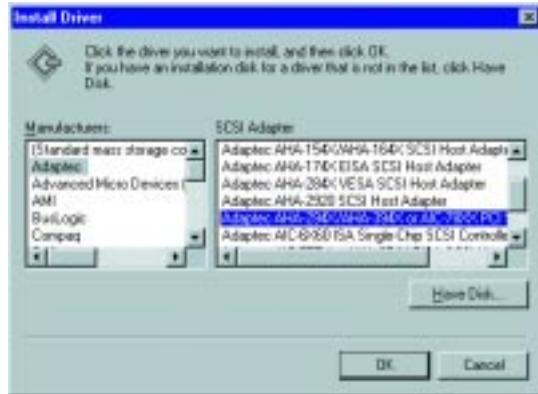


6. Click the Add button. After a moment, you see the Install Driver dialog box.

7. In the Manufacturers list, click Adaptec.



8. In the SCSI Adapter list, click Adaptec AHA-294X/AHA-394X or AIC-78XX PCI SCSI Controller.
9. Click OK. If you see a prompt to install the Windows NT CD-ROM, insert it and click OK.
10. The necessary driver files are copied to your hard drive, then you see a prompt to restart your system. Click Yes. Be sure to close any open windows to restart.
11. After the system restarts, log on again.
12. Windows NT auto-detects the scanner. To verify that the scanner was detected, click Start, Settings, Control Panel, SCSI Adapters. Then click the Devices tab if necessary. Click the + next to the Adaptec listing; EPSON Expression800 should be listed beneath it. Click OK to close the dialog box.



Install EPSON TWAIN Pro

Before you begin, make sure your SCSI board and SCSI driver are installed (Windows users only) and the scanner is connected to your computer.

If You're Running Windows

1. Turn on your scanner and wait for the READY light to come on. Then turn on your computer and turn off any virus protection programs you're using.
2. Insert the EPSON Expression 800 Scanning Tools CD-ROM in your drive.
3. Click Start, Run, then use the Browse function to go to D:\Epson\TWAINPro\Disk1 (where D: is your CD-ROM drive). Select Setup.exe and click Open, then click OK to run the installation program.
4. Follow the instructions on the screen to install EPSON TWAIN Pro and create an EPSON Scanner program group.
5. After installing the software, click Next to open the EPSON TWAIN Pro Setup window.
6. If it's not already selected, select SCSI in the Interface listbox.
7. Windows automatically detects your SCSI ID. If you've changed the SCSI ID, select the new ID in the Port Id listbox.
8. To test your scanner setup, place a document face down on the document table and close the scanner cover. Then click the Test button. After a moment, the scanned image appears in the EPSON TWAIN Pro Setup window. If the scanned image doesn't appear, see "Problems and Solutions" for help.



9. Click OK to close the window. At the next screen, click Next to calibrate the scanner to your screen. You see the Screen Calibration window.



before calibration



after calibration

10. Move the slider to the right or left until the shades of horizontal gray stripes appear similar when viewed from a slight distance. They may not match exactly, depending on your monitor. Then click OK to register the calibration setting.

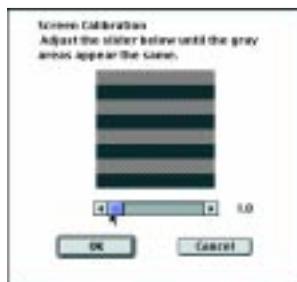


You won't need to change the screen calibration as long as you continue to use the same display. If you need to recalibrate your screen at a later time, select Screen Calibration in the EPSON Scanner folder.

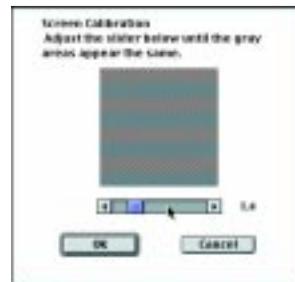
11. Click OK to exit the setup program and restart your computer.

If You're Using a Macintosh. . .

1. Turn on your scanner and wait for the READY light to come on. Then turn on your Macintosh and turn off any virus protection programs you're using.
2. Insert the EPSON Expression 800 Scanning Tools CD-ROM in your drive.
3. Double-click the EXP800 CD-ROM icon to open the CD-ROM window, then double-click the EPSON TWAIN Pro Installer icon.
4. At the first screen, click Install. The program installs EPSON TWAIN Pro and creates an EPSON Scanner folder on your hard drive.
5. When you see the message that installation was successful, click Quit.
6. Open the EPSON Scanner folder on your hard drive and double-click the EPSON Screen Calibration icon. The EPSON Screen Calibration utility starts. You see the Screen Calibration window.



before calibration



after calibration

7. Move the slider until the shades of the horizontal gray stripes appear similar. View the screen from a short distance. The gray stripes will not perfectly blend together; however, try to make the two tones match as closely as possible.
8. Click OK to register the calibration setting.
9. Click OK to exit the setup program, then restart your Macintosh.



You will not need to change the screen calibration again as long as you continue to use the same monitor. If you need to recalibrate your screen at a later time, select Screen Calibration in the EPSON Scanner folder.

Install LaserSoft SilverFast Lite

Before you begin, make sure your SCSI board and SCSI driver are installed (Windows users only) and the scanner is connected to your computer.

If You're Running Windows. . .

Make sure Windows is running and any virus protection programs are turned off.



You must install EPSON TWAIN Pro before installing LaserSoft SilverFast Lite.

1. Insert your EPSON Expression 800 Scanning Tools CD-ROM in your drive.
2. Click Start, click Run, and then click Browse. Open the SilverFast Lite folder on the CD-ROM, select setup.exe, and click Open. Then click OK.
3. Follow the instructions on the screen to complete the installation.
4. Restart Windows. The SilverFast Lite files are installed in the Expression 800 folder under Windows\Twain_32\Epson.

If You're Using a Macintosh. . .

Your Macintosh should be on and any virus protection programs should be turned off.



You must install EPSON TWAIN Pro before installing LaserSoft SilverFast Lite.

1. Insert the EPSON Expression 800 Scanning Tools CD-ROM in your drive.
2. Double-click the EXP800 CD-ROM icon to open the CD-ROM window.

3. Double-click the SilverFast Lite folder, then double-click the SilverFast Expression Installer.
4. Click Continue. Follow the instructions on the screen to install the software.
5. You see a message when installation is complete. Click Quit and restart your Macintosh. The SilverFast Lite plug-in (Expression800) appears in the TWAIN folder under System\Preferences.

Install Presto! PageManager

Because Presto! PageManager is a TWAIN-compliant application, you can use either EPSON TWAIN Pro or SilverFast Lite to import scanned images into its work area.

If You're Running Windows. . .

1. Insert your EPSON Expression 800 Scanning Tools CD-ROM in your drive.
2. Click Start, Run, then use the Browse function to go to D:\PageManager, where D: is your CD-ROM drive. Select the Setup.exe icon and click Open, then click OK.
3. At the first screen, click Install.
4. At the next screen, click Next. You see the License Agreement.
5. Read the agreement and click Yes to accept it.
6. Follow the instructions on the screen to install Presto! PageManager and create a Presto! PageManager for EPSON program group.
7. When installation is complete, restart your computer.

If You're Using a Macintosh. . .

1. Insert your EPSON Expression 800 Scanning Tools CD-ROM in your drive.
2. Double-click the EXP800 CD-ROM icon.
3. Double-click the Presto! PageManager folder, then double-click the Presto! PageManager Disk 1 folder.
4. Double-click the Presto! PageManager Installer #1 icon. You see the PageManager installer banner.
5. Click Continue.
6. Follow the instructions on the screen to complete installation. The program creates a Presto! PageManager for EPSON folder on your hard disk.

Install Xerox TextBridge Classic

Xerox TextBridge Classic is also a TWAIN-compliant program. It is recommended that you use EPSON TWAIN Pro to scan text documents onto its work area.

If You're Running Windows. . .

1. Insert your EPSON Expression 800 Scanning Tools CD-ROM in your drive.
2. Click Start, click Run, and then click Browse. Open the TextBridge Classic folder on the CD-ROM, select Setup.exe, and click Open. Then click OK.



If you're running Windows NT, you must install Service Pack 3. Otherwise, you may see an error message indicating that your path to Setup.exe is invalid.

