EPSON

Color Digital Camera

Digital Camera Utility Programs

EPSON Photo!3
EPSON Photo File Uploader3
User's Guide

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EPSON® Photo!3
EPSON® Photo File Uploader3

Digital Camera Utility Programs

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User's Guide

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Introduction

Features

The EPSON digital camera software suite, including EPSON Photo!3 and EPSON Photo File Uploader3, is the perfect companion for your EPSON digital camera. Using this software along with your digital camera, you can save your photos as files to your computer's hard disk.

- ❏ The software supports the EPSON PhotoPC 800.
- ❏ EPSON Photo!3 directly controls the main features of your EPSON digital camera, and is the standard cross-platform interface for other applications.
- ❏ EPSON Photo File Uploader3 allows you to upload image files stored in your computer, or capture screen shots on the computer screen and save them in the digital camera's memory.
- ❏ EPSON Program Uploader allows you to upload optional programs from the computer to the camera, or delete programs from the camera.
- ❏ You can convert image files into various formats, such as JPEG and Bitmap Files, for use with your favorite desktop publishing and image-editing software.

About This Guide

The information in this guide is divided into four chapters, with a glossary and index provided for reference.

- ❏ Chapter 1 contains instructions for connecting the camera to your computer, and information on installing the software. Be sure to read this chapter first.
- ❏ Chapter 2 provides you with a complete description of EPSON Photo!3.
- ❏ Chapter 3 explains how to upload images and programs to your EPSON digital camera.
- ❏ Chapter 4 explains how to solve problems you may have while using the software.

Notes *contain important information and useful tips on operating your digital camera and software.*

Finding More Information

- ❏ Online help also provides information about EPSON Photo!3 settings.
- ❏ To set up and use the digital camera, see your *PhotoPC 800 User's Guide*.

System Requirements

Requirements for serial connection

PCs

486 processor or higher

Serial port with standard RS-232C interface and a communication speed of 19200 bps or higher

At least 16 MB RAM (32 MB for Windows 98)

Hard disk drive with at least 40 MB free space

VGA monitor with at least 16-color display

Microsoft® Windows 95, 98, or NT 4.0 or later

Macintosh computers

Power PC processor

Serial port with a communication speed of 19200 bps or higher

24 MB RAM

Hard disk drive with at least 40 MB of free space

Monitor with minimum resolution of 640 × 480

Macintosh System 7.5 or later

Requirements for USB connection

PCs

486 processor or higher

USB port (TYPE A receptacle)

At least 32 MB RAM

Hard disk drive with at least 40 MB of free space

VGA monitor with at least 16-color display

Microsoft® Windows 98 pre-installed

Macintosh computers

Power PC G3 processor

Apple Macintosh with built-in USB port

24 MB RAM

Hard disk drive with at least 40 MB free space

Monitor with minimum resolution of 640 × 480

Macintosh OS 8.1 or later (OS 8.1 is required to install iMac Update before installing EPSON Photo!3 from the Apple Web site)

Installing the Software

The CD-ROM that comes with your PhotoPC 800 contains EPSON Photo!3, EPSON Photo File Uploader3 and other optional software.

With EPSON Photo!3 you can transfer your pictures from the camera to your computer, then place them in documents. EPSON Photo File Uploader3 allows you to transfer digital images from the computer to your camera.

This chapter shows you how to connect your camera to your computer and install the camera software in your PC or Macintosh.

Note:

- ❏ *Be sure to install EPSON Photo!3 first. You cannot install other software before EPSON Photo!3 is installed.*
- ❏ *When you install EPSON Photo!3, the EPSON Program Uploader utility is also installed automatically.*

Connecting the Camera to Your Computer

You can connect your camera to a PC or Macintosh with a serial cable or the included USB cable. See the instructions in this section.

