Unpack Your Scanner
1 Make sure you have everything for your EPSON scanner:
Perfection 1670 scanner
Perfection 1670 Photo scanner
Power cord and AC adapter
USB cable
Film folder (Perfection 1670 Photo only)
CD-ROM with EPSON Scan driver, software, and electronic manuals

Note:
• The contents may vary in certain locations.
• The setup illustrations show the Perfection 1670 Photo, but the instructions are the same for the Perfection 1670, unless noted otherwise.

2 Remove all the packing tape, but leave the large sticker in place until instructed to remove it.

3 If you need to insert or remove the cover, insert the hinges on the cover into the square holes at the back of the scanner. (Make sure the cable on the Perfection 1670 Photo does not get caught under the scanner cover.) Close the cover.

Install the Software
Wait! You must install your software before connecting the scanner to your computer. The installation process may take several minutes.

Be sure to close all open programs and turn off any virus protection programs.

Note: These instructions are for Windows® and Macintosh® OS 8.6 to 9.x and OS X 10.2.x.
1 Insert the scanner software CD-ROM in the CD-ROM or DVD drive. The installer starts automatically.
   If it doesn’t start, do the following:
   • Windows XP: Click Start, double-click My Computer, then double-click EPSON.
   • Windows 98, Me, and 2000: Double-click My Computer, then double-click EPSON.
   • Macintosh: Double-click the EPSON CD-ROM icon.
2 If you’re using Mac OS 8.6 to 9.x, double-click the EPSON icon in the EPSON folder.
   If you’re using Mac OS X, double-click the Mac OS X folder in the EPSON folder, then double-click the EPSON icon. Enter your Administrator name and password and click OK.
3 Read the license agreement, then click Agree.
4 At the Software Installation screen, click Install.
5 Follow the on-screen instructions to install each program. Click Next or Finish (Windows) or Quit (Macintosh) to continue, as needed. Note: The EPSON Smart Panel™ installs in several steps.
6 At the end of the installation, click Exit.
7 If you see a Product Registration screen, register your scanner as instructed.
   At the last screen, click Done or close your browser.
   Continue with section 3, “Connect the Scanner.”

Connect the Scanner
After your software is installed, it’s time to get connected.
1 Locate the transportation lock on the bottom of the scanner and slide the lock to the unlock position, as shown below.
   Caution: Do not turn the scanner over; this may damage the scanner.

2 Remove the sticker from the back of the scanner.

3 On the Perfection 1670 Photo, connect the cable for the built-in transparency unit.

4 Connect the power cord and AC adapter, as shown.

5 Connect the AC adapter to the scanner.

6 Plug the other end of the power cord into a grounded electrical outlet.
   Caution:
   • It is not possible to change the AC adapter’s input or output voltage. If the label on the AC adapter does not show the correct voltage, contact your dealer. Do not plug in the power cord.
   • Whenever you plug in the scanner, wait at least 10 seconds before unplugging it back in. Rapidly plugging and unplugging the scanner can damage it.
   The scanner turns on and the Start button light flashes green. It stops flashing and turns green when the scanner is ready.

7 Use the USB cable that came with your scanner. Plug the square end of the USB cable into the scanner’s USB port. Then plug the flat end into any available USB port on your computer.

Scanner Basics
Your First Scan
The Start button on your scanner automatically launches Smart Panel, making it easy for you to scan your images for many different uses. Here’s how you can use the Start button and Smart Panel to scan photos and save them as files.

1 Raise the scanner cover and place your photo face down on the glass. Make sure the top of the document is against the front edge of the scanner glass. Then close the cover.

2 Press the Start button on your scanner.

3 Click the Scan and Save icon. A progress meter appears on the screen and your document is automatically scanned.

4 After your document is scanned, the Verify Assistant dialog box opens. Click Next to continue.

5 You see the following screen. Select a location and file type for your scanned image, then click Save.

6 If you need to insert or remove the cover, insert the hinges on the cover into the square holes at the back of the scanner. (Make sure the cable on the Perfection 1670 Photo does not get caught under the scanner cover.) Close the cover.