3. Follow the instructions on the screen to complete the installation.
4. When installation is complete, click OK to restart your computer.

If You're Using a Macintosh. . .

1. Insert your EPSON Expression 800 Scanning Tools CD-ROM in your drive.
2. Double-click the EXP800 CD-ROM icon, then double-click the TextBridge Classic icon to open the TextBridge Classic folder.
3. Double-click the Install TextBridge 3.0 icon.
4. Follow the instructions on the screen to install TextBridge Classic and create a TextBridge folder on your hard disk.
5. When installation is complete, restart your Macintosh.

Install Adobe Photoshop 5.0 LE

To find out how to upgrade to the full version of Adobe Photoshop 5.0, see the Acrobat file titled Upgrade.pdf on the Adobe Photoshop 5.0 LE CD-ROM (you must have Acrobat Reader installed to view this file).

If You're Running Windows. . .

1. Insert the Adobe Photoshop 5.0 LE CD-ROM in your drive.
2. Click Start, Run, and then use the Browse function to go to D:\Photosle, where D: is your CD-ROM drive. Select setup.exe and click Open, then click OK.
3. At the first installation screen, click Next.
4. Choose a country you are in and click Next. You see the License Agreement.
5. Read the agreement and click Accept to accept it.
6. Follow the instructions on the screen. When you see the User Information dialog box, enter your name and company, and then enter the serial number (including the hyphen) of your software exactly as it appears on the CD-ROM case. Then click Next.

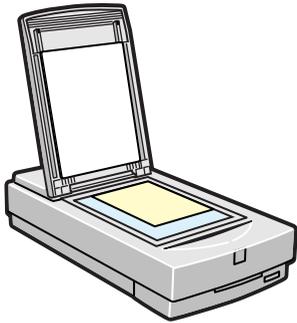
7. Follow the instructions on the screen to install the software and create a Photoshop 5.0 Limited Edition program folder in your Adobe program group.
8. When installation is complete, click Finish, then restart your computer.

For more detailed installation instructions, see the Install file on the Adobe Photoshop 5.0 LE CD-ROM.

If You're Using a Macintosh. . .

1. Insert the Adobe Photoshop 5.0 LE CD-ROM in your drive.
2. Double-click the Adobe Photoshop 5.0 LE CD-ROM icon, then double-click the Adobe Photoshop 5.0 LE folder.
3. Double-click the Install Photoshop® LE icon. You see the Adobe 5.0 LE Installer banner.
4. Choose the country you are in and click OK. You see the License Agreement.
5. Read the agreement and click Accept.
6. Follow the instructions on the screen until you see the registration screen. Enter your name and company, and then enter the serial number of your software (including the hyphen) exactly as it appears on the back of the CD-ROM case or on the registration card. Click Next.
7. Follow the instructions on the screen to install the software and create an Adobe Photoshop 5.0 LE folder on your hard disk.
8. When installation is complete, restart your computer.

For more detailed installation instructions, see the Install file on the Adobe Photoshop 5.0 CD-ROM.



How to Scan

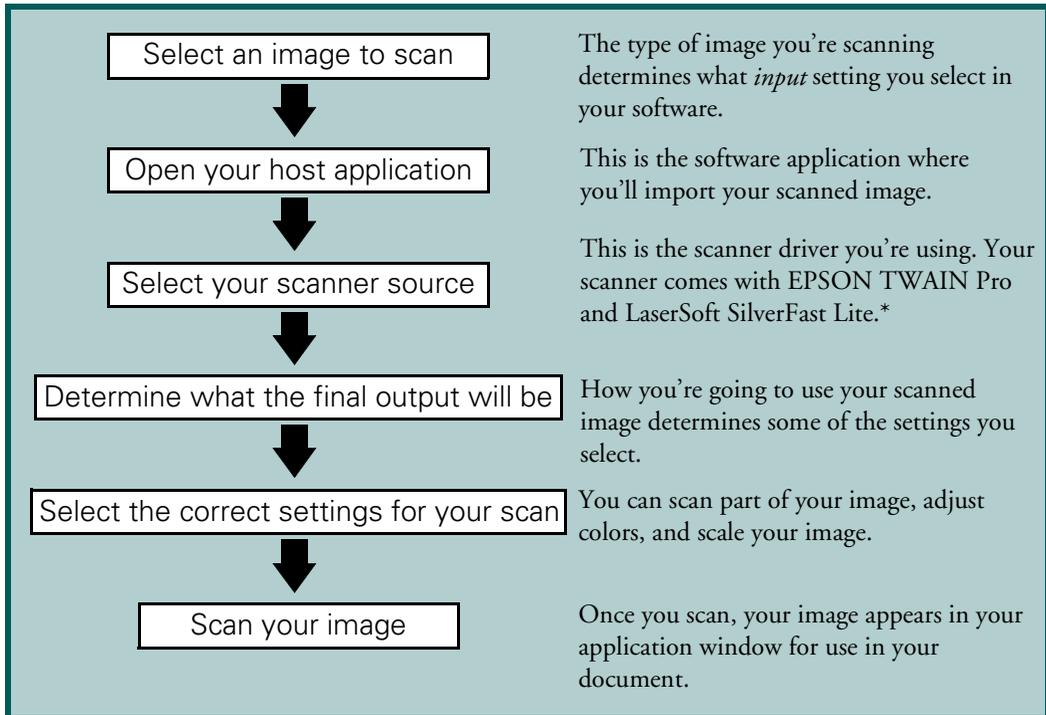
This section gives you an overview of the scanning process and some tips for getting the best scan. It also includes step-by-step scanning instructions.



Preparing to Scan

Scanning an image allows you to reproduce it many times with little or no loss of quality. You can also enlarge, reduce, or change the color of the image without affecting your original.

As with most projects, planning ahead can save you time. Scanning is a multi-step process, as shown in the following chart.



*If you have the Artist or Professional model, your scanner also comes with the full version of LaserSoft SilverFast 4.0.

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 is, 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 a program such as Adobe Photoshop to correct or mask problems such as a coffee stain on the original image.

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 only 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 “Using Marquees” in your electronic *EPSON TWAIN Pro User's Guide* or “Framing” in your electronic *LaserSoft SilverFast Lite User's Guide*.

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, such as 35 mm slides or wallet-size photos, 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.

See “Batch Scanning” in your electronic *LaserSoft SilverFast Lite User's Guide* or “Creating Multiple Marquees” in your electronic *EPSON TWAIN Pro User's Guide* for more information.

Selecting Your Scanner Driver

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.

Your EPSON Expression 800 scanner comes with two drivers, EPSON TWAIN Pro and LaserSoft SilverFast Lite. Both drivers are compatible with most TWAIN-compliant programs. Which driver you choose depends on what you’re scanning. Here are some guidelines:

- If you’re scanning photographs, transparencies, or artwork, LaserSoft SilverFast Lite is recommended (you can use EPSON TWAIN Pro, if you prefer).
- If you’re scanning text for OCR or using the optional auto document feeder, use EPSON TWAIN Pro.



If you have the Artist or Professional model of the scanner, you also have the full-featured version of the SilverFast driver, LaserSoft SilverFast 4.0. This software can be installed as both an Adobe Photoshop plug-in or a TWAIN driver. It’s recommended that you install it as an Adobe Photoshop plug-in if you plan to use it mostly with Adobe Photoshop.

“Beginning Your Scan” on page 36 shows you how to select a driver and settings. For details on using EPSON TWAIN Pro, see your electronic *EPSON TWAIN Pro User’s Guide* on your EPSON Expression 800 Scanning Tools CD-ROM. For details on using LaserSoft SilverFast Lite, see your electronic *LaserSoft SilverFast Lite User’s Guide* on the same CD-ROM.

Recommended Settings

Here are some recommended settings for different types of scans.

