

EPSON® USB/Parallel Adapter User's Guide

EPSON Stylus® COLOR 440

EPSON Stylus COLOR 600

EPSON Stylus COLOR 640

EPSON Stylus COLOR 660

EPSON Stylus COLOR 800

EPSON Stylus COLOR 850

EPSON Stylus COLOR 1520

EPSON Stylus COLOR 3000

EPSON Stylus Photo 700

EPSON Stylus Photo EX

EPSON Stylus Pro 5000

EPSON Stylus Pro 9000

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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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Introduction

The EPSON USB/Parallel Adapter Kit lets you use smart cable technology to connect your EPSON printer to an Apple® iMac,™ Power Macintosh® G3, or Microsoft® Windows® 98 computer. It supports the following printers:

- ▶ EPSON Stylus COLOR 440
- ▶ EPSON Stylus COLOR 600
- ▶ EPSON Stylus COLOR 640
- ▶ EPSON Stylus COLOR 660
- ▶ EPSON Stylus COLOR 800
- ▶ EPSON Stylus COLOR 850
- ▶ EPSON Stylus COLOR 1520
- ▶ EPSON Stylus COLOR 3000
- ▶ EPSON Stylus Photo 700
- ▶ EPSON Stylus Photo EX
- ▶ EPSON Stylus Pro 5000*
- ▶ EPSON Stylus Pro 9000*

** The software in this kit supports these two printers for Windows 98 only. To connect one of them to an iMac or G3 using your EPSON USB/Parallel Adapter, you have to install the software that came with your printer. See your printer's setup instructions.*

To install the EPSON USB/Parallel Adapter, turn to one of these sections:

- ▶ “Getting Started on a Macintosh” on page 2
- ▶ “Getting Started on a Windows 98 System” on page 11

If you have any problems installing the cable or software, contact your EPSON dealer or EPSON technical support as described in the Where to Get Help section of your printer documentation.

Getting Started on a Macintosh

The instructions on the next few pages explain how to connect the USB/Parallel Adapter cable to your iMac or G3 and how to install the printer software that came on the USB Printer Software CD-ROM.

IMPORTANT:

To connect an EPSON Stylus Pro 5000 or 9000 to your Macintosh using the adapter, install the software that came with your printer instead of the software included in this kit. See your printer's setup instructions.

For all other printers, you must use the USB Printer Software CD-ROM included in this kit. Follow the instructions below.

Setting Up the Computer

If you have an iMac, you may need to update your system before installing the EPSON USB/Parallel Adapter.

- ▶ If your iMac is running OS 8.1, you must install Apple's iMac Update 1.0.
- ▶ If your iMac is running OS 8.5 or 8.5.1, Apple recommends that you install iMac Update 1.1.

Download the update for your system at <http://swupdates.info.apple.com>. Contact Apple if you have problems installing the update.

To find out which operating system your iMac is running, select **About This Computer** in the Apple menu.

Setting Up the Printer

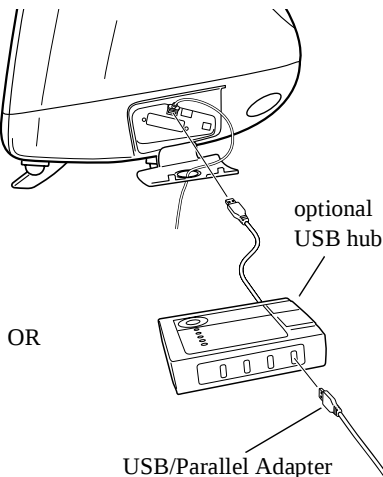
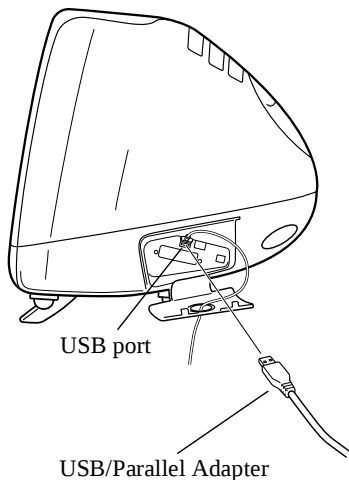
If you've been using your EPSON printer with your computer, the printer is probably set up already. If so, turn off your system and disconnect the printer from the computer. Then go to "Connecting the Cable" below to attach the USB/Parallel Adapter cable to your system.

