

# **EPSON® USB/Parallel Adapter User's Guide**

**for the EPSON Stylus COLOR 440,  
EPSON Stylus COLOR 640,  
EPSON Stylus COLOR 600  
and EPSON Stylus Photo EX**

**IMPORTANT:** To use the USB/Parallel Adapter with your Apple® iMac™, you must download and install the iMac Update 1.0 from Apple at <http://swupdates.info.apple.com>.

CPD 7424

EPSON and EPSON Stylus are registered trademarks of SEIKO EPSON CORPORATION.

General Notice: Other product names used herein are for identification purposes only and may be trademarks of their respective owners. EPSON disclaims any and all rights in those marks.

Copyright © 1998 by Epson America, Inc.

9/98

## **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.

## **Contents**

Introduction	7
Setting Up the Printer	8
Getting Started on an iMac	8
Connecting the Cable	10
Installing the Printer Software	13
Getting Started on a Windows 98 System	15
Connecting the Cable	16
Installing the Printer Software	19
Setting Up Your System to Print to the EPSON Stylus COLOR 600	27
Appendix A: Using Monitor3 with Your iMac	29
Setting Up Monitor3	29
Monitoring Print Jobs with Monitor3	30
Appendix B: Specifications	33
USB/Parallel Adapter Specifications	33
System Requirements	34



## **Introduction**

The EPSON USB/Parallel Adapter allows you to use smart cable technology to connect your EPSON printer to your Apple iMac or Windows<sup>®</sup> 98 computer. It supports the following printers: EPSON Stylus<sup>®</sup> COLOR 600, EPSON Stylus COLOR 440, EPSON Stylus COLOR 640, and EPSON Stylus Photo EX.

To use the EPSON USB/Parallel Adapter with your computer and EPSON printer, you'll need to:

- ▶ Install iMac Update 1.0 if you have an iMac
- ▶ Set up the printer
- ▶ Connect the cable
- ▶ Install the printer software

If you have any problems with the instructions in this guide, see the Where to Get Help section in your printer user's guide.

## 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 it off and disconnect it from the previous computer. Then go to the section explaining how to connect 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, installing ink cartridges, and loading paper. Then return to this booklet for instructions on connecting the cable and installing the printer software.

## Getting Started on an iMac

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

### **IMPORTANT:**

You can't use the adapter with the printer driver software that came with your printer. You must use the USB/Parallel Adapter printer driver software.

**To use the adapter with the iMac, you must download and install the iMac Update 1.0 from Apple at <http://swupdates.info.apple.com> before you install the USB printer software. Contact Apple Computer if you have problems installing this update.**



For instructions on using the printer software, see the following:


- ▶ If you have an EPSON Stylus COLOR 440 or EPSON Stylus COLOR 640, locate the electronic *EPSON Stylus COLOR 440/640 Driver Software Guide for Macintosh* in the Manual directory on your USB Printer Software CD-ROM. Copy the manual to your hard drive and view it using Adobe® Acrobat Reader 3.01. (If you don't have Acrobat Reader on your computer, you can install it using the Acrobat Reader 3.01 Installer on your USB Printer Software CD-ROM.)
- ▶ If you have an EPSON Stylus COLOR 600 or EPSON Stylus Photo EX, see the *User's Guide* that came with your printer.

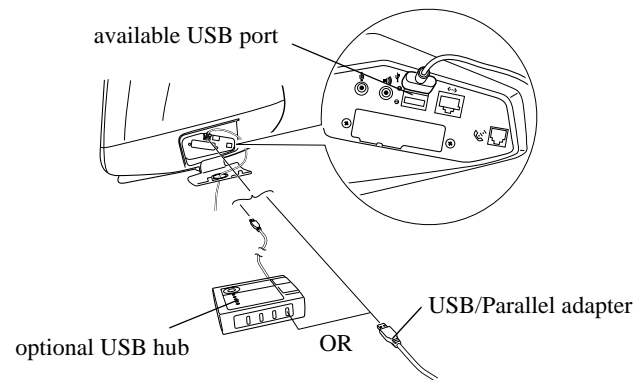
**Note:**

*There are three main differences between the printer driver software documented in your EPSON Stylus COLOR 600 or EPSON Stylus Photo EX User's Guide and the USB/Parallel Adapter printer software: there is no Status Monitor utility, Monitor2 is upgraded to Monitor3, and you use the **SC 600** or **SPEX** icon to select the printer in the Chooser. For information on using Monitor3, see Appendix A in this guide.*