Note: If you need to insert or remove the cover, insert the hinges on the cover into the square holes at the back of the scanner. (Make sure the cable on the Perfection 1670 Photo does not get caught under the scanner cover.) Close the cover.

Note: If you need to insert or remove the cover, insert the hinges on the cover into the square holes at the back of the scanner. (Make sure the cable on the Perfection 1670 Photo does not get caught under the scanner cover.) Close the cover.

Note: If you need to insert or remove the cover, insert the hinges on the cover into the square holes at the back of the scanner. (Make sure the cable on the Perfection 1670 Photo does not get caught under the scanner cover.) Close the cover.

Note: If you need to insert or remove the cover, insert the hinges on the cover into the square holes at the back of the scanner. (Make sure the cable on the Perfection 1670 Photo does not get caught under the scanner cover.) Close the cover.
Using the Scanner Buttons

Scan to Web: Scan your photos to a free photo-sharing website
1. If you use AOL® to the Internet, log on first.
2. Press the button on the scanner.
3. Follow the on-screen instructions.

Scan to E-mail: Attach your photo to an e-mail
1. Press the button on the scanner.
2. Press the button on the scanner.
3. Select your e-mail program and click Launch (AOL is not supported).
4. Enter the address where you want to send the photo, type in a message, and click Send.

Copy: Scan and automatically print a document—just like a copier
1. Make sure your printer is turned on.
2. Press the button on the scanner.

Start: Automatically scan your file and open Smart Panel or a Smart Panel Application

Placing Film on the Scanner

The Perfection 1670 Photo scanner has a built-in transparency unit (TUI). To scan film strips or slides, you’ll need to remove the reflective document mat from the cover and place the film in a holder on the scanner glass.

1. Make sure the transparency unit cable is connected to the option connector (see step 3 in “Connect the Scanner”).
2. Lift the scanner cover all the way up and slide the reflective document mat up and off the scanner cover.
3. Place the film in the film holder, with the film’s shiny side facing down.
4. Place the film holder in the correct position for your film type. Be sure to match the letter on the film holder tab with the corresponding letter on the scanner.
5. Replace the document mat.

Storing the Film Holder

When you’ve finished scanning, you can store the film holder in the scanner cover.

1. Lift the cover and remove the document mat.

Problems?

First, check the Start button light on the scanner.

Flash: green
Warning up or scanning.

Green
Ready to scan.

Red
Make sure the transportation lock is unlocked (see section 3).
Try resetting your computer and unplugging the scanner. Wait 10 seconds, then plug the scanner back in.
If the red light is still flashing, contact your dealer or EPSON.

Off
Make sure your scanner is connected to your computer and plugged into a power source.

If your problem is listed here, try these suggestions.

The New Hardware Wizard appears on your screen.
Click Cancel and follow the steps in “Install the Software” on the other side of this sheet. Disconnect the scanner before installing the software.

The scanner makes a grinding noise when it is plugged into a power source.
Make sure the transportation lock is unlocked (see section 3).

You see an error message when you try to scan or the scanner doesn’t scan.
Make sure your scanner is connected to your computer and plugged into a power source.
Uninstall and reinstall EPSON Scan.

Here’s where to look for more answers:
• Double-click the Perfection 1670 Reference Guide icon on your desktop. (If you didn’t install it, insert the scanner software CD-ROM in the CD-ROM or DVD drive. At the Custom Installation screen, select Scanner Reference Guide, then click Install.)
• On-screen Help for Smart Panel and EPSON Scan: Click the Help button or question mark that appears on the screen when you’re using these programs.