If you're setting up a new printer, see the documentation that came with your printer for instructions on unpacking it, installing ink cartridges, and loading paper. Then return to this booklet for instructions on connecting the cable and installing your printer software.

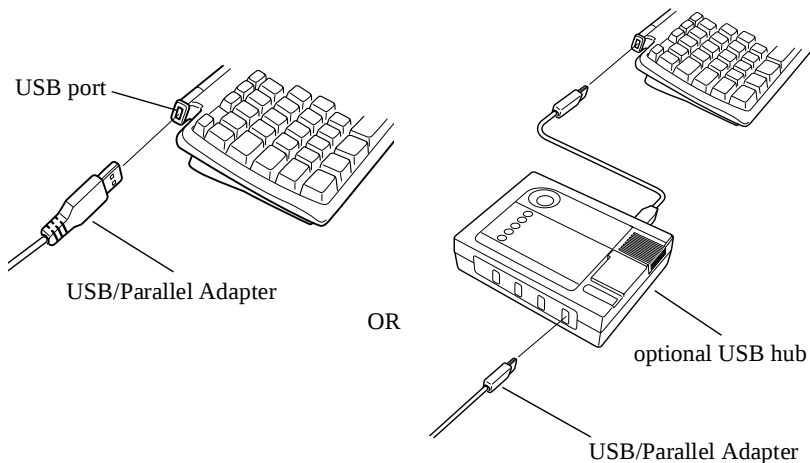
Connecting the Cable

You can connect the USB/Parallel Adapter directly to a USB port on your Macintosh or to a USB hub connected to a port on the Macintosh. If you have any printing problems when the printer is connected via a USB hub, try connecting the printer directly to a USB port on the computer instead.

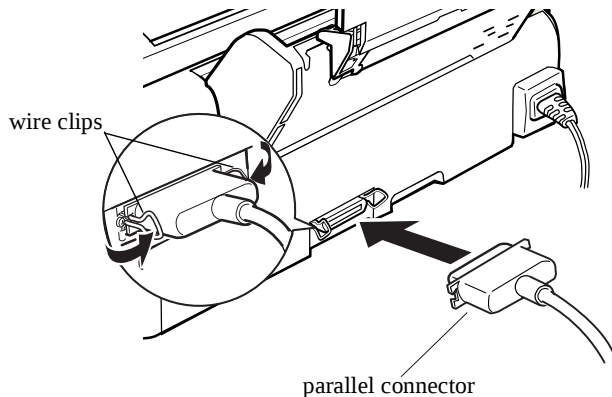
- 1 Connect the adapter to an available USB port on the side of your iMac as shown, or to a USB port on the back of your G3. If you're using a USB hub, plug it into an available USB port on your iMac or G3, then plug the adapter into a USB port on the hub. If you have more than one hub, connect the adapter to the first hub.



You can also connect the adapter to one of the USB ports on your Macintosh keyboard. If you're using a USB hub, plug it into the USB port on the keyboard, then plug the adapter into a USB port on the hub. If you have more than one hub, connect the adapter to the first hub.



- 2 Connect the adapter's parallel connector to the parallel port on the back of the printer, then secure it with the wire clips.



Follow the instructions in the next section to install the printer software from the USB Printer Software CD-ROM.

Installing the USB Printer Software

Follow these steps to install the USB printer driver software:

- 1 Make sure your printer and computer are connected and turned off.
- 2 Make sure your USB hub is powered on (if you're using one). Turn on your computer and wait until you see the desktop icons. Then turn on your EPSON printer.
- 3 Insert the USB Printer Software CD-ROM.
- 4 Wait for the EPSON window to appear, then double-click your printer's folder to open it.
- 5 Double-click the **Installer** icon for your printer, then click **Continue**.
- 6 Click **Install** and follow the on-screen instructions to install the printer driver and utilities, and select a default paper size if asked.
- 7 After installation is complete, click **Restart** to restart your Macintosh.
- 8 After your Macintosh restarts, open the Chooser from the Apple menu.

