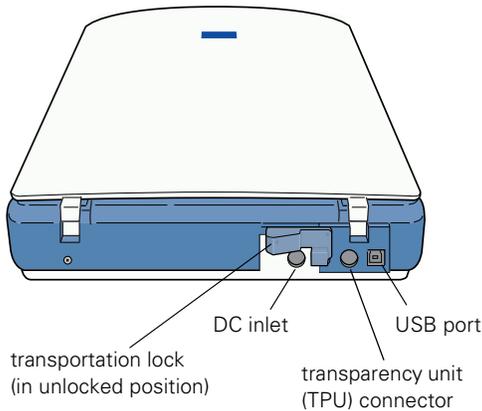
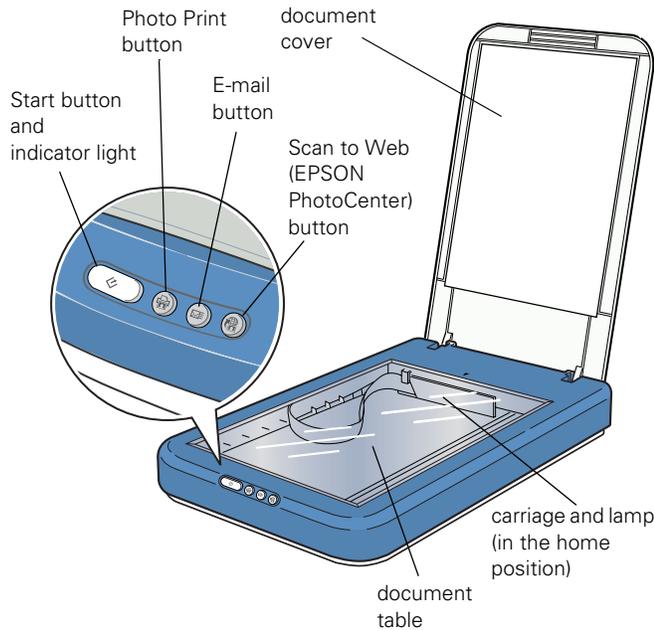
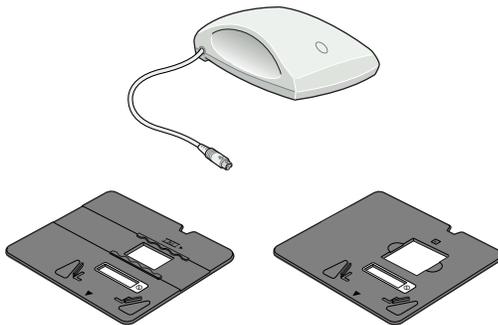


Scanner Parts



The EPSON Perfection 1250 PHOTO includes a transparency unit, a 35 mm film holder, and a 35 mm slide holder:



Scanner Specifications

Basic Specifications

Scanner type	Flatbed, color
Photoelectric device	Color CCD line sensor
Effective pixels	10,200 × 14,040 pixels at 1200 dpi, 100% scaling
Maximum document size	US letter or A4 size (8.5 × 11.7 inches [216 × 297 mm])
Optical resolution	1200 dpi
Maximum (sub scan) resolution*	1200 dpi (main scan) × 2400 dpi hardware

* The maximum hardware resolution of 1200 × 2400 dpi is achieved using EPSON's Micro Step Drive™ technology.

Maximum interpolated resolution	9600 dpi
Output resolution	50 to 9600 dpi (50 to 4800 dpi in 1 dpi increments, 7200 dpi, and 9600 dpi)
Speed (1200 dpi, draft mode)	Color: 36 msec/line Grayscale: 12 msec/line
Command level	ESC/I-B8
Zoom	50 to 200% in 1% increments
Pixel depth	16 bits per pixel
Brightness	7 levels
Line art settings	Fixed threshold (available in EPSON TWAIN)
Gamma correction	1 type for user-defined (available in EPSON TWAIN)
Color correction	1 type for user-defined (available in EPSON TWAIN)
Interface	USB (Type B receptacle connector)
Light source	White cold cathode fluorescent lamp
Reliability	10,000 cycles of carriage movements (main unit MCBF)
Dimensions	Width: 10.9 inches (27.8 cm) Depth: 17.2 inches (43.8 cm) Height: 2.6 inches (6.7 cm)
Weight	Approx. 5.5 lb (2.5 kg)

EPSON Perfection 1250/1250 PHOTO

Electrical

Input voltage range	DC 15.2 V
Rated input current	1.2 A
Power consumption	Approx. 18 W (same with or without TPU) approx. 5 W in power-saving mode
Note:	Check the label on the back of the scanner for voltage information.

