EPSON® USB/Parallel Adapter User's Guide

EPSON Stylus COLOR 440

EPSON Stylus COLOR 600

EPSON Stylus COLOR 640

EPSON Stylus Photo EX

EPSON Stylus Photo 700

EPSON Stylus COLOR 800

EPSON Stylus COLOR 850

EPSON Stylus COLOR 1520

EPSON Stylus COLOR 3000

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 7424R1

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 materiel brouilleur du Canada.

Contents

Introduction

The EPSON USB/Parallel Adapter allows you to use smart cable technology to connect your EPSON printer to your Apple iMac or Windows® 98 computer. It supports the following printers:

◗ EPSON Stylus® COLOR 440   ◗ EPSON Stylus COLOR 800

◗ EPSON Stylus COLOR 640   ◗ EPSON Stylus COLOR 850

◗ EPSON Stylus COLOR 600   ◗ EPSON Stylus COLOR 1520

◗ EPSON Stylus Photo EX   ◗ EPSON Stylus COLOR 3000

◗ EPSON Stylus Photo 700

Note: The USB/Parallel Adapter supports the EPSON Stylus COLOR 3000 for Macintosh only.

To use the EPSON USB/Parallel Adapter, you'll need to:

◗ Install iMac Update 1.0 if you have an iMac

◗ 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 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 USB 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 any other supported printer, see the *User's Guide* that came with your printer.

   Note:
   The USB/Parallel Adapter printer software is slightly different from the printer driver software documented in your User's Guide. First, there is no Status Monitor Utility for Windows. Second, the Monitor2 utility for Macintosh has been upgraded to Monitor3. (Some printers, such as the EPSON Stylus Photo 700 and EPSON Stylus COLOR 850, already use Monitor3.) 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 ψ icon faces up and connect it to the available USB port.

available USB port

USB/Parallel adapter

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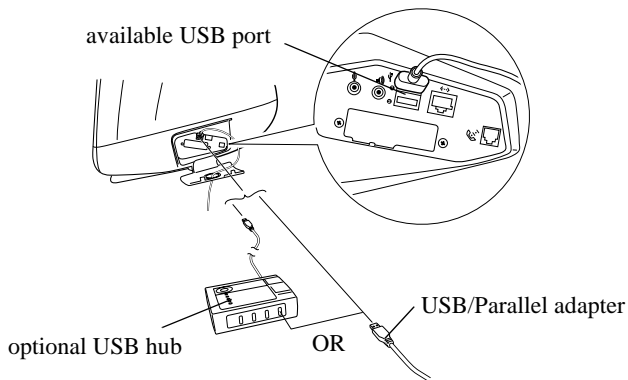
If you're using a USB hub, plug it into the USB port on your iMac, then connect the adapter to an available USB port on the hub.

10

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

available USB port
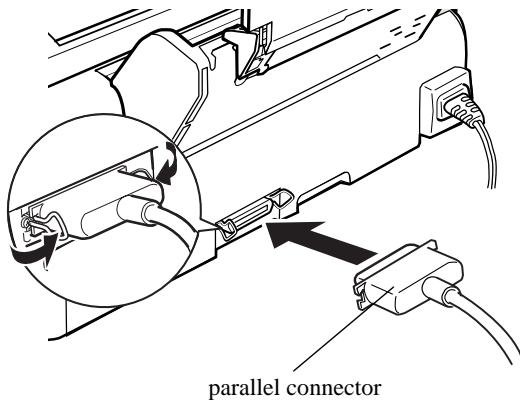
optional USB hub

OR

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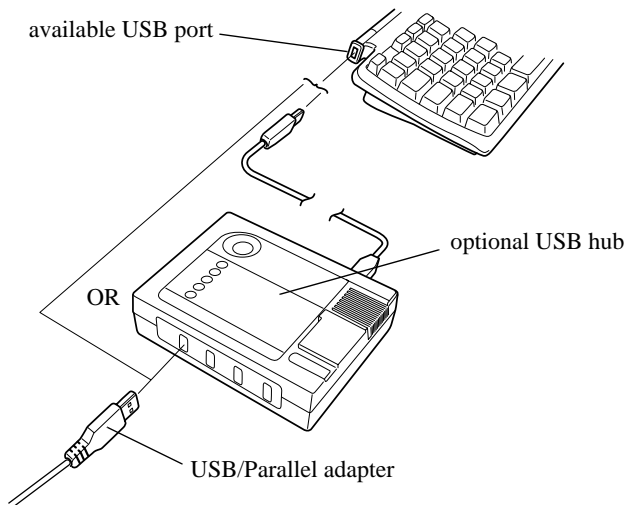
If you're using a USB hub, plug it into the USB port on the iMac keyboard, then connect the adapter to an available USB port on the hub.