- 9 Click the printer icon for your printer. Printer icons are labeled as follows:

SC 440	EPSON Stylus COLOR 440
SC 600	EPSON Stylus COLOR 600
SC 640	EPSON Stylus COLOR 640
SC 660	EPSON Stylus COLOR 660
SC 800	EPSON Stylus COLOR 800
SC 850	EPSON Stylus COLOR 850
SC 1520	EPSON Stylus COLOR 1520
SC 3000	EPSON Stylus COLOR 3000
SP 700	EPSON Stylus Photo 700
SP EX	EPSON Stylus Photo EX

If you don't see your printer icon in the Chooser, make sure your cable connections are secure and your printer is turned on.

- 10 Click the **USB Port** icon (if you've connected more than one printer of the same model, the port is numbered).
- 11 Turn on background printing if you want, then close the Chooser.

Note:

The printer software you just installed may include a utility called Monitor3. This is an upgraded version of Monitor2 and may differ slightly from the printer software documented in your user's guide.

If you have an EPSON Stylus COLOR 440 or EPSON Stylus COLOR 640, you'll find additional information about your printer software in the Printer Software Guide for Macintosh located in the Manual directory on your USB Printer Software CD-ROM. View it using Adobe® Acrobat® Reader 3.01 or later. (If you don't have Acrobat Reader on your computer, you can install it using the Acrobat Reader Installer on your USB Printer Software CD-ROM.)

Continue on to the next section to install any creative software that came with your printer, or to view your printer's electronic manual, if it has one.

Installing Your Creative Software and Electronic Manual

If you've been using your EPSON printer with your computer, you've probably already installed your creative software and electronic manual, if your printer came with them. Otherwise, check your printer's setup instructions to find out about any software that came with your printer, and follow those instructions to install it. (The setup instructions may be called *Start Here*, *Getting Started*, or *Quick Setup*.)

Caution:

Don't double-click your printer software's installer icon, even if you see a message telling you to do so, or you'll install it over the USB printer software. If you see a screen like the following, you've double-clicked the wrong icon.



Click **Continue** and then click **Quit** to cancel the installation.

Getting Started on a Windows 98 System

The instructions on the next few pages explain how to connect the USB/Parallel Adapter cable to your Windows 98 system and how to install the printer software that came on the USB Printer Software CD-ROM.

IMPORTANT:

The printer software that came with your printer won't work with your USB/Parallel Adapter. You must use the USB Printer Software CD-ROM included in this kit.

If you've already installed your printer software on your system, you'll have to remove it as described in the next section.

Setting Up the Computer

If you've been using your EPSON printer with your computer, then you've already installed your printer driver on your system. You must remove the old printer driver and its INF file as described below before you can install the new USB printer driver.

Note:

*Once you've installed the USB printer software, you can still print to your printer through the parallel port, if you want. Reconnect the parallel cable to your printer, and click **Start**, then **Settings**, then **Printers**. Right-click your printer icon and select **Properties**. Under "Print to the following port" on the Details tab, select **LPT1** and click **OK**. Then restart your system.*

Removing the INF File

- 1 Click **Start**, point to **Programs**, and select **Windows Explorer**.
- 2 Open the Windows folder. If you see an Inf folder, go to step 5. Otherwise, continue with step 3.
- 3 From the Windows Explorer View menu, select **Folder Options**. The Folder Options dialog box opens.
- 4 Click the View tab. Under Hidden files, select **Show all files**. Click **Apply** to save the setting, then click **OK** to close the Folder Options dialog box.