## Connecting the Cable

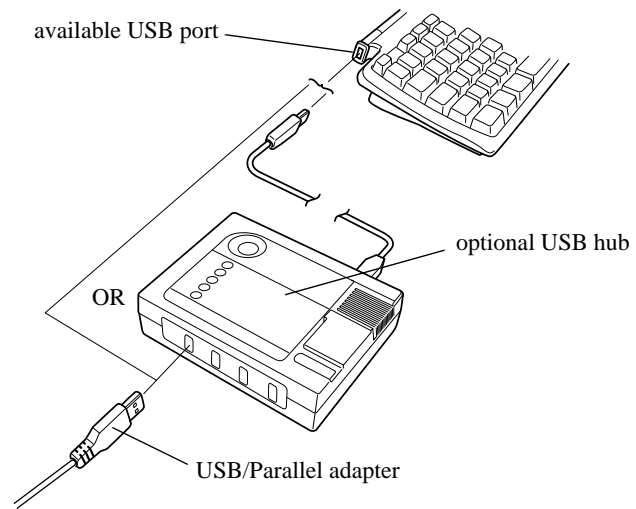
You can connect the USB/Parallel Adapter directly to a USB port on your iMac or to a USB hub connected to a port on the iMac. If you have any printing problems when the printer is connected via a USB hub, try connecting the printer directly to the USB port on the iMac instead.

- 1 To connect the adapter to the USB port on the side of the iMac, first open the port door. Hold the adapter's USB connector so the  icon faces up and connect it to the available USB port.



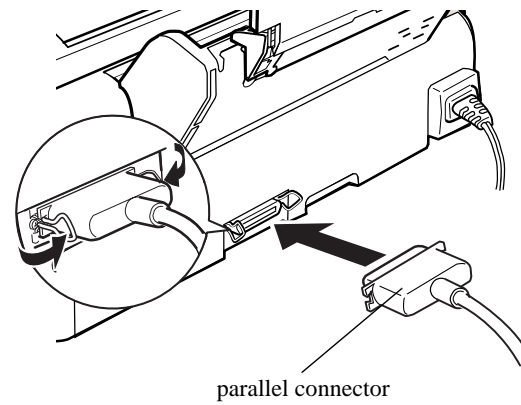
If you're using a USB hub, plug it into the USB port on your iMac, then connect the adapter to an available USB port on the hub.

To connect the adapter to one of the USB ports on the iMac keyboard, hold the adapter's USB connector so the  icon faces away from you and connect it to the USB port.



If you're using a USB hub, plug it into the USB port on the iMac keyboard, then connect the adapter to an available USB port on the 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.



- 3 Now follow the instructions in the next section to install the printer driver software from the USB/Parallel Adapter CD-ROM.

## Installing the Printer Software

### **IMPORTANT:**

You can't use the adapter with the printer driver software that came with your printer. You must use the printer driver software that came on the USB Printer Software CD-ROM.

**Before you begin this procedure, you must install the iMac Update 1.0 from Apple at <http://swupdates.info.apple.com>. Contact Apple Computer if you have any problems installing this update.**

Follow these steps to install the USB printer driver software:

- 1 Turn on your iMac and wait until you see your desktop icons. (**Always** turn on your computer **first**.) Then turn on the USB hub (if you're using one) and your EPSON printer.
- 2 You see a message that the computer can't find the software it needs for your device. Click **OK**.
- 3 Insert the EPSON USB Printer Software CD-ROM.
- 4 Double-click the **Installer** icon for your printer, then click **Continue**.
- 5 Click **Install** and follow the on-screen instructions to install the printer driver and utilities, and select a default paper size.
- 6 After installation is complete, click **Restart** to restart your iMac.
- 7 Open the Chooser from the Apple menu.

- 8 Click the printer icon for your printer.

**Note:**

*The printer icons are labeled SC 600 (EPSON Stylus COLOR 600), SC 440 (EPSON Stylus COLOR 440), SC 640 (EPSON Stylus COLOR 640), and SPEX (EPSON Stylus Photo EX.)*

- 9 Click the **USB Port** icon (if you've connected more than one EPSON printer, the port is numbered).
- 10 Turn on background printing, if you want to use it. Then close the Chooser.