Note:

- ❏ *When the camera is connected to your computer, you cannot use any of the control buttons on the camera, including the shutter button. You can only operate the camera through your computer. To install the software, go to next section.*
- ❏ *You can save battery power by using the optional AC adapter whenever you connect the camera to your computer.*
- ❏ *When the camera is connected to a computer with the USB cable, the automatic shut-off feature does not work.*

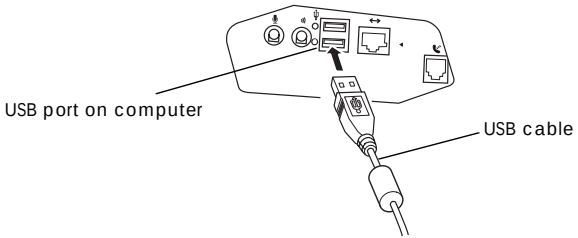
Using the USB cable

To connect the camera to your computer with USB cable, use the USB cable included with the PhotoPC 800.

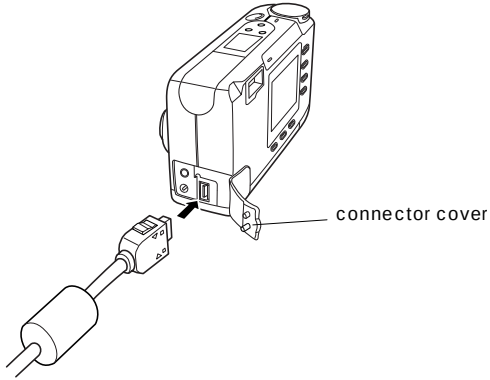
Follow these steps.

Caution:
Be sure to use the USB cable that comes with your PhotoPC 800 to avoid damaging the camera's interface connector.

1. Plug the cable connector into the USB port on your computer or USB hub.



2. Open the connector cover on the side of the camera. Insert the other end of the USB cable to the interface connector. Make sure the shape of the cable connector fits the interface connector.



Caution:
Be sure to position the cable correctly before pushing it into the connector. Otherwise, the cable's pins may be damaged.

Note:

- *You can connect or disconnect the USB cable from the computer or camera while the computer and camera are turned on. If a dialog box appears, follow the steps in "Installing EPSON Photo!3 for USB users" on page 1-6 to install the software.*

❑ *You can use a USB hub to connect several peripherals to your computer. If you are using more than one USB hub, connect the PhotoPC 800 to the hub that is connected to the computer. If the PhotoPC 800 does not work properly when connected to the hub, connect it directly to the computer's USB port.*

3. If necessary, turn the camera's dial switch to ☎ and turn on your computer.

Caution:
Keep your camera and computer away from potential sources of electromagnetic interference, such as loudspeakers or base units of cordless telephones.

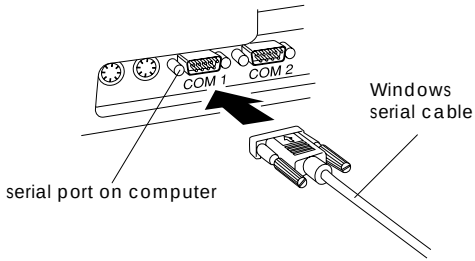
Using a serial cable

Connecting to a PC

You can connect the camera to a PC with a Windows serial cable. Follow the steps below.

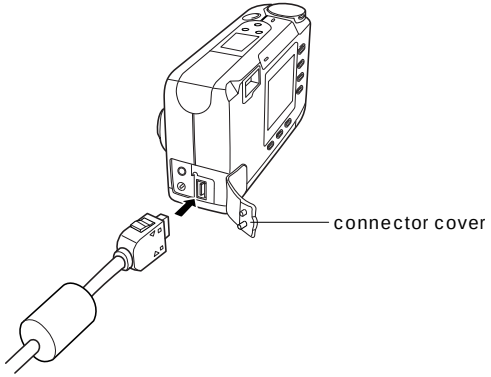
1. Make sure the camera and your computer are turned off.

2. Plug the cable connector into the serial port on your computer. Then tighten the screws.



Note:
If you have more than one port available, use COM1 or a similarly labelled port.

3. Open the connector cover on the side of the camera. Insert the other end of the serial cable to the interface connector. Make sure the shape of the cable connector fits the interface connector.



Caution:
Be sure to position the cable correctly before pushing it into the connector. Otherwise, the cable's pins may be damaged.

4. Turn the camera's dial switch to ☎ and turn on your computer.

Caution:
Keep your camera and computer away from potential sources of electromagnetic interference, such as loudspeakers or base units of cordless telephones.