- 5 Open the Inf folder, then open the folder labeled Other. Locate and select the INF file corresponding to the printer driver you're removing:

EPSON Stylus COLOR 440	EPSONEPPIIFE3P.INF
EPSON Stylus COLOR 600	EPSONEPS600.INF
EPSON Stylus COLOR 640	EPSONEPPIIFE3O.INF
EPSON Stylus COLOR 660	EPSONEPPIIFE4A.INF
EPSON Stylus COLOR 800	EPSONEPS800.INF
EPSON Stylus COLOR 850	EPSONEPPIIFE2M.INF
EPSON Stylus COLOR 1520	EPSONEPS152.INF
EPSON Stylus COLOR 3000	EPSONEPS3K.INF
EPSON Stylus Photo 700	EPSONEPPIIFE3K.INF
EPSON Stylus Photo EX	EPSONEPPIIFE2J.INF
EPSON Stylus Pro 5000	EPSONEPPIIFE2H.INF
EPSON Stylus Pro 9000	EPSONJIFE3A.INF

- 6 Click **Delete** to delete the old printer driver's INF file.
- 7 Close Windows Explorer.

Removing the Printer Driver

Follow the steps below to remove the old printer driver:

- 1 Click **Start**, point to **Settings**, then click **Control Panel**.
- 2 Double-click **Add/Remove Programs**.
- 3 Select **EPSON Printer Software** in the program list.
- 4 Click the **Add/Remove** button. Follow the instructions on screen to uninstall your software.
- 5 If EPSON Status Monitor 2 is installed, you'll need to uninstall it too. First, right-click the  icon in the bottom-right corner of the taskbar and select **Stop monitoring now** to turn off background monitoring. Then follow steps 3 and 4 again. In step 3, select **EPSON Status Monitor 2** in the program list to uninstall it.

Note:

*If the Status Monitor doesn't uninstall, hold down **Ctrl** and **Alt** and press **Delete**. In the Close Program window, select **Ebr** and click **End Task**. Then try uninstalling the Status Monitor again.*

- 6 If you've previously installed your EPSON printer using the USB/Parallel Adapter, you'll need to uninstall the USB driver software too. Follow steps 3 and 4 again. In step 3, select **EPSON USB Printer Devices** (or **EPSON USB Conversion Devices**) in the list. When you see the Confirm Reboot screen asking if you want to reboot your computer, select **No**.

- 7 Close the Add/Remove Programs Properties window, close the Control Panel, and then shut down the computer.

Setting Up the Printer

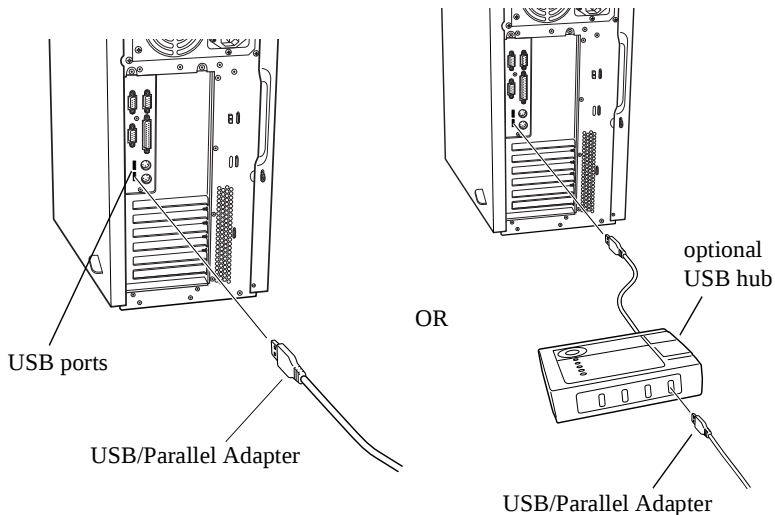
If you've been using your EPSON printer with your computer, the printer is probably set up already. If so, make sure your system is turned off and disconnect the printer from the computer. Also, make sure the printer software has been deleted, as described above. Then go to "Connecting the Cable" in the next section to attach the cable to your system.

If you're setting up a new printer, see the documentation that came with your printer for instructions on unpacking it, installing ink cartridges, and loading paper. Then return to this booklet for instructions on connecting the cable and installing your printer software.