If you don't see your printer icon in the Chooser, make sure your USB port and parallel port connections are secure and your printer is turned on. Check the MacOS Info Center on your iMac desktop for additional information on USB connections.

If your EPSON printer came with other application software, see your printer documentation for instructions on installing it from the printer's CD-ROM.

## **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. If you're connecting to an EPSON Stylus COLOR 600 printer, you'll also find instructions on how to set up your system to use Windows Print Manager.

For instructions on using the printer software, see the documentation that came with your printer.


### **IMPORTANT:**

You can't use the adapter with the printer driver software that came with your printer. You must use the printer software that came on the USB Printer Software CD-ROM.

However, you can use the USB printer software to connect the printer to your computer via the parallel port, if you want.

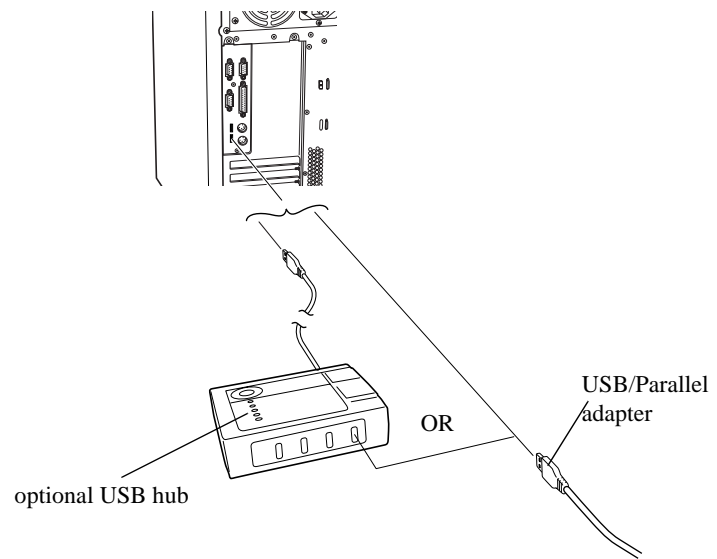
## Connecting the Cable

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.

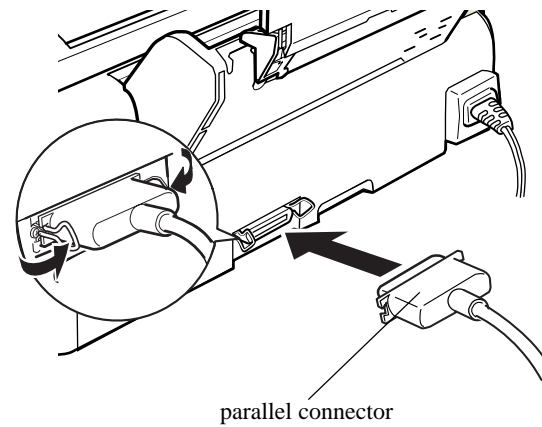
- 1 Locate an available USB port on your computer (your USB ports may be in a different location than shown in the illustration on page 17).
- 2 Hold the adapter's USB connector so the  icon faces to the right and connect it to the USB port, or

If you're using a USB hub, plug it into the USB port on your computer, then connect the adapter to an available USB port on the hub.





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



- 4 Now follow the instructions in the next section to install the printer driver software.

## **Installing the Printer Software**

The steps you follow to install the USB printer driver software depend on whether you've already installed a printer driver for your printer, or whether you're performing a new installation. If you've already installed a printer driver, follow the steps below. If not, follow the steps on page 24.

**Note:**

*The USB printer driver software works best with a Windows 98 system that has not been upgraded from Windows 95.*

### ***If you've already installed a printer driver for your EPSON printer***

You need to delete the printer driver's INF file before you install the USB printer driver.

#### *Deleting the INF file for the old printer driver*

- 1 Click **Start**, point to **Programs**, and select **Windows Explorer**.
- 2 Open your Windows directory. 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 locate and select the INF file corresponding to your installed printer driver:

EPSON Stylus Photo EX	<b>EPSONEPIIFE2J.INF</b>
EPSON Stylus COLOR 600	<b>EPSONEPS600.INF</b>
EPSON Stylus COLOR 440	<b>EPSONEPIIFE3P.INF</b>
EPSON Stylus COLOR 640	<b>EPSONEPIIFE30.INF</b>

- 6 Click **Delete** to delete the old printer driver. Close Windows Explorer.