Environmental

Temperature	Operation: 41 to 95 °F (5 to 35 °C) Storage: -13 to 140 °F (-25 to 60 °C)
Humidity (without condensation)	Operation: 10% to 80% Storage: 10% to 85%
Operating conditions	Ordinary office or home conditions; avoid extreme dust, direct sunlight, and strong light sources.

Safety Approvals

Safety Standards

120 V model	UL 1950 CSA C22.2 No. 950 EMC FCC part 15 subpart B class B CSA C108.8 class B
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USB Interface

Interface type	Universal Serial Bus Specification Revision 1.1
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Configuration

Element	Description
Configuration	Characteristics: Self-powered Remote wake up feature: Not supported Maximum power consumption from VBUS: 2mA (5V)
Interface	No alternate setting Class: Vendor specific
Endpoint 1	Bulk IN transfer Maximum data transfer size: 64 bytes
Endpoint 2	Bulk OUT transfer Maximum data transfer size: 64 bytes
String Descriptor	Language ID: US English 1: Manufacturer: "EPSON" 2: Product: "EPSON Scanner 010F"

Electrical standard Full Speed mode (12Mbit/s) of Universal Serial Bus Specification Revision 1.1

Connector type One receptacle (Type B)

Connector pin arrangement

Pin number	Signal	Connector
1	VCC	
2	-DATA	
3	+DATA	
4	GND	

Initialization methods The scanner can be initialized (returned to a fixed set of conditions) in the following ways:

Hardware initialization	The USB cable is unplugged, then plugged into the USB port on the scanner.
Software initialization	<input type="checkbox"/> Software sends the ESC @ (initialize the scanner) command. <input type="checkbox"/> The scanner receives a Bus Reset from the USB interface.

AC Adapter Specifications

Basic Specifications

Dimensions 2.3 × 4.3 × 3.4 inches
(5.8 × 10.8 × 3.4 cm)

Electrical

Rated input voltage	100 to 120 V ±15%
Rated input current	0.4 A (input AC 100)
Rated output voltage	DC 15.2 V
Rated output current	1.2 A
Rated frequency	50 to 60 Hz
Input frequency range	50 to 60 Hz ±3 Hz

Safety Approvals

Safety standards	UL 1950 UL 1310 CSA C22.2 No. 950
EMC	FCC part 15 subpart B class B CSA C108.8 class B

Transparency Unit Specifications

The transparency unit (part number B12B813321), also called a film adapter, allows you to scan positive and negative transparent materials such as 35 mm slides and 35 mm film.



The transparency unit is included with the EPSON Perfection 1250 PHOTO. It can be purchased as an option for the EPSON Perfection 1250.

Dimensions	Width: 3.5 inches (88 mm) Depth: 5.7 inches (145 mm) Height: 2.2 inches (56 mm)
Weight	0.4 lb (170 g)
Maximum readable area	1.4 × 1.4 inches (36 × 36 mm)
Electrical	Supply voltage: DC 15.2 V Rated current: 0.3 A
Reliability	10,000 hours for light source
Temperature	Operation: 41 to 95 °F (5 to 35 °C) Storage: -13 to 140 °F (-25 to 60 °C)
Humidity (without condensation)	Operation: 10% to 80% Storage: 10% to 85%
Operating conditions	Ordinary office or home conditions; avoid extreme dust, direct sunlight, and strong light sources.
Document specifications	35 mm film strip (negative, positive) 35 mm slides (negative, positive)
Safety approvals	This product conforms to CE marking requirements in accordance with EC Directive 89/336/EEC.