Image type	Recommended application	Recommended driver	Recommended driver options	Scanning resolution for printing*
Photograph	Photoshop 5.0 LE	LaserSoft SilverFast Lite**	Filter: None or Sharpen	300 dpi
Polaroid® photograph	Photoshop 5.0 LE	LaserSoft SilverFast Lite**	Original: Spectra Polaroid or 600 Polaroid	300 dpi
Magazine	Photoshop 5.0 LE	LaserSoft SilverFast Lite**	Filter: Descreening	300 dpi
Newspaper (text only)	TextBridge or PageManager	EPSON TWAIN Pro	Image Type: OCR***	300 or 400 dpi****
Text for OCR	TextBridge or PageManager	EPSON TWAIN Pro	Image Type: OCR***	300 or 400 dpi****
Text with images	TextBridge or PageManager	EPSON TWAIN Pro	Image Type: Line art B/W option: Auto Area Segmentation	300 or 400 dpi****
Line art	Photoshop 5.0 LE	LaserSoft SilverFast Lite**	Filter: Sharpen	300 to 3200 dpi
Negative transparency (35 mm film)	Photoshop 5.0 LE	LaserSoft SilverFast Lite**	Original: Neg. Transparency or 35 mm	300 to 3200 dpi
Positive transparency (35 mm slides)	Photoshop 5.0 LE	LaserSoft SilverFast Lite**	Original: Pos. Transparency	300 to 3200 dpi

* If your output is for on-screen viewing (for example, on a web page), select a resolution of 72 dpi.

** For enhanced scanning capabilities, use the full version of LaserSoft SilverFast 4.0, if you have it.

*** Automatically selects Text Enhancement Technology (TET) as your B/W option.

**** If you are enlarging your image, you must manually change the resolution (dpi).

Step-by-Step Scanning Instructions

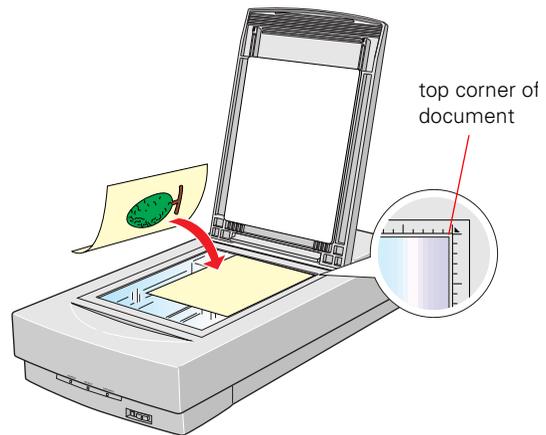
This section contains step-by-step instructions for scanning an image. Although the Macintosh interface is shown, Windows steps are the same.

Placing Your Original Document

1. Raise the scanner cover and place your document face down on the document table. If you're scanning a transparency, the optional transparency unit should be installed (page 46).



If you have the Professional model of the EPSON Expression 800, the transparency unit came with your scanner. If you have the Executive or Artist models, you can order the transparency unit.



2. Position the document so the horizontal and vertical edges are carefully aligned with the scales on the top and right 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. For details, see "Scanning Oversized Documents" in your electronic *EPSON Expression 800 Reference Guide*.

Beginning Your Scan

Scans are always performed from within a host application (the application into which you plan to import the scanned image or document). You have to start this application before you can access your scanner software.

Once you've selected your scanner driver, continue with the instructions under "Scanning with EPSON TWAIN Pro" below or "Scanning with LaserSoft SilverFast Lite" on page 38. If you're using LaserSoft SilverFast 4.0 as your scanner driver, see the electronic manual on the LaserSoft SilverFast 4.0 CD-ROM for instructions (Artist and Professional models only).

Scanning with EPSON TWAIN Pro

1. Start your host application (for example, Adobe Photoshop 5.0 LE).
2. Select your scanner driver. (Unless you change your source, you only need to do this step once.)

For example, if you're running Windows and using Adobe Photoshop 5.0 LE as your host application, choose Select TWAIN_32 Source. In the Select Source dialog box, select EPSON TWAIN Pro(32-bit). Then click Select.

If you have a Macintosh, click File, Import, Twain Select. In the Select a source dialog box, choose EPSON TWAIN Pro and click OK.



The command you choose from the File menu differs from one host application to another. With other host applications, you might choose Acquire or Select Source instead of Import.

3. Open the scanner software.

For example, choose Import from Photoshop 5.0 LE's File menu.

In Windows, select TWAIN_32.

On a Macintosh, select TWAIN_Acquire.

The EPSON TWAIN Pro main window appears.

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

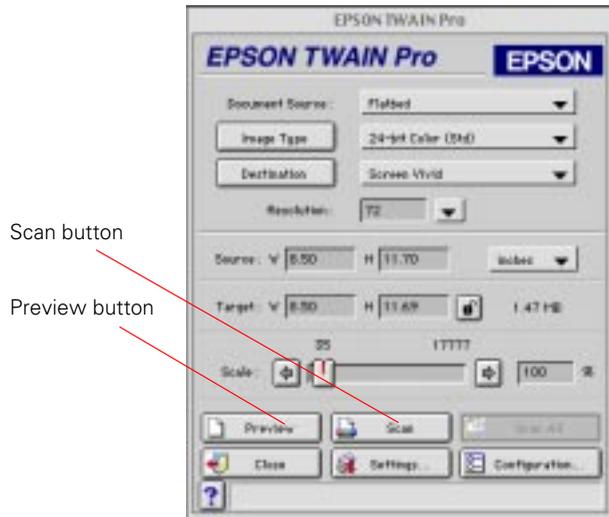
For example, if you're scanning a photograph, select Flatbed as your Document Source, 24-bit Color (Std) as your Image Type, and your printer as the Destination. (If your printer isn't listed, just select Inkjet Printer or Laser Printer as the Destination.)

5. Click the Preview button.

You see a preview of your scan in the window that opens.

6. Click the  Auto Locate button to automatically define the scan area around the edges of your image. Or adjust the scan area by positioning the mouse pointer over any of the eight boxes around the marquee's edge and dragging the box to resize the marquee.

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. If you're not satisfied with the results, see the recommended settings on page 34, or see your electronic *EPSON TWAIN Pro User's Guide* for more information about choosing settings.

If you need to remove color cast from your image, use the Gray Balance Intensity feature. See your electronic *EPSON TWAIN Pro User's Guide* for more information about adjusting Gray Balance Intensity.

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 your electronic *EPSON TWAIN Pro User's Guide* for more information.)

8. Click the close box to close the EPSON TWAIN Pro 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.

Scanning with LaserSoft SilverFast Lite

1. Start your host application (for example, Adobe Photoshop 5.0 LE).
2. Select your scanner driver. (Unless you change your source, you only need to do this step once.)

For example, if you're running Windows and using Adobe Photoshop 5.0 LE as your host application, choose Select TWAIN_32 Source. In the Select Source dialog box, select Expression 800 (32-Bit). Then click Select.

If you have a Macintosh, click File, Import, Twain Select. In the Select a source dialog box, choose Expression800 and click OK.



The command you choose from the File menu differs from one host application to another. With other host applications, you might choose Acquire or Select Source instead of Import.

If you have the Artist or Professional model and have installed LaserSoft SilverFast 4.0, just click File, SilverFast [Epson] to start the scanner software. Because LaserSoft SilverFast 4.0 is a Photoshop plug-in, you can open the driver directly from the File menu. You don't need to select a Twain source.

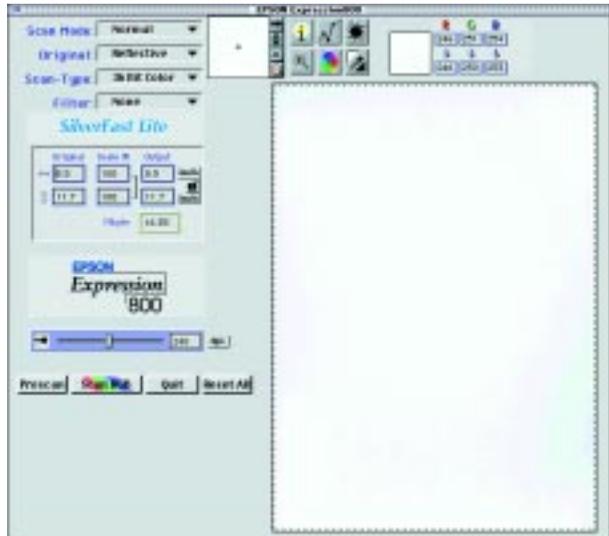
3. Open the scanner software.

For example, choose Import from Photoshop 5.0 LE's File menu.

In Windows, select TWAIN_32.