Safety Instructions

Read all instructions and save for future reference. Follow all warnings and instructions marked on the scanner.
Caution: Be sure the AC power cord meets the relevant local safety standards.
Place the scanner close enough to the computer to interface reliably. Do not place or store the scanner or the AC adapter outdoors, near0 sources of heat, dust, water, heat sources, or toner/ink. Subject to shock/vibration, temperature changes, direct sunlight, strong light sources, or rapid changes in temperature or humidity. Do not use with wet hands.
Place the scanner and the AC adapter near an electrical outlet where the power cord can be easily unplugged.
Power supply cords should be placed to avoid abrasion, cut, fraying, stranding, and kinking. Do not place objects on top of power-supply cords and do not allow the AC adapter or power-supply cords to be stepped on or run over. Be particularly careful to keep power-supply cords straight at the ends and the points where they enter and leave the AC adapter.
Use only the AC adapter model A2H1E or A1818 that comes with your scanner. Using any other AC adapter could cause fire, electrical shock, or injury.
The AC adapter is designed to use with the scanner for which it was included. Do not attempt to use with other electronic devices unless specified.
Use only the type of power source indicated on the AC adapter’s label, and always supply power directly from a standard domestic electrical outlet with the AC power cord that meets the relevant local safety standards.
Avoid using outlets on the same circuit as photocopiers or all control systems that regularly switch on and off.
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 cord’s ampere rating. Also, make sure the total ampere rating of all devices plugged into the electrical outlet does not exceed the electrical outlet’s ampere rating. Do not plug multiple loads into the electrical outlet.
Never disassemble, modify, or attempt to repair the AC adapter, power cord, scanner, and option by anyone except as specifically explained in the scanner’s guide.
Do not insert objects into any openings as they may cause dangerous voltages or short out parts. Beware of electrical shock hazards.
Unlock the scanner and the AC adapter, and resting service or qualified service personnel under the following conditions:
The plug or plug cord has been damaged; the scanner or the AC adapter has been dropped or the case damaged; the power cord or the AC adapter does not operate normally or emits a distinctive change in performance. Do not adjust controls that are not covered by the operating instructions.
Unlock the scanner and the AC adapter before cleaning. Clean with a damp cloth only. Do not use liquid or aerosol cleaners.
If you are not going to use the scanner for a long period, be sure to unplug the AC adapter from the electrical outlet.
For US and Canadian users: To reduce the risk of fire, use only the included power cord or a 6 to 10 foot long approved type SPT-2 or heavier, 2 x 18 AWG cord with a 125 V 10 A plug and 125 V 7 A connector.
If you have to fit a plug:
As the colours of the mains lead of the appliance may not match the coloured markings used to identify the terminals in a plug, please observe the following:
The brown wire must be connected to the terminal in the plug marked with the letter L. If damage occurs to the plug, replace the cord set or consult a qualified electrician.
The blue wire must be connected to the terminal in the plug marked with the letter N. If damage occurs to the plug, replace the cord set or consult a qualified electrician.
The wires in the mains lead fitted to this appliance are coloured in accordance with the following:
The brown wire corresponds to the supply voltage.
The blue wire corresponds to the neutral (current) conductor.
The green wire corresponds to the protective (earth) conductor.
For United Kingdom, Singapore, and Hong Kong users: Replace fuses only with those of the correct size and rating.
For United Kingdom users: The following safety information applies to the AC adapter.
Warning: Refer to the rating plate for the voltage and check that the appliance voltage corresponds to your supply voltage.
Important: The area is the mains lead fitted to this appliance are coloured in accordance with the following:
The brown wire is Live.
The blue wire is Neutral.
The green wire is Earth.
If you have to fit a plug:
As the coloured main/lead of the appliance may not match the coloured markings used to identify the terminals in a plug, please observe the following:
The blue wire must be connected to the terminal in the plug marked with the letter N.
The brown wire must be connected to the terminal in the plug marked with the letter L.
If damage occurs to the plug, replace the cord set or consult a qualified electrician.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission of SEIKO EPSON CORPORATION. The information contained herein is not designed to be a substitute for any professional or medical diagnosis, advice, or treatment. EPSON disclaims any and all rights in those marks. EPSON is a registered trademark of SEIKO EPSON CORPORATION. Perfection and Smart Panel are trademarks of EPSON America, Inc. Microsoft, Windows, and Windows NT are registered trademarks of Microsoft Corporation. Macintosh is a registered trademark of Apple Computer, Inc. SafeNet® is a registered trademark of SafeNet, Inc.