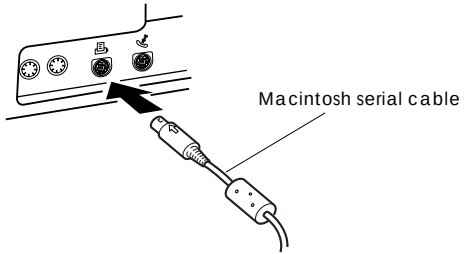
Connecting to a Macintosh

You can connect the camera to a Macintosh with a Macintosh serial cable. Follow the steps below.

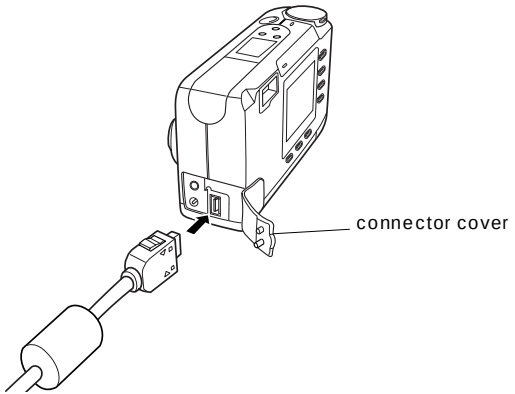
Note:
To connect to a Macintosh with a USB cable, see "Using the USB cable" on page 1-2.

1. Make sure the camera and your computer are turned off.

2. Plug the serial cable connector into the modem or the printer port on your computer.



3. Open the connector cover on the side of the camera. Insert the other end of the cable to the interface connector. Make sure the shape of the connector fits the interface connector.



Caution:
Be sure to position the cable correctly before pushing it into the connector. Otherwise, the cable's pins may be damaged.

4. Turn the camera's dial switch to ☎ and turn on your computer.

Note:
Make sure AppleTalk is inactive for the port that you use to connect your camera. Otherwise, the computer may not recognize your camera.

Caution:
Keep your camera and computer away from potential sources of electromagnetic interference, such as loudspeakers or the base units of cordless telephones.

Installing Software for Windows Users

Installing EPSON Photo!3 for USB users

When your camera is connected to a computer with the USB cable, follow these steps to install EPSON Photo!3.

1. Turn on the computer, and turn the camera's dial switch to ☎.

2. The dialog box below appears. Insert the software CD in the CD-ROM drive, then click Next.

3. Select Search for the best driver for your device, then click Next.

4. Select the Specify a location check box as shown below. Then type in, or browse and select, the CD-ROM drive letter, the EPSON folder, the folder of your preferred language, and the Win98 folder as the location, and click Next.

5. Follow the on-screen instructions.

6. After installation is complete, click Finish.

To install EPSON Photo!3, go to the next section.

Installing EPSON Photo!3 for serial cable users

When the camera and computer are connected with a serial cable, follow the steps below to install EPSON Photo!3.

1. Turn on your computer and insert the included CD for Windows in your computer's CD-ROM drive.

   If a dialog box appears asking you to select a language, click the appropriate language, then click OK.

2. An introductory screen appears on your monitor. Click the Add Software icon.

3. A dialog box with a list of software appears. Any software with a check mark next to it will be installed in your PC. Click a software name to remove or add a check mark.

   Make sure there is a check mark next to EPSON Photo!3.

4. Click OK. Then follow the on-screen instructions.

5. After installing EPSON Photo!3, click Finish.

6. The installation process automatically begins for any software you selected in addition to EPSON Photo!3 in step 3. Follow the on-screen instructions.

To install more software, go to the next section.

Installing EPSON Photo File Uploader3 and other software

In addition to EPSON Photo!3, your software CD contains other software to expand the capabilities of your camera, such as EPSON Photo File Uploader3. Follow the steps below to install the software of your choice. See your software documentation for a description of the available software.

1. Make sure EPSON Photo!3 is already installed. If not, see "Installing EPSON Photo!3 for USB users" on page 1-6 and "Installing EPSON Photo!3 for serial cable users" on page 1-7.

2. If necessary, repeat steps 1 and 2 in "Installing EPSON Photo!3 for serial cable users" on page 1-7.

3. A dialog box with a list of software appears. Any software with a check mark next to it will be installed on your computer. Click a software name to remove or add a check mark.