Scanner Buttons

The scanner's buttons let you perform one-touch scanning with EPSON Smart Panel™. The buttons are described below:

	Press the Start button on the scanner to start EPSON Smart Panel (default).
	Press the Photo Print button to automatically scan and print a photo.
	Press the E-Mail button to scan your image and send it as an e-mail attachment.
	Press the Scan to Web button to scan an image and upload it to the EPSON photo-sharing site, EPSON PhotoCenter SM

Using EPSON Smart Panel

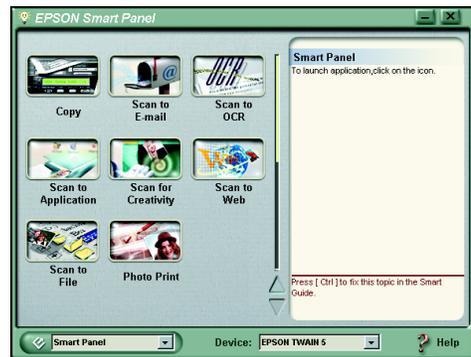
Follow these steps to use EPSON Smart Panel to scan documents or photos:

1. Place the original document(s) face down on the document table.
2. Do one of the following to open the Smart Panel:
 - Press the Start button on your scanner.
 - Click the Smart Panel icon on the desktop.
 - On a Macintosh®, you can also open the Apple® menu and select EPSON SMART PANEL.



The Start button is set to open EPSON Smart Panel by default. However, you can assign the Start button to automatically open any of the Smart Panel applications.

3. Click the icon for your desired scanning application. The window for that option appears and lets you adjust settings for your scan. Follow the on-screen steps for each option.



Keep the following in mind when using Smart Panel:

- If you select Copy or Photo Print, make sure your printer is turned on and the correct paper type and size is loaded in your printer.
- Scan to E-mail requires a MAPI-compliant e-mail program (AOL is not MAPI compliant).

For instructions on using each of the Smart Panel applications, see the electronic manual for EPSON Smart Panel.

Selecting TWAIN Settings

The illustration to the right shows the different settings you can adjust in the EPSON TWAIN window, and the preferred order you should adjust them in. Detailed descriptions are given in the electronic *Reference Guide*. Manually adjust settings in the EPSON TWAIN window in the following order:



TIP The most important thing to remember when scanning is to select the correct image type and best resolution for your scan. For more detailed information on making settings in EPSON TWAIN, see the electronic *Reference Guide*.

The screenshot shows the EPSON TWAIN 5 window with the following settings and callouts:

- 1** Select the basic settings: Document Source, Image Type, Destination, Resolution
- 2** Preview your image
- 3** Automatically set the scan area for your image using Auto Locate
- 4** Size or scale the image
- 5** Customize your settings and configuration, and use color management
- 6** Scan the image into your application
- 7** Close the EPSON TWAIN window

Scanner Light

The scanner has one indicator light. (The indicator light is part of the Start button.)

The light indicates the status of the scanner, as described below.

Light	Color	Status
On	Green	The scanner is ready to scan images.
Flashing	Green	The scanner is initializing or is busy scanning.
On	Red	The scanner may not be properly connected to the computer. Unplug the scanner from its power source, remove the USB cable, and then plug them back in. If this does not eliminate the error, one of the following may be the problem and you need to consult your dealer or EPSON: <ul style="list-style-type: none"> <input type="checkbox"/> The fluorescent lamp needs to be replaced. <input type="checkbox"/> The scanner is malfunctioning.
Off	—	The scanner or AC adapter is unplugged.

Related Documentation

- CPD-12466 EPSON Perfection 1250/1650 *Start Here* poster
- CPD-12467 EPSON Perfection 1250/1650 *Scanner Basics*
- CPD-12468 EPSON Perfection 1250/1650 scanner software CD-ROM
- *Reference Guide* (HTML)
- EPSON Smart Panel *User's Manual* (HTML)
- TM-PERF1250 EPSON Perfection 1250 Service Manual
- PL-PERF1250 EPSON Perfection 1250 Parts List
- PL-PHOTO1250 EPSON Perfection 1250 PHOTO Parts List