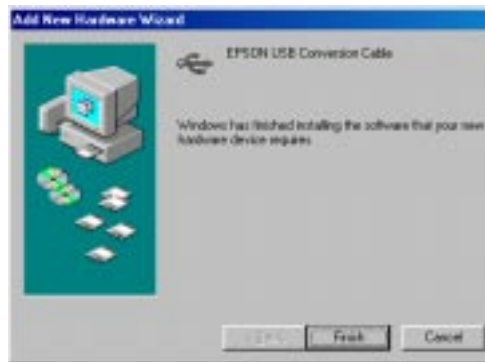
*Installing the USB printer driver software*

- 1 Restart your computer. Then turn on the USB hub (if you're using one) and your EPSON printer. You see the Add New Hardware Wizard screen.
- 2 Insert the USB Printer Software CD-ROM in your CD-ROM drive.
- 3 Click **Next**. At the next screen, select **Search for the best driver for your device** and click **Next**.

- 4 Select **Specify a location**, then click **Browse** to locate the USB printer software. The software is located in the following folders on the CD-ROM: Stylus Photo EX, Stylus COLOR 600, Stylus COLOR 440, and Stylus COLOR 640.



- 5 Click **Next**. The Add New Hardware Wizard now displays **EPSON USB Conversion Cable**.



- 6 Click **Next**. The installer copies the USB printer files to your system. At the final screen, click **Finish**.

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



- 7 Click **Next** to install your printer driver. At the next screen, select **Search for the best driver for your device** and click **Next**.
- 8 Follow the on-screen instructions to install your printer driver. Be sure to click the **Yes** radio button to set your printer as the Windows default printer. At the last screen, click **Finish**.
- 9 When you see a message that installation is complete, click **OK**.

If you've installed driver software for the EPSON Stylus COLOR 600, you need to set up your system to use Windows Print Manager. See "Setting Up Your System to Print to the EPSON Stylus COLOR 600" on page 27.

***If you're performing a new installation***

**Don't install the printer driver software that came with your printer.** You can't use this driver software with your USB/Parallel adapter. However, you can use the USB printer software to connect the printer to your computer via the parallel port, if you want.

**Note:**

*If you install the printer driver software by mistake, see page 19 for instructions on deleting the driver's INF file.*

If you don't want to install any creative applications that came with your printer driver software CD-ROM, follow the instructions under "Installing the USB printer driver software" on page 20.

If you want to install the creative software on your printer driver software CD-ROM, follow these steps:

- 1 Locate the software installation instructions that came with your printer. (They may be in a document called *Start Here*, *Getting Started*, or *Quick Setup*.)



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



- 3 Continue with the instructions to install your creative software applications.  
**Note:**  
*The installer for the EPSON Stylus Photo EX installs the creative software before it installs the printer driver software.*
- 4 When you've finished installing the creative software, restart your system.
- 5 Remove your printer driver CD-ROM. Then continue with the instructions under "Installing the USB printer driver software" on page 20.

### ***Checking your installation***

To verify that your USB software installed properly, check the Device Manager. Click **Start**, point to **Settings**, and click **Control Panel**. Then click **System** and click the **Device Manager** tab.

You should see the device **EPSON USB Conversion Cable Devices** listed. Click the **+** next to the device; you should see **EPSON USB Conversion Cable (EPXUSB1:)** listed too.

**Note:**

*If you've installed more than one USB printer device, each new installation will increase the last digit of the USB conversion cable device name by a factor of one. For example, a second installed USB printer device would be listed as EPSON USB Conversion Cable (EPXUSB2:), and a third installation would be listed as USB Conversion Cable (EPXUSB3).*

If the printer doesn't work correctly, uninstall the printer software as described in your printer documentation. Also uninstall the EPSON USB printer device software the same way. Then reinstall the USB device and printer software as described in this guide. If you've installed printer driver software for the EPSON Stylus COLOR 600, remember to set up your system to use Windows Print Manager. (See "Setting Up Your System to Print to the EPSON Stylus COLOR 600" on the next page.)

If you still have problems, contact your EPSON dealer or EPSON technical support as described in your printer documentation.

## **Setting Up Your System to Print to the EPSON Stylus COLOR 600**

The EPSON Stylus COLOR 600 printer driver software requires that you use the Windows Print Manager when printing to the USB/Parallel Adapter.