   Make sure there is a check mark next to EPSON Photo File Uploader3 and any other software you want to install.

4. Click OK. Then follow the on-screen instructions.

5. After installing EPSON Photo File Uploader3 or other software, click Finish.

6. The installation process automatically begins for any software you selected in addition to EPSON Photo File Uploader3 in step 3. Follow the on-screen instructions.

Installing Software for Macintosh Users

Installing EPSON Photo!3

Follow the steps below to install EPSON Photo!3.

1. Turn on the computer, and insert the included CD for Macintosh in the CD-ROM drive.

2. Double-click the EPSON icon that appears on your computer's desktop. Then double-click the EPSON Photo!3 folder.

   In some locations, the EPSON Photo!3 folder may contain multiple-language versions of the software. Double-click the folder of your preferred language.

3. Double-click the EPSON Photo!3 Disk 1 folder.

4. Double-click the Photo!3 Installer - Part 1 icon to start the installation program. Follow the on-screen instructions.

Installing EPSON Photo File Uploader3

Follow the steps below to install EPSON Photo File Uploader3.

1. Turn on the computer, and insert the included CD for Macintosh in the CD-ROM drive.

2. Double-click the EPSON folder that appears computer's desktop. Then double-click the File Uploader folder.

   In some locations, the File Uploader folder may contain multiple-language versions of the software. Double-click the folder of your preferred language.

3. Drag-and-drop the contents of the folder to the preferred location of your hard drive to install the software.

Installing other software

In addition to EPSON Photo!3 and EPSON Photo File Uploader3, your software CD contains other software to expand the capabilities of your camera. Follow the steps below to install the software of your choice. See your software documentation for a description of the available software.

1. Turn on the computer, and insert the included CD for Macintosh in the CD-ROM drive.

2. Double-click the EPSON icon that appears computer's desktop. Then double-click the folder that contains the software you want to install.

   Some folders may contain multiple-language versions of the software. Double-click the folder of icon of your preferred language.

3. Double-click the installer icon of the program you want to install. Then follow the on-screen instructions.

Using EPSON Photo!3

Now that EPSON Photo!3 is installed in your computer, you are ready transfer the images you shot with your camera to your computer. You can then use your images in letters, presentations, or other documents you create on your computer.

This chapter tells you how to do all these things, as well as how to erase pictures from the camera and upload EPSON Photo images to your camera.

Working with EPSON Photo!3

Once your camera and computer are connected and turned on, you are ready to start working with EPSON Photo!3. If you have not yet installed EPSON Photo!3 in your computer, see Chapter 1, “Installing the Software” to install it.

Note:
If you do not set your camera’s clock before connecting it to the computer, the camera's time and date is automatically set to that of the computer's after opening EPSON Photo!3.

Accessing EPSON Photo!3

To download your photos to your computer, you need to first access EPSON Photo!3. You can either open EPSON Photo!3 directly, or open it from a different application. See the next page for instructions.

Note:
Before accessing EPSON Photo!3, turn the camera’s dial switch to .

Opening EPSON Photo!3 directly

For Windows users

Click Start, point to Programs, point to EPSON Photo!3 Ver.1, then click EPSON Photo!3 Ver.1.

For Macintosh users

Double-click the EPSON Photo!3 Ver.1 icon in the EPSON Photo!3 Ver.1 program group or folder.

Opening EPSON Photo!3 from an application program

From a TWAIN-compliant application

Choose EPSON PhotoPC 800 (for Windows) or PhotoPC 800 (for Macintosh) as the TWAIN data source on your application's File menu, then acquire an image.

From an OLE2-compliant application (Windows only)

From an application that supports OLE2 (object linking and embedding), choose EPSON PhotoPC 800 Object on the Insert Object menu and click OK.

Note:

- ❏ *The process for accessing EPSON Photo!3 from TWAIN or OLE2-compliant applications may vary slightly depending on your software.*
- ❏ *Refer to your software documentation for detailed instructions on selecting TWAIN data sources or inserting OLE objects.*

Getting information through online help

EPSON Photo!3's online help can answer most of your questions about this software.

To access online help, click the Help button on any of the EPSON Photo!3 menus for help related to the items on that menu.