On a Macintosh, select TWAIN_Acquire.

The LaserSoft SilverFast Lite main window appears.



4. Select your Scan Mode, Original, and Scan-Type.

For example, to scan a single Polaroid photograph, you might choose Normal as your Scan Mode, Spectra Polaroid as your Original, and 36 Bit Color as your Scan-Type.

5. Click the Prescan button to preview your scan. You see the preview on the right side of the main window.
6. Click and drag the selection marquee to the edges of your image to define the scan area.
7. Click the  Auto Adjust button to automatically set the highlight, shadow, and midtones.



If you want to further optimize your image's colors, highlights, midtones, shadows, and other characteristics, you can use SilverFast Lite's image quality adjustment tools. For more information, see your electronic *LaserSoft SilverFast Lite User's Guide*.

SilverFast automatically removes color casts from images. If you want to retain the cast in an image (for example, if you want to retain the red cast in a sunset), hold down the Shift key when you click the Auto Adjust button.

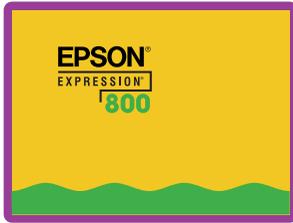
8. When you've finished making adjustments, click the Scan RGB button.

The READY light on the front of the scanner flickers while it's scanning. In a few moments, the scanned image is imported into Photoshop 5.0 LE.

(If the READY light continues to blink, it may indicate an error condition. See your electronic *EPSON Expression 800 Reference Guide* for more information.)



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



Viewing Your Electronic Manuals

You always have easy access to your electronic manuals. If Adobe Acrobat Reader is installed on your computer, you can open any of the Acrobat files in the Manuals folder on your EPSON Expression 800 Scanning Tools CD-ROM. Just open the folder for the manual you want to view, then double-click the file (Acrobat files always have a pdf extension).

Your EPSON Expression 800 Scanning Tools CD-ROM includes the following electronic manuals:

- *EPSON Expression 800 Reference Guide* (Epson Reference.pdf)
- *EPSON TWAIN Pro User's Guide* (TwainPro.pdf)
- *LaserSoft SilverFast Lite User's Guide* (SilverLite.pdf)
- *Presto! PageManager User's Guide* (PageManager.pdf)
- *TextBridge Classic User's Guide* (TextBridge User's Guide.pdf)

In addition, you'll find Acrobat files for electronic manuals on your LaserSoft SilverFast 4.0 CD-ROM, Monaco Profiler Lite CD-ROM, and Adobe Photoshop 5.0 LE CD-ROM. You can also open these manuals by double-clicking the Acrobat file.

For some guidelines for viewing your electronic manuals using Adobe Acrobat Reader, see "Navigating a Manual" on page 43.



To view your electronic manuals, you must install Adobe Acrobat Reader, if you don't already have it on your system.



Installing Adobe Acrobat Reader

If You're Running Windows. . .

1. Insert the EPSON Expression 800 Scanning Tools CD-ROM in your drive.
2. Click Start, then Run.
3. Use the Browse function to navigate to your CD-ROM drive. Next open the Manuals folder, and then the Acrobat Reader folder.
4. Select Ar32r301.exe and click Open. Then click OK.
5. At the prompt, click Yes to begin installation.
6. At the next screen, click Next. You see the License Agreement.
7. Read the agreement and click Yes to accept it.
8. Follow the instructions on the screen to install the software and create an Adobe Acrobat program group on your computer.
9. When installation is complete, click Finish.

If You're Using a Macintosh. . .

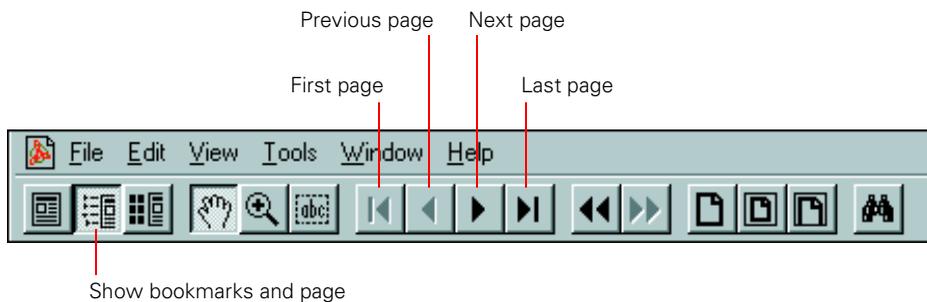
1. Insert the EPSON Expression 800 Scanning Tools CD-ROM in your drive.
2. Double-click the EXP800 CD-ROM icon.
3. Double-click the Manuals folder, then double-click the Acrobat Reader Installer folder.
4. Double-click the Reader folder, then double-click the Install Acrobat Reader 3.0 installer icon. You see the Acrobat Reader 3.0 Installer banner.
5. Click Continue. You see the License Agreement.
6. Read the agreement and click Accept.
7. Follow the instructions on the screen to complete installation.

Copying a Manual to Your Hard Drive

If you prefer to view the EPSON manuals from your hard drive instead of the CD-ROM, you can copy them from the Manuals directory. The file names are listed on page 41.

Navigating a Manual

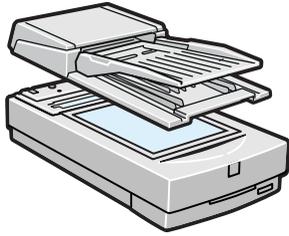
When you open an electronic manual, you'll see this toolbar:



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 on the left side of the screen to move quickly to the topic of your choice. Click the Show Bookmarks 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 chapter and section entries are hot.
- Use the arrow buttons in the toolbar or the vertical scroll bar on the right side of the document to move through a manual. (The box to the left of the scroll bar displays the current page number.)

For more information, see your Acrobat Reader online guide.



Setting Up the TPU and ADF Units

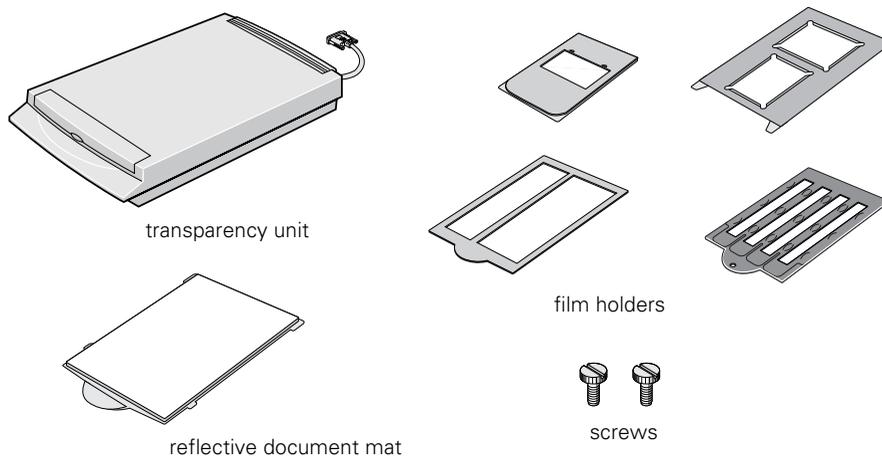
There are two add-ons available for the EPSON Expression 800: the transparency unit (B813152) and the auto document feeder (B813162). If you have the Professional model of the EPSON Expression 800, the transparency unit came with your scanner. You can purchase these options from your reseller or from 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.epsonsupplies.com (U.S. sales only).

Transparency Unit

The transparency unit (B813152) allows you to scan transparent materials—35 mm slides, filmstrips, and film up to 8.5 × 11.7 inches (216 × 297 mm) in size. To switch between scanning transparent materials and normal reflective (paper) documents, simply insert or remove the reflective document mat that came with the unit. For instructions on using the reflective document mat, see “Scanning Normal Documents with the Transparency Unit Installed” on page 50.