Follow these steps to enable the Windows Print Manager:

- 1 Click **Start**, point to **Programs, Epson**, and select **Spool Manager4**.
- 2 In the EPSON Spool Manager window, select the **EPSON Stylus COLOR 600** icon.
- 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.

## Appendix A: Using Monitor3 with Your iMac

The Monitor3 utility lets you continue to work on your iMac while your document is printing (though printing and processing may be slower). The Monitor3 dialog box lets you check on your print jobs and cancel, pause, or restart them.

See the next section to turn on background printing and increase the memory allocation for Monitor3.

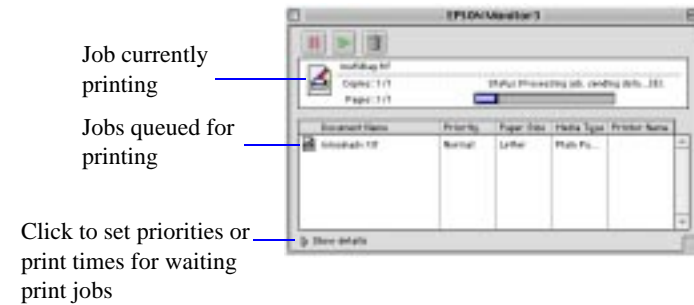
### Setting Up Monitor3

- 1 Open the Chooser from the Apple menu and select the icon for your printer (**SC 600**, **SC 440**, **SC 640**, or **SPEX**). Then select the USB Port.
- 2 Under **Background Printing**, click **On** and close the Chooser.
- 3 To increase the memory allocation, select **EPSON Monitor3** in the Extensions folder in your System folder. Then choose **Get Info** from the File menu and set the **Memory Requirements** to 2000 or 3000, depending on your system's available RAM.


Now see the next section for instructions on using Monitor3.

### Monitoring Print Jobs with Monitor3

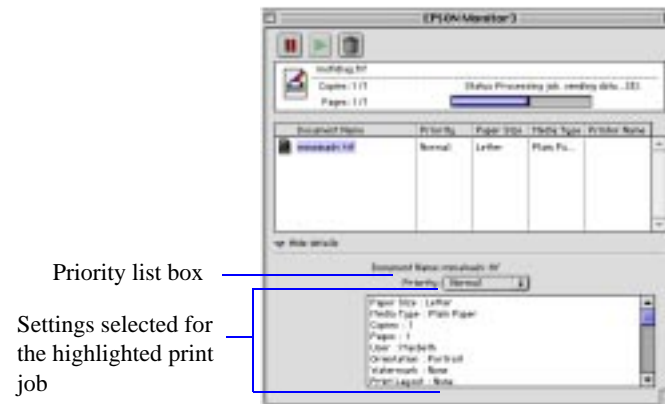
While you're printing, click the **EPSON Monitor3** icon on the Application menu at the right end of the menu bar. You see the following dialog box:



You can track the printer's progress with the current job, or double-click a job and use these command buttons:

- ▶ click  to delete
- ▶ click  to restart
- ▶ click  to pause


To set priorities for jobs waiting to print, click the job, then click the **Show details** arrow at the bottom of the window.



**Note:**

If you see a stop sign icon and the message "Print queue on hold" in the EPSON Monitor3 dialog box, select **Start print queue** from the Printer menu to release the queue and resume printing.

The **Priority** list becomes active. Click the arrow and select one of the following settings:

- ▶ **Normal** prints the job in the order it is received
- ▶ **Urgent** moves the job before any Normal priority jobs in the print queue
- ▶ **Hold** holds the job in the print queue until you're ready to release it for printing by clicking the  restart icon
- ▶ **Print Time** opens this dialog box so you can set a specific day and time for printing.





## Appendix B: Specifications

### USB/Parallel Adapter Specifications

USB connector:	USB series A; compliant with USB Specification Revision 1.0	
Parallel connector:	IEEE-1284-B; 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	
Power consumption:	During operation:	38 mA
	During suspend mode:	650 µA
Weight:	5 ounces (140 grams)	

## **System Requirements**

### ***Macintosh***

Computer:	Apple iMac
Operating system:	Macintosh OS 8.1 with iMac Update 1.0
Memory:	32MB 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:	24-speed CD-ROM drive
Printer cable:	EPSON USB/Parallel Adapter cable

### ***Windows***

Computer:	An IBM® compatible PC with at least a 486/66 MHz processor (Pentium® processor recommended)
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