Note for Windows users:
You can also access the online help by clicking the Start *button, pointing to* Programs, *then to* EPSON Photo!3 Ver.1, *and then clicking* Photo!3 Help.

EPSON Photo!3 menus

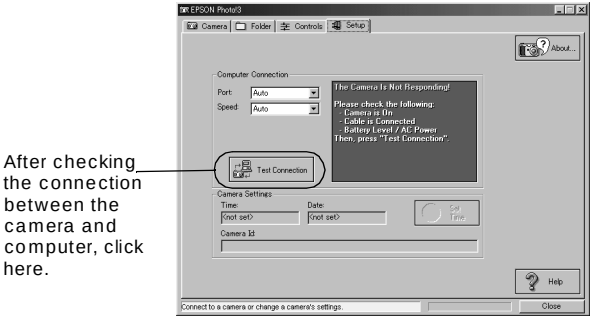
There are four menus in the EPSON Photo!3 dialog box; Camera, Folder, Controls, and Setup.

When you open EPSON Photo!3, the Camera menu appears, indicating your camera and computer are connected properly.

Note:

- ❏ *While the camera and the computer are communicating, star icons move across the camera's display panel. Avoid opening or using other applications during this time; otherwise, communication may be interrupted.*
- ❏ *When you connect the camera and computer with the USB cable, star icons always move across the display panel because the camera and computer are always communicating.*

If the Setup menu appears when you open EPSON Photo!3, your camera and computer may not be connected properly.



Connect the camera to your computer and make sure your camera's dial switch is set to . Then click the Test Connection button.

You can use the EPSON Photo!3 without connecting your camera and computer; however, the Camera and Controls menus are disabled.

If you still cannot open the Camera menu, see "Using the Setup Menu" on page 2-17 to establish a proper connection.

Camera menu

Displays small thumbnail images of all the photos stored in the memory card in the camera. You can transfer any image to the computer or erase it from the memory card.

Folder menu

Displays thumbnail images of photos that have been saved to a folder on your hard disk. Select images to transfer them to an application, or erase them from the folder. You can also upload these images from your computer to your camera's memory card.

Controls menu

Displays camera settings such as image quality and flash control. You can change some of the camera settings, and also take pictures using the Live Preview window on your computer.

Note:
To take a picture or use the Live Preview feature, make sure to open the lens cover and turn the dial switch to 📷 *or* 🗀 *before accessing EPSON Photo!3.*

Setup menu

Displays the current status of communication between your camera and the computer. You can change the communication settings if needed, and also set the camera's internal time and date.

Using the Camera Menu

When you open EPSON Photo!3, the Camera menu appears and starts downloading thumbnail images of the photos stored in the memory card in the camera.

The images are downloaded in the order that they were taken and are displayed in the image selection window.

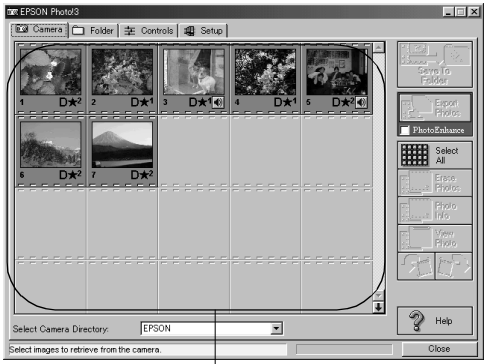


image selection window

If scrolling through the images takes too long, you can reverse the images by clicking the blue arrow at the bottom of the scroll bar.

You can select the directory in the memory card in the camera connected to the computer with Select Camera Directory.

If you have made and attached an audio recording to a photo, you can listen to the recording by clicking the audio icon. To stop the playback, click the audio icon again.

Note:
If a message appears indicating that the camera is not connected properly, make sure the serial or USB port is working, and that the port setting in the Setup menu matches the port you are using. To change the port setting, see "Changing the communication port" on page 2-17.

Transferring photos to your computer

There are two ways to transfer, or save, your pictures to your computer. You can click the Save To Folder button to create a JPEG file that is named automatically. Or you can click the Export Photos button to name the file yourself and save it as a JPEG, BMP, PCX, or PICT (for Macintosh only) file.