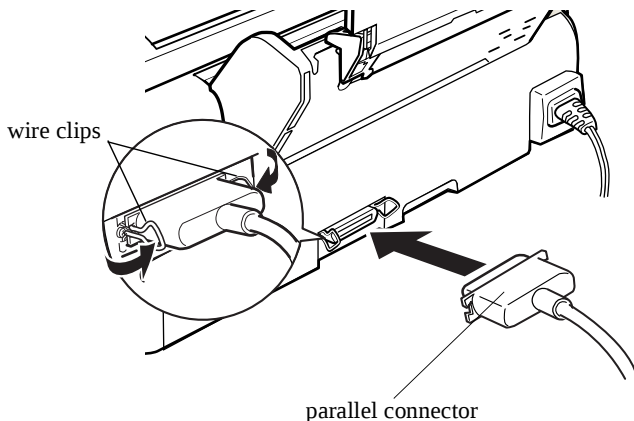
Connecting the Cable

You can connect the USB/Parallel Adapter directly to a USB port on your computer, or you can connect it to a USB hub connected to a port on your computer. If you have any printing problems when the printer is connected via a USB hub, try connecting your printer directly to the USB port on the computer instead.

- 1 Connect the adapter to an available USB port on the back of your computer, as shown below. If you're using a USB hub, plug it into an available USB port on your computer, then plug the adapter into a USB port on the hub. If you have more than one hub, plug the adapter into the first hub.



- 2 Connect the adapter's parallel connector to the parallel port on the back of the printer, then secure it with the wire clips.



Follow the instructions in the next section to install the USB printer software.

Installing the USB Printer Software

Follow these steps to install the USB printer driver software:

- 1 Make sure your printer and computer are connected and turned off.
- 2 Make sure your USB hub is powered on (if you're using one). Then turn on your computer and printer, and wait until you see the Add New Hardware Wizard screen.
- 3 Insert the USB Printer Software CD-ROM in your CD-ROM drive.
- 4 Click **Next**. At the next screen, select **Search for the best driver for your device** and click **Next**.

- 5 Select **Specify a location**, then click **Browse** to locate the USB printer software. The software is located in your printer's folder on the EPSON CD-ROM.



- 6 Click **Next**. The Add New Hardware Wizard finds the EPSON USB/Parallel Printer Adapter software.
- 7 Click **Next**. The Add New Hardware Wizard copies the driver files to your hard drive and finishes installing the software.



- 8 At the final screen, click **Finish**.

Windows 98 detects your printer and displays a screen similar to the following:



- 9 Click **Next** to install your printer driver. At the next screen, select **Search for the best driver for your device** and click **Next**.

- 10 Make sure your printer's folder is selected under **Specify a location**. Then click **Next** and follow the on-screen instructions to install your printer driver and the Status Monitor 2 utility, if your printer uses it.

Note:

If you're setting up an EPSON Stylus Pro 5000 or 9000 and Status Monitor 2 does not install automatically, double-click the



My Computer icon on your desktop. Then double-click the



*EPSON CD-ROM icon and open the **Stm2** folder. Double-click **Stmsetup.exe**.*

- 11 When setup is complete, remove the CD-ROM, select **Yes, I want to restart my computer now**, and click **Finish**.

If you installed printer software for the EPSON Stylus COLOR 600, EPSON Stylus COLOR 800, EPSON Stylus Color 1520, or EPSON Stylus COLOR 3000, you need to set up your system to use Windows Print Manager as described in the next section.

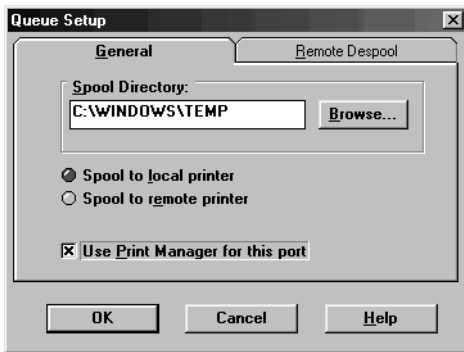
Otherwise, continue with "Checking Your Installation" on page 24.

Enabling Windows Print Manager

The EPSON Stylus COLOR 600, EPSON Stylus COLOR 800, EPSON Stylus Color 1520, and EPSON Stylus COLOR 3000 printers require your system to use Windows Print Manager when using the USB/Parallel Adapter.