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

parallel connector

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

Installing the USB 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. Printer icons are labeled as
    follows:

- ◗   **SC 440** (EPSON Stylus COLOR 440)
- ◗   **SC 600** (EPSON Stylus COLOR 600)
- ◗   **SC 640** (EPSON Stylus COLOR 640)
- ◗   **SPEX** (EPSON Stylus Photo EX)
- ◗   **SP 700** (EPSON Stylus Photo 700)
- ◗   **SC 800** (EPSON Stylus COLOR 800)
- ◗   **SC 850** (EPSON Stylus COLOR 850)
- ◗   **SC 1520** (EPSON Stylus COLOR 1520)
- ◗   **SC 3000** (EPSON Stylus COLOR 3000)

9   Click the **USB Port** icon (if you've connected more than one printer of
    the same model, the port is numbered).

10 Turn on background printing if you want, 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 or EPSON Stylus COLOR 800 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 ψ 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.

USB ports

USB/Parallel adapter

OR

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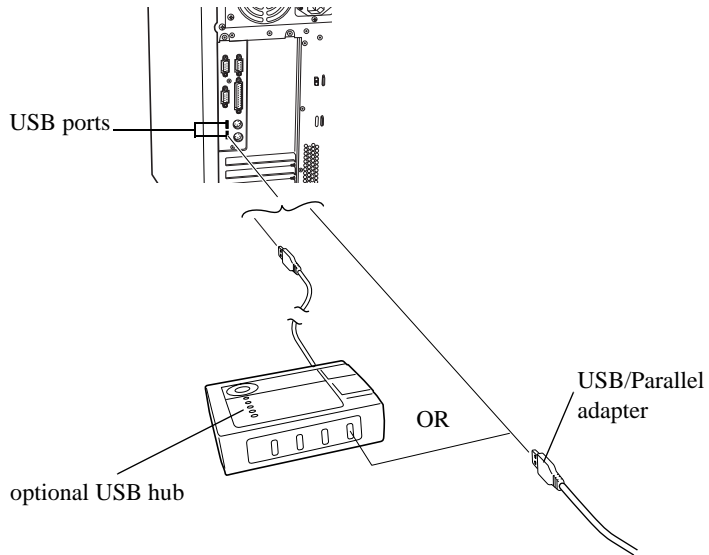
3   Connect the adapter's parallel connector to the parallel port on the back of the printer, then secure it with the wire clips.

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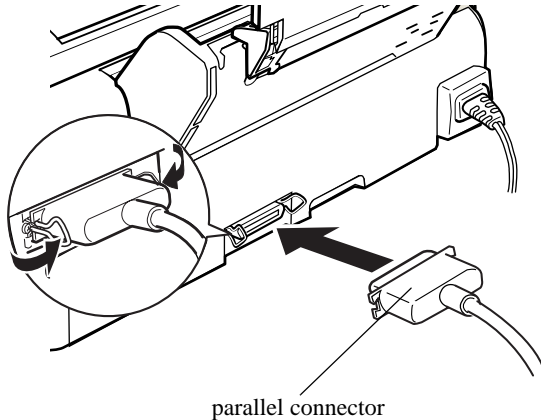
4   Now follow the instructions in the next section to install the printer driver software.

Installing the USB Printer Software

If you've already installed printer driver software for your printer, you need to delete the old printer driver's INF file before you install the USB printer driver. Begin with the instructions on the next page, "Deleting the INF file for the old printer driver".

If you're performing a new installation, begin with "Installing the USB printer driver software" on page 22.

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

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	**EPSONEPIIFE2J.INF**
EPSON Stylus COLOR 600	**EPSONEPS600.INF**
EPSON Stylus COLOR 440	**EPSONEPIIFE3P.INF**
EPSON Stylus COLOR 640	**EPSONEPIIFE3O.INF**
EPSON Stylus Photo 700	**EPSONEPIIFE3K.INF**
EPSON Stylus COLOR 800	**EPSONEPS800.INF**
EPSON Stylus COLOR 850	**EPSONEPIIFE2M.INF**
EPSON Stylus COLOR 1520	**EPSONEPS152.INF**

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

Now you're ready to install the USB printer driver software. Continue with

Installing the USB printer driver software

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 20 for instructions on deleting the driver's INF file.

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 your printer's folder on the CD-ROM.

Add New Hardware Wizard

Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.