Using the Save To Folder button

Files saved with the Save To Folder button are named automatically. For example, 91020001. The first digit, 9, is the last number of the year you took photo. The next digit, 1, is the month, January. (October, November, and December are represented by X, Y, and Z, respectively.) The next two digits, 02, represent the day. The last four digits, 0001, indicate the order the file was saved. Image files use the JPG extension, and audio recording files use the WAV extension.

Follow the steps below to save photos in your computer with the Save To Folder button.

1. Make sure EPSON Photo!3 is open. See "Accessing EPSON Photo!3" on page 2-1.

2. Click the thumbnails of the images you want to save in the image selection window, or click the Select All button to save all the photos in your camera.

   Note:
   To rotate an image, select the image and click one of the rotation buttons.

3. Click the Save To Folder button.

4. Select a folder in the dialog box, then click Save. Your photos will be saved to the folder you selected.

   If a photo has an attached audio recording, you can choose between saving both the image and the recording, or only the image.

Using the Export Photos button

The Export Photos button is only available when you open EPSON Photo!3 directly. You can name the files and choose between the following file formats: JPEG, BMP, PCX, or PICT (for Macintosh only). Follow the steps below to save photos in your computer with this button.

1. Open EPSON Photo!3 as directed in "Opening EPSON Photo!3 directly" on page 2-2.

2. In the Camera menu, click the thumbnails of the images you want to save, or click the Select All button to save all the photos in your camera.

   Note:
   To rotate an image, select the image and click one of the rotation buttons.

3. Click the Export Photos button.

Note:
If you want to improve the image quality of your photos, select the PhotoEnhance *check box before clicking* Export Photos*. Transferring takes longer when using this feature. This feature works only for photos taken with an EPSON camera.*

4. Select a folder in which to save your photo, specify a file name, and select a file format in the dialog box. Then click Save.

   To quit saving photos while photos are being processed, click Cancel.

Placing photos in your documents

You can use your pictures in many different types of applications, such as word processors, presentation programs, spreadsheets, database managers and page layout and desktop publishing packages.

If your application supports OLE2 (such as Microsoft® Word 97® and WordPad®, for Windows only) or TWAIN (such as Adobe® Photoshop® 5.0 and Microsoft PictureIt!® 2.0), you can directly transfer your photos from your camera to your documents.

If your application does not support OLE2 or TWAIN, you need to save your photos as JPEG, BMP, PCX, or PICT (for Macintosh) files, and then open them from within your application.

If you are not sure whether your application supports OLE2 or TWAIN, give it a try. If it does not work, you can always insert the photo by first saving it and then opening it from your application.

Inserting photos directly into documents

You can add pictures directly to your documents with the Get Photo button (or the Get Photos button), or you can use the drag-and-drop method (Windows only).

Note:
Depending on the application you use, the Get Photo *button may appear as the* Get Photos *button. You can insert more than one photo with this button.*

Using the Get Photo (or Get Photos) button

Following is a typical procedure for directly transferring a photo to an OLE2 or TWAIN-compliant application.

1. Start your word processor or other application.

2. Open the document or file where you want to use the photo.

3. For OLE2-compliant applications, position the cursor where you want to insert the photo, choose Object from the Insert menu and double-click EPSON PhotoPC 800 Object in the Object Type list box.

   For TWAIN-compliant applications, select EPSON PhotoPC 800 (or PhotoPC 800 for Macintosh) as the TWAIN data source, then acquire the image.

   Note:
   The process for accessing EPSON Photo!3 from TWAIN or OLE2-compliant applications may vary depending on your software. Please refer to your software documentation for detailed instructions.

4. In the EPSON Photo!3 Camera menu, click the thumbnail of the image you want to use, then click the Get Photo (or Get Photos) button. A copy of the picture appears in your document.

   Note:
   - ❏ *If you want to rotate an image, select the image and click one of the rotation buttons.*
   - ❏ *If you want to improve the image quality of your photos, select the* PhotoEnhance *check box before clicking* Get Photo *(or* Get Photos*). Transferring takes longer when using this feature.*

Using drag-and-drop (Windows only)

Following is a typical procedure for transferring a photo to any Windows application that supports OLE2 (object linking and embedding).