Unpacking the Transparency Unit

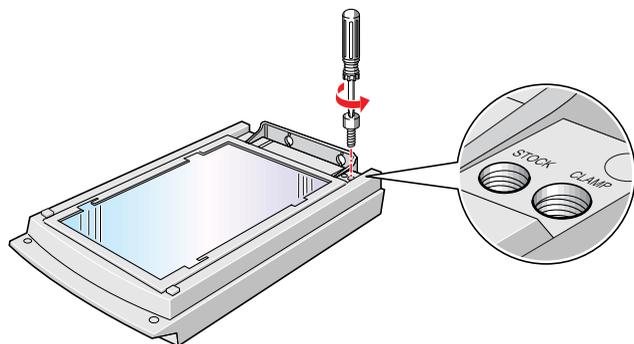
Make sure that all of the following items are included in the transparency unit box. If any items are missing or damaged, contact your EPSON dealer. Keep all the packing materials so you can use them for storage when you are not scanning transparencies.



Removing the Shipping Screw

To prevent damage during shipping, a shipping screw is attached to the transparency unit to secure its lamp assembly. You must remove this screw before using the transparency unit.

1. Turn the transparency unit so the glass side faces up.
2. Use a Phillips head (cross head) screwdriver to remove the shipping screw from the hole labeled CLAMP, as shown at right.
3. Install the screw in the storage hole labeled STOCK.

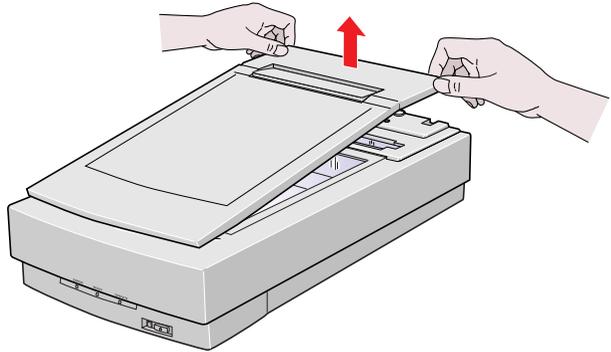


Before transporting the scanner, be sure to reinstall the shipping screw in the hole labeled CLAMP, and slide the transportation lock at the back of the scanner to the LOCK position.

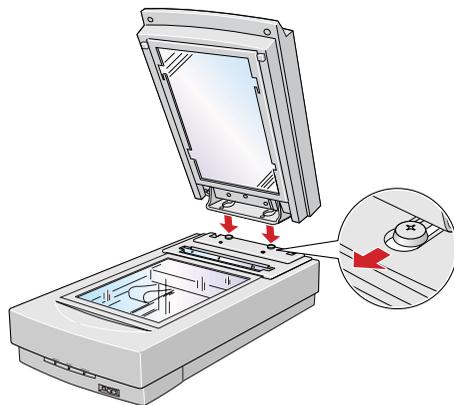
Installing the Transparency Unit

Follow these steps to install the transparency unit on the scanner.

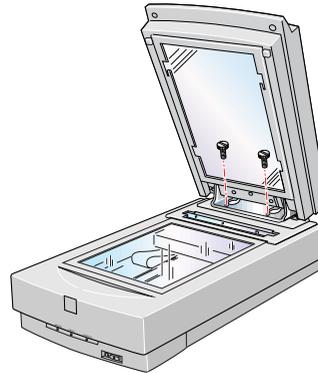
1. Make sure the scanner is turned off. Then unplug the power cable from the scanner.
2. Remove the document cover by grasping the back of the document cover as shown and easing the cover up.
3. Make sure the document table is clean and dust free.



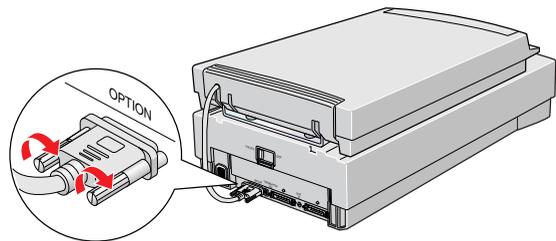
4. Position the slots on the transparency unit's mounting bracket over the heads of the two mounting screws located at the back of the scanner. Slide the transparency unit forward slightly until the two holes in front of these slots are aligned with the screw holes at the back of the scanner.



5. Insert the two installation screws that came with the transparency unit into the screw holes, then tighten the screws with a coin.



6. Gently close the transparency unit.
7. Attach the transparency unit connector to the OPTION connector at the back of the scanner. Tighten the attached screws to secure the connector.
8. Plug the scanner back in and turn it on.



If you haven't connected the scanner to your computer, continue with "Connect the Scanner to Your Computer" on page 15. Then turn on the scanner and transparency unit.

For instructions on how to use the transparency unit, see your electronic *EPSON Expression 800 Reference Guide* for transparency loading instructions, then refer to "Step-by-Step Scanning Instructions" on page 35 of this guide for scanning instructions. For more detail, see your electronic *EPSON TWAIN Pro User's Guide* or *LaserSoft SilverFast Lite User's Guide*.

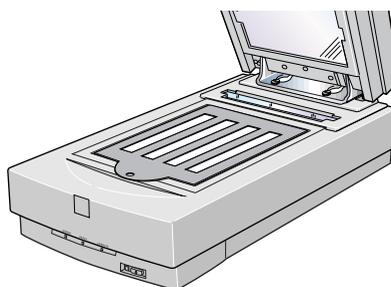
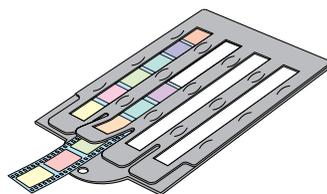
Using the Film Guides

You can use the four film guides that came with the TPU to scan 35 mm slides, strips of 35 mm negative or positive film, 120-size or 220-size format film, and 4 × 5-inch film.

Loading 35 mm film

Follow these steps to load 35 mm positive or negative film:

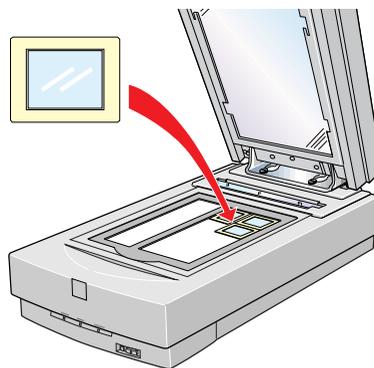
1. Insert the film strips in the guide, as shown at right. The glossy (smooth) side of the film should be facing up as you insert each filmstrip into its individual holder.
2. Turn the guide over so that the glossy side of the film is facing down and place the guide on the document table, as shown. Make sure that the upper and right edges of the guide are aligned with the ruled edges of the document table.
3. Close the TPU and scan according to the instructions in your scanner driver's electronic guide.



Loading 35 mm slides

Follow these steps to load 35 mm slides:

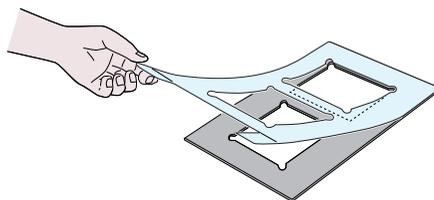
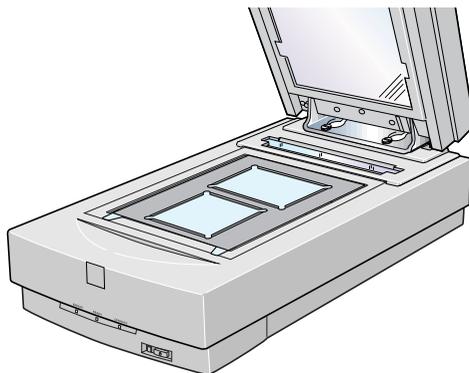
1. Position the slide transparency guide on the document table, as shown. (The upper and right edges of the guide should be aligned with the ruled edges of the document table.)
2. Carefully position each slide inside the guide, making sure that the glossy (smooth) side of the film is facing down. (You can line up two columns of 35 mm slides in the larger section of the guide, and one column in the smaller section.)
3. Close the TPU and scan according to the instructions in your scanner driver's electronic guide.