☐ Floppy disk drives

☐ CD-ROM drive

☐ Microsoft Windows Update

☑ Specify a location:

D:\Stylus COLOR 440

[Browse]

< Back   Next >   Cancel
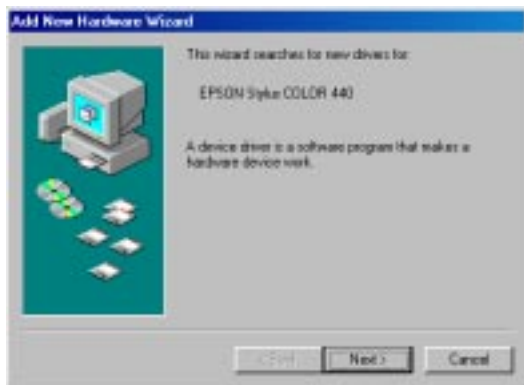
5   Click **Next**. The Add New Hardware Wizard now displays **EPSON USB Conversion Cable**.
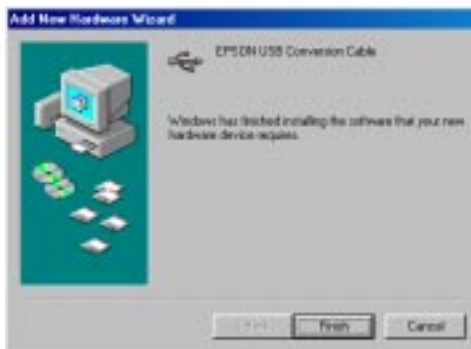
6   Click **Next**. The installer copies the USB printer files to your system. At the final screen, click **Finish**.

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 want to install the creative software that came with your printer, continue with "Installing creative software" on page 27.

Note:
The EPSON Stylus COLOR 800 and EPSON Stylus COLOR 1520 do not come with creative software.

If you've installed driver software for the EPSON Stylus COLOR 600 or EPSON Stylus COLOR 800, you need to set up your system to use Windows Print Manager. See "Setting Up Your System to Print" on page 29.

Installing creative software

If your printer came with creative software, follow these steps to install it:

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.

Note:
*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 printer driver software installation whenever you see this screen**. If you don't, you'll install the old printer driver over the USB printer driver.*

3   Continue with the instructions to install your creative software
    applications.

4   When you've finished installing the creative software, restart
    your system.

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
EPSON USB Conversion Cable (EPXUSB3).*

If the printer doesn't work correctly, uninstall the USB printer driver software. (Use the procedure described in your printer documentation for uninstalling the printer driver.) Then reinstall the USB printer driver software as described in "Installing the USB printer driver software" on page 22 of this guide. If you still have problems, contact your EPSON dealer or EPSON technical support, as described in your printer documentation.

If you've installed USB printer driver software for the EPSON Stylus COLOR 600 or EPSON Stylus COLOR 800, continue with the procedure below.

Setting Up Your System to Print

The EPSON Stylus COLOR 600 and EPSON Stylus COLOR 800 printer driver software require 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 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.

Appendix A: Using Monitor3

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.
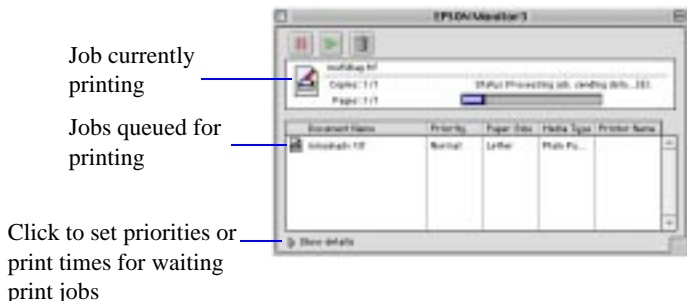
Setting Up Monitor3

1   Open the Chooser from the Apple menu and select the icon for your printer. 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:

Job currently printing

Jobs queued for printing

Click to set priorities or print times for waiting print jobs

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

32

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

Priority list box

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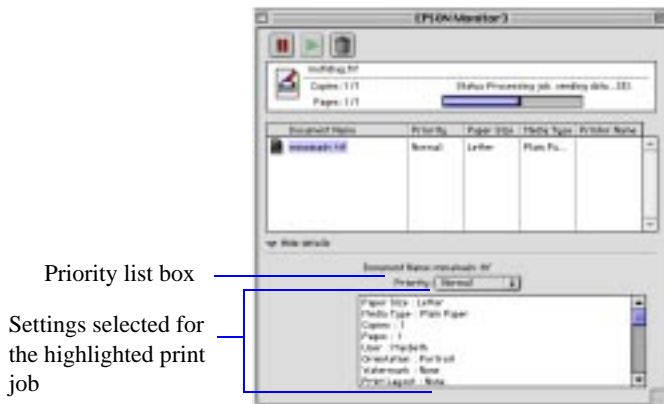
Note:
*If you see a stop sign icon and the message "Print queue on hold" in the EPSON Monitor3 dialog box, select **Start print queue** from the Printer menu to release the queue and resume printing.*

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.
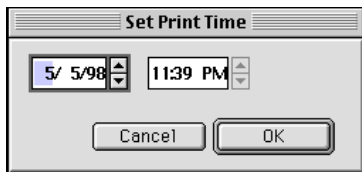
Appendix B: Specifications

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 or 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