1. Make sure EPSON Photo!3 is open.

2. Start your word processor or other application.

3. Open the document or file where you want to use the photo.

4. Arrange your screen so that both the application window and the EPSON Photo!3 window can be seen.

5. In the EPSON Photo!3 Camera menu, click the thumbnail of the image you want to use.

   Note:
   If you want to rotate an image, select the image and click one of the rotation buttons in the Camera menu.

6. Drag the photo from the Camera menu to your document. After a few seconds you will see the drop cursor. If your application does not support drag-and-drop, the drop cursor does not appear.

7. Position the drop cursor in your document and release the mouse button. A copy of the photo appears in your document.

Inserting a picture by importing

When your application program does not support OLE2 or TWAIN, you can export your photos to a folder, and open them from your application. Follow these steps to insert a picture by importing.

1. Open EPSON Photo!3 as following the step on "Opening EPSON Photo!3 directly" on page 2-2.

2. Click the thumbnail of the image you want to use.

   Note:
   If you want to rotate an image, select the image and click one of the rotation buttons in the Camera menu.

3. Click the Export Photos button. A dialog box appears allowing you to select a folder, specify a file name, select a file format, and save the photos. You can save photos in JPEG, BMP, PCX, or PICT (for Macintosh only) format.

   Note:
   - ❏ *If you want to improve the image quality of your photos, select the* PhotoEnhance *check box before clicking* Export Photos. *Transferring takes longer when using this feature.*
   - ❏ *If more than one photo is selected when you click* Export Photos, *a number is added automatically to the end of each file name.*

4. Start your application and open the document or file where you want to use the photo.

5. Position the cursor where you want to insert the photo.

6. Choose the Insert Picture or Import File command. The command name may vary depending on your application. It may appear on the File menu, the Insert menu, or another menu.

7. Enter the file name in the box that appears, or use the list to locate and select your photo.

8. Click OK. The photo appears in your document.

Erasing selected pictures from memory card

You can erase selected images from the memory card, as described below.

1. Click the thumbnails of the images you want to erase, or click the Select All button to erase all the photos in the memory card.

2. Click the Erase Photos button. A dialog box appears asking you to confirm that you want to erase these photos.

3. Click Yes. The images you selected are erased.

   If any of the photos have an attached audio recording file, a dialog box appears asking you whether you want to erase both the photos and audio files, or just the audio files. Click Erase Photo and Audio to erase the photo and audio files. Click Audio Only to erase the audio files only.

   If any of the photos are locked, a dialog box appears asking you whether you want to leave the photos in your camera or erase them. Click Yes to leave the photos in your camera, or click No to erase them.

Getting photo information

You can see an enlarged view of any thumbnail in the selection window by clicking the Photo Info button. The image of the selected thumbnail is shown in double-size, along with following information.

The following information is always displayed.

- ❏ Date and time the photo was taken
- ❏ Image size
- ❏ Camera model
- ❏ Camera ID
- ❏ Directory and file number

The following information is displayed when you use these features.

- ❏ Digital zoom ×2.0
- ❏ Image Quality (HyPict, Super-fine, Fine, or Standard)
- ❏ Flash state
- ❏ Macro state
- ❏ Locked state

- File format (the photo based on Design rule for camera file system) or (when you rotate the photo based on Design rule for camera file system, this icon appears. When you restore the photo, it becomes black one.)
- Audio recording

Note:

- *The PhotoPC 800 saves files in the automatically generated 100EPSON folder.*
- *PhotoPC 800 supports the "Design rule for camera file system." This system is the standard recording system for image files.*

You can also see this enlarged view and information by clicking the image with the right mouse button when running Windows, or on the Macintosh by clicking the image while the control key is pressed.

Note:
The Photo Info *button is disabled when multiple images are selected.*

Viewing your photos

You can see a much larger view of any thumbnail in the selection window by clicking the View Photo button or by double-clicking the thumbnail. The photo's number in the memory card and its dimensions are displayed above the image view area.

The size of the photo is one-half the width and height of your monitor's screen resolution. For example, if your monitor is set to 800 × 600 mode, the view of the photo will be 400 × 300 in Fine, and 400 × 150 in Fine Panorama.