Loading 4 × 5-inch film

Follow these steps to load 4 × 5-inch film:

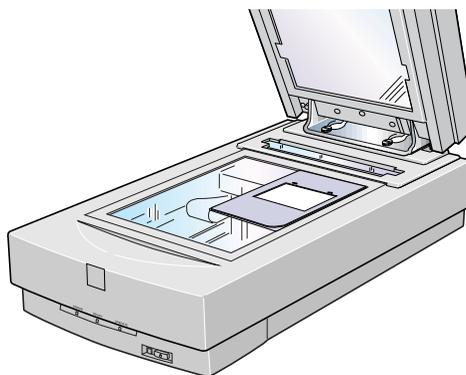
1. Place the 4 × 5-inch film guide on the document table with the plastic cover facing up. Make sure that the upper and right edges of the guide are aligned with the ruled edges of the document table.
2. Lift the plastic cover and position the film with the glossy (smooth) side of the film facing down. Make sure to align the area you want to scan with the open scan areas on the guide.
3. Close the TPU and scan according to the instructions in your scanner driver's electronic guide.



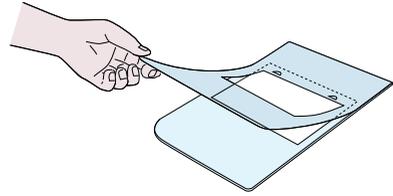
Loading 120-size or 220-size (medium format) film

Follow these steps to load 120-size or 220-size format film:

1. Place the 120/220-size film guide on the scanner's document table, fitting one corner of the guide against the upper right corner of the document table. The guide's cover should be facing up.



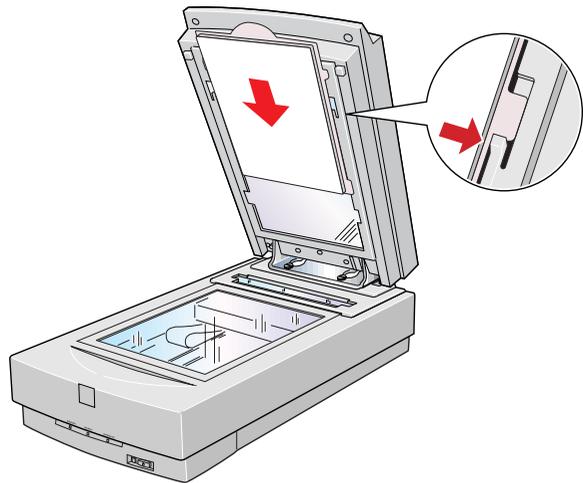
2. Place the film inside the guide, making sure that the area you want to scan is aligned with the open scan area in the guide. The glossy (smooth) side of the film should be facing down.
3. Close the TPU and scan according to the instructions in your scanner driver's electronic guide.



Scanning Normal Documents with the Transparency Unit Installed

To scan normal documents with the transparency unit installed, insert the reflective document mat included with the transparency unit.

1. Open the transparency unit. If there's a film guide on the document table, remove it.
2. Insert the tabs on the reflective document mat into the slots on the transparency unit and slide the mat down until the tabs are secure.
3. Place your document face down on the document table and close the transparency unit.
4. Scan according to instructions in "Step-by-Step Scanning Instructions" on page 35.



Auto Document Feeder

The auto document feeder (B813162) allows you to automatically load multi-page documents into your scanner. This document feeder is particularly useful for OCR (optical character recognition) scanning, or for creating an image database. You can load up to 30 pages of 8.5 × 11-inch paper in the auto document feeder.



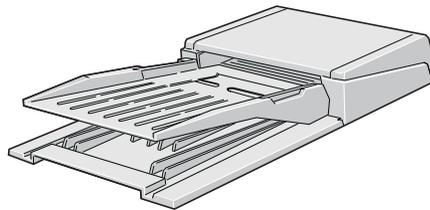
To use the auto document feeder with your OCR software, you must install EPSON TWAIN Pro.

Unpacking the Auto Document Feeder

When you unpack your auto document feeder, make sure you have the parts shown below. If any items are missing or damaged, contact your EPSON dealer.



screws



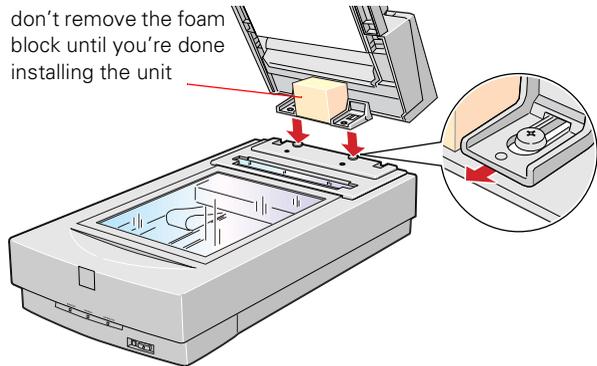
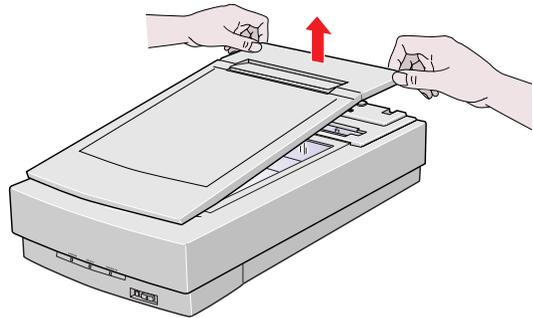
auto document feeder

Installing the Auto Document Feeder

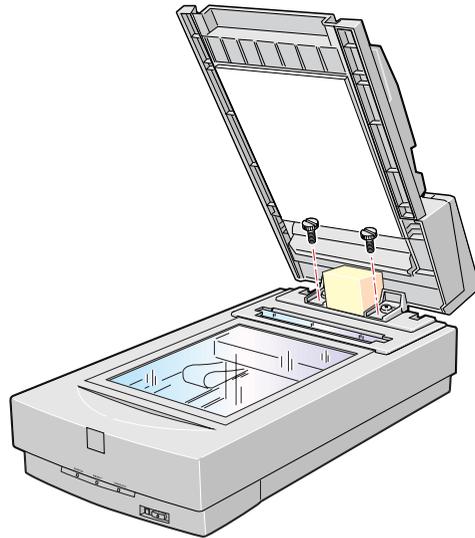
Don't remove the protective foam block from the mounting hardware until you've finished installing the auto document feeder.

Follow the steps below to install the auto document feeder on your scanner.

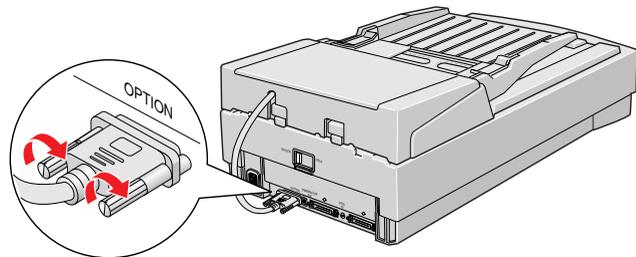
1. Make sure your scanner is turned off and unplug the cables.
2. Remove your scanner's document cover by grasping the back of the cover as shown and easing the cover up.
3. Make sure the document table is clean and dust free.
4. Position the auto document feeder's mounting slots over the two mounting screws located at the back of the scanner. Slide the auto document feeder forward slightly until the two holes in front of these slots are aligned with the screw holes at the back of the scanner.



5. Insert the two installation screws that came with the auto document feeder into the screw holes, then tighten the screws with a coin.
6. Remove the protective foam block from the auto document feeder's mounting hardware and gently close the auto document feeder.

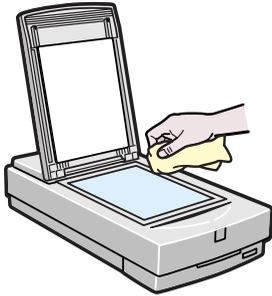


7. Attach the auto document feeder's connector to the scanner's OPTION interface.
8. Reattach all the scanner cables and turn on the scanner.



For instructions on how to use the auto document feeder, see your electronic *EPSON Expression 800 Reference Guide* for paper loading instructions, then refer to the *EPSON TWAIN Pro User's Guide* for scanning instructions.

If you haven't connected the scanner to your computer, continue with "Connect the Scanner to Your Computer" on page 15.