Follow these steps to enable Windows Print Manager:

- 1 Click **Start**, point to **Programs**, **Epson**, and select **Spool Manager4**.
- 2 In the EPSON Spool Manager window, select the icon for your printer.
- 3 From the **Queue** menu, select **Setup**. The Queue Setup dialog box appears.
- 4 Select **Use Print Manager**, then click **OK** to close the Queue Setup dialog box.



- 5 Close the Spool Manager window.
Continue on to the next section to check your installation.

Checking Your Installation

To verify that your printer software installed properly, open an application and try printing to your printer. If the printer doesn't work correctly, fully uninstall your printer software as described in "Setting Up the Computer" on page 12 of this guide. Then reinstall the USB printer software as described in "Installing the USB Printer Software" on page 18.

If you still have problems, contact your EPSON dealer or EPSON technical support as described in the Where to Get Help section of your printer documentation.

Note:

The printer software you just installed may differ slightly from the printer software documented in your user's manual. If you set up an EPSON Stylus COLOR 600, EPSON Stylus COLOR 800, EPSON Stylus COLOR 1520, or EPSON Stylus COLOR 3000, your printer software does not include the Status Monitor utility.

Continue on to the next section to install any creative software that came with your printer, or to view your printer's electronic manual, if it has one.

Installing Your Creative Software and Electronic Manual

If you've been using your EPSON printer with your computer, you've probably already installed your creative software and electronic manual, if your printer came with them. Otherwise, check your printer's setup instructions to find out about any software that came with your printer. (The setup instructions may be called *Start Here*, *Getting Started*, or *Quick Setup*.) Follow these steps to install your software:

- 1 Follow the setup instructions to begin installation of your printer software. When you see a screen similar to the following, click **Cancel** to cancel the printer driver installation.



Caution:

The installation programs for the EPSON Stylus Photo EX and EPSON Stylus Photo 700 install the creative software before they prompt you to install the printer driver software. Be sure to cancel the printer driver software installation whenever you see the screen shown on the previous page. If you don't, you'll install the old printer driver over the USB printer driver.

- 2 Follow the instructions on screen to finish installing your creative software or view your printer's electronic manual. See your printer's setup documentation for details.

Appendix

USB/Parallel Adapter Specifications

USB connector:	USB series A; compliant with USB Specification Revision 1.0	
Parallel connector:	IEEE-1284-B (bidirectional); Compatibility, Nibble, and ECP mode supported	
Cable:	2-meter, 5-conductor, insulated, shielded, USB compliant	
Temperature:	Operating:	32 to 158 °F (0 to 70 °C)
	Non-operating:	–4 to 212 °F (–20 to 100 °C)
	Storage:	–67 to 257 °F (–55 to 125 °C)
Operating humidity:	10 to 80% relative humidity, no condensation	
Input voltage:	4.40 to 5.25 V	
Current consumption:	During operation:	38 mA
	During suspend mode:	550 µA
Weight:	5 ounces (140 grams)	

System Requirements

Macintosh

Computer:	Apple iMac or USB-ready Power Macintosh G3
Operating system:	Macintosh OS 8.5 or later, or Macintosh OS 8.1 with iMac Update 1.0 or later
Memory:	32MB of RAM
Storage:	At least 50MB of free hard disk space for storing images (100MB or more recommended)
Display:	13-inch RGB display or better
CD-ROM drive:	Double-speed CD-ROM drive (quad-speed or faster recommended) for installing the printer software
Printer cable:	EPSON USB/Parallel Adapter cable

Windows

Computer:	An IBM® compatible PC with at least a 486/66 MHz processor (Pentium® processor recommended) with USB port built in
Operating system:	Windows 98
Memory:	At least 16MB of RAM (32MB recommended)
Storage:	At least 50MB of free hard disk space for storing images (100MB recommended)
Display:	VGA, Super VGA, or better display adapter and monitor
CD-ROM drive:	Double-speed CD-ROM drive (quad-speed or faster recommended) for installing the printer software
Printer cable:	EPSON USB/Parallel Adapter cable