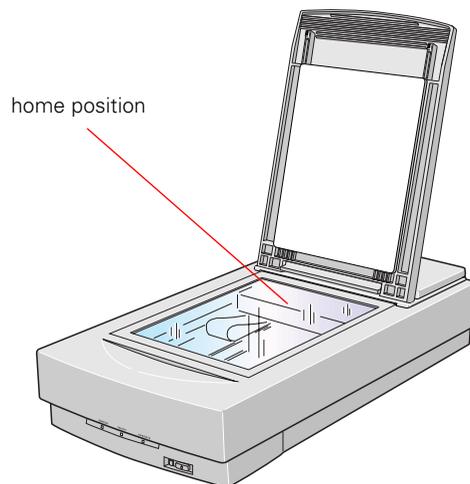
Scanner Maintenance

This section gives you basic maintenance instructions and tells you how to transport your scanner safely.

Transporting the Scanner

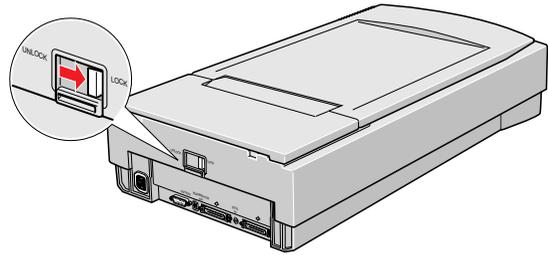
When you transport the scanner a long distance or store it for an extended time, follow the steps below to secure the carriage.

1. Make sure the transportation lock on the back of the scanner is in the UNLOCK position.
2. Locate the SCSI ID rotary switch on the back of the scanner. Align the dot on the rotary switch with the asterisk (*).
3. If you're using a transparency unit or auto document feeder, remove it and replace the scanner cover.
4. Turn on the scanner and wait until the carriage moves to the home position (toward the back of the scanner). Then turn off the scanner.



5. Slide the transportation lock at the back of the scanner to the LOCK position.

If the carriage does not automatically return to the home position, slowly raise the front of the scanner and hold it up until the carriage comes to rest in the home position. Then slide the transportation lock to the LOCK position.

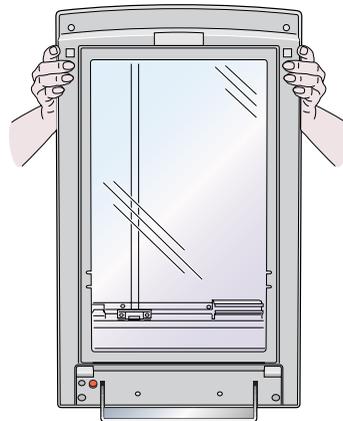


If you are using a transparency unit and it is switched on, the scanner carriage will not move to the home position. Remove the transparency unit first, then perform the steps above. See the next section for instructions.

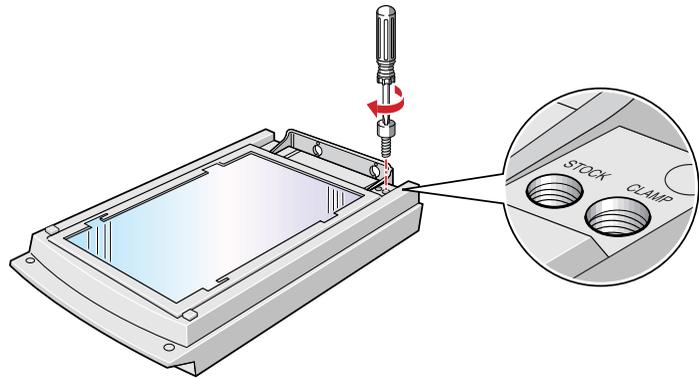
Transporting the Transparency Unit

After you've removed the transparency unit from the scanner, prepare it for shipping as follows:

1. Slowly raise the front of the transparency unit as shown to allow the lamp assembly to slide to the back of the unit. Wait until the lamp assembly comes to rest.



2. Reinstall the transparency unit's shipping screw in the hole marked CLAMP.



Cleaning the Scanner

To keep your scanner operating at its best, you should clean it periodically. Before cleaning, unplug the power cord.

Use a soft cloth to clean the outer case with mild detergent dissolved in water.

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

Be sure there's no dust on your document table. Dust can cause white spots to appear in your scanned image.



Never use a harsh or abrasive brush or cleaning product to clean the document table. A damaged glass surface can decrease the scanning quality.

Never use alcohol, thinner, or corrosive solvent to clean the scanner. These chemicals can damage the scanner components as well as the case.

Be careful not to spill liquid into the scanner mechanism or electronic components. This could permanently damage them.

Don't spray lubricants inside the scanner.

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



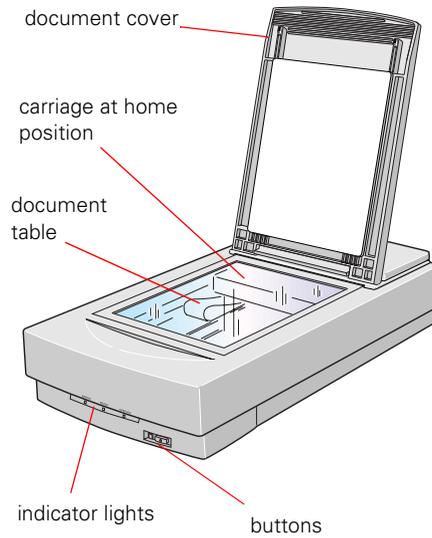
Problems? Need Help?

This chapter identifies the scanner parts and gives you the basics for diagnosing and solving scanner problems. For solutions to common setup and software problems, see “Problems and Solutions” on page 61.

For additional troubleshooting tips, see the “Troubleshooting” sections of your electronic *EPSON TWAIN Pro User’s Guide*, *LaserSoft SilverFast Lite User’s Guide*, and *EPSON Expression 800 Reference Guide*.

Identifying Scanner Parts

Here are the parts of your scanner:



Lights and Buttons

The scanner has three indicator lights and two buttons:

Scanner indicator lights

Light	Light status	Color	Scanner status
OPERATE	○	Green	Initializing or busy scanning
READY	○	Green	Ready to scan images
	◌̈̈̈ (flashing)	Green	Scanning is in progress
ERROR	○	Red	An error occurred; see the table below for more information
	◌̈̈̈ (rapidly flashing)		
	●		

○ = on, ● = off, ◌̈̈̈ = flashing

Error conditions

ERROR light	READY light	Error type
○	○	Command error: The scanner has received incorrect commands from your scanning software. Try rescanning the document.
●	◌̈̈̈	Interface error: Check that your scanner is securely connected to your computer and press the RESET button.
◌̈̈̈	◌̈̈̈	Fatal error: Check that the transportation lock is released, then press the RESET button. If this doesn't solve the problem, call your EPSON dealer.
●	●	Option error: There's a problem with an installed option. Consult your EPSON dealer.

Scanner buttons

Button	Function
 OPERATE	Turns the scanner on and off.
RESET	Resets the scanner after an error. (Pressing this button while scanning is in progress stops the scanner and may cause an error.)

Problems and Solutions

If you're having problems, this section answers some of the most common questions. For additional software troubleshooting tips, see your electronic *EPSON TWAIN Pro User's Guide* and *LaserSoft SilverFast Lite User's Guide*.

Setup Problems

If your system doesn't recognize the SCSI board (Windows only). . .

- Check the Plug and Play option for your computer; it should be active.
- Make sure your SCSI board is installed correctly. If it isn't seated firmly in the PCI slot, the computer may not recognize it.
- Run EZ-SCSI, a special SCSI configuration utility for Windows 95, 98, and NT. Insert your EPSON Expression 800 Scanning Tools CD-ROM. Click Start, then click Run. Type D:\Adaptec\Ezscsi\Setup (where D: is your CD-ROM drive) and click OK, then follow the instructions on the screen.

After you restart your computer, your system should recognize your SCSI board.

If your system doesn't recognize the scanner (Windows only)...

- Make sure your scanner is 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.
- 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.

- Check the SCSI cable connection or try another cable.

If Expression 800 doesn't appear in the Port Id dialog box in the EPSON TWAIN Pro Setup window (Windows only). . .

- Make sure your system is correctly cabled and terminated and there are no conflicting SCSI IDs.
- Go to Control Panels, System, Device Manger. Double-click the Unknown Devices icon. Select Expression 800 and remove it from the system. Restart your computer. Then reinstall the scanner software.

If no image appears in the EPSON TWAIN Pro Setup window when you click the Test button (Windows only). . .

- Make sure your system is correctly cabled and terminated and there are no conflicting SCSI IDs.
- Make sure you have a document face down on the document table.

Scanner Problems

If 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.

If the scanner doesn't scan your image. . .

- Check your image source setting. Make sure you selected Expression 800 if you are using LaserSoft SilverFast Lite, or EPSON TWAIN Pro if you are using EPSON TWAIN Pro.
- Make sure that the SCSI terminator is set up correctly. See "Connect the Scanner to Your Computer" on page 15 for details.
- Run the scanner test (Windows only) to make sure the scanner is communicating with your computer.

If you installed a ZIP drive. . .

Your ZIP drive may be interfering with your scanner. Disable the ZIP drive in the System Device Manager in the Windows Control Panel, then try using your scanner.

If you're using a transparency unit or auto document feeder. . .

- Make sure the unit is correctly installed and connected to the scanner's OPTION interface.
- Make sure you're selecting the correct Document Source (EPSON TWAIN Pro) or Original (LaserSoft SilverFast Lite) setting for your image.

Software Problems

If you can't open the scanner driver. . .

- Check the cable connecting the scanner to the computer. Also, make sure the scanner's  OPERATE light is on. The scanner must be turned on before you start your computer. If necessary, turn on the scanner and restart your computer.

- Check your SCSI board installation (Windows only). Make sure that the SCSI interface board is installed correctly in your computer. See page 12 for installation instructions.
- Check that your system recognizes your scanner and SCSI board (Windows only). Check System Device Manager in the Windows Control Panel. For Windows NT 4.0, check the SCSI Adapters dialog in the Windows Control Panel.
- Check for conflicts in your SCSI ID setting, I/O address, the interrupt setting for your SCSI board, and other settings. For information about the SCSI ID setting, see page 14. For information about choosing other settings, see your computer manual.
- Check your image source setting. Make sure you selected Expression 800 if you are using LaserSoft or EPSON TWAIN Pro if you are using EPSON TWAIN Pro.

If the scanner software doesn't work properly. . .

- Make sure the system requirements (for example, the operating system version) are correct for your software. See page 5.
- Check your computer's memory. See if the computer has enough memory for your software. 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.

If you need to reinstall your scanner software. . .

See the installation instructions beginning on page 21.

Scanning Problems



If the file size is too big. . .

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



If your scanned image is faint or has gaps. . .

- Check the brightness. Decrease the software or driver's brightness setting.
- Try adjusting the Gamma setting.
- Check the condition of your original. If the document is damaged, dirty, or wrinkled, these imperfections will show up in your scan.



If 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.



If the edges of the document are not scanned. . .

Check the position of your source document. Adjust your document's position so that the image is within the glass area.



If your image scans at an angle. . .

Check the position of your source 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.

Where To Get Help

EPSON Technical Support

EPSON provides technical assistance through electronic support services and automated telephone services 24 hours a day. The following tables list the contact information:

Electronic support services

Service	Access
World Wide Web	From the Internet, you can reach EPSON's Home Page at http://www.epson.com .
EPSON Internet FTP Site	If you have Internet FTP capability, use your Web browser (or other software for FTP downloading) to log onto ftp.epson.com with the user name anonymous and your e-mail address as the password.
EPSON Download Service	You can call the EPSON Download Service at (800) 442-2007 . Set your communications software to 8 data bits, 1 stop bit, no parity. Modem speed can be up to 28.8 Kbps.
EPSON Forum on CompuServe®	Members of CompuServe can type GO EPSON at the menu prompt to reach the Epson America Forum. For a free introductory CompuServe membership, call (800) 848-8199 and ask for representative #529.

Automated telephone services

Service	Access
EPSON SoundAdvice SM	For pre-recorded answers to commonly asked questions about EPSON products 24 hours a day, seven days a week, call (800) 922-8911 .
EPSON FaxAdvice TM	Access EPSON's technical information library by calling (800) 922-8911 . You must provide a return fax number to use this service.
EPSON Referral Service	For the location of your nearest Authorized EPSON Reseller or Customer Care Center, call (800) 922-8911 .

To speak to a technical support representative, dial (310) 974-1970 (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 Expression 800)
- Product serial number (located on the back of scanner)
- Computer configuration
- Description of the problem

You can purchase genuine EPSON supplies and accessories 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.epsonsupplies.com (U.S. sales only).



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

Software Technical Support

Software	Telephone	Fax	Online and E-mail
LaserSoft SilverFast Lite or LaserSoft SilverFast 4.0	(941) 383-7496	(941) 387-7574	www.lasersoftint.com lasersoft@earthlink.net
EPSON TWAIN Pro	(310) 974-1970 (800) 922-8911	(800) 922-8911 fax-on-demand system	www.epson.com
Adobe Photoshop 5.0 LE	Macintosh: (900) 555-3300 Windows: (900) 555-2200 \$2.00 per minute	(206) 675-6137 fax-on-demand system	www.adobe.com/ supportservice/custsupport/ techsupport.html techdocs@adobe.com
NewSoft Presto! PageManager	(510) 445-8616	(510) 445-8601	www.newsoftinc.com
Xerox TextBridge Classic	(800) 343-8311 \$14.95 per issue	—	—
Monaco Profiler Lite	(978) 749-9944	(978) 749-9977	www.monacosys.com

Index

A

Accessories, 68
Adobe Acrobat Reader, using, 43
Adobe Photoshop LE, installing, 27 to 28
Auto document feeder, 51 to 53

B

Blurred image, 65
Buttons, 60

C

Cable length, 15
Calibrating your screen, 22, 23
Cleaning the scanner, 56
Connecting the scanner to your computer,
15

D

Document position, 35, 66
Documentation, how to use, 3 to 4, 43

E

EPSON
Accessories, 68
help, 67 to 69
EPSON TWAIN Pro, installing, 21 to 23
EZ-SCSI, 61

F

File size, 64

H

Help
EPSON, 67 to 69
software, 69
Home position, 13

I

ID number, SCSI, 14
Image quality problems, 64 to 66
Installing
auto document feeder, 52 to 53
SCSI interface board, 12
software, 16 to 28
transparency unit, 46 to 47

L

LaserSoft SilverFast Lite, installing, 24 to 25
Light, scanner, 60
Lock, transportation, 13

M

Macintosh
installing software, 23, 24 to 25, 26,
27, 28
system requirements, 6

Maintenance, 56
Manuals, viewing electronic, 41 to 43
Moving the scanner, 54

O

Operate
 button, 60
 light, 60
Optional equipment, 44 to 53

P

Photographs
 scanning, 34
Photoshop 5.0 LE, installing, 27 to 28
Power-on sequence, 16
Presto! PageManager, installing, 25 to 26

R

Recommended settings, 34
Resizing images, 32
Resolution, choosing, 31, 34

S

Safety instructions, 7
Scaling images, 32
Scanning
 photographs, 34
 transparency, 34
Screen calibration, 22, 23

SCSI
 configuring the SCSI board, 61
 ID number, 14, 62
 interface board installation, 12
 software installation, 16 to 20
 terminator switch, 15
Service, 67 to 69
Settings, software, 34
Setup problems, 61 to 62
SilverFast Lite, installing, 24 to 25
Software installation
 Macintosh, 23, 24 to 25, 26, 27, 28
 Windows, 16 to 22, 24, 25, 26, 27
Software problems, 63 to 64
Software settings, 34
Space requirements, 11
Start button, 60
Support, 67 to 69
System requirements, 5 to 6

T

Technical support, 67 to 69
Terminator switch, SCSI, 15
Text Enhancement Technology (TET), 34
Text, scanning, 34
TextBridge Classic, installing, 26 to 27
Transparency unit, 44 to 47
Transparency, scanning, 34
Transportation lock, 13
Transporting the scanner, 54
Troubleshooting
 image quality, 64 to 66
 scanner, 62 to 63
 setup, 61 to 62
 software, 63 to 64
TWAIN Pro, installing, 21 to 23

U

Unlocking the scanner, 13

Unpacking the scanner, 9

V

Viewing electronic manuals, 41 to 43

W

Windows

installing software, 16 to 22, 24, 25,
26, 27

system requirements, 5

World Wide Web, 67, 69

X

Xerox TextBridge Classic, installing, 26 to
27

Y

Year 2000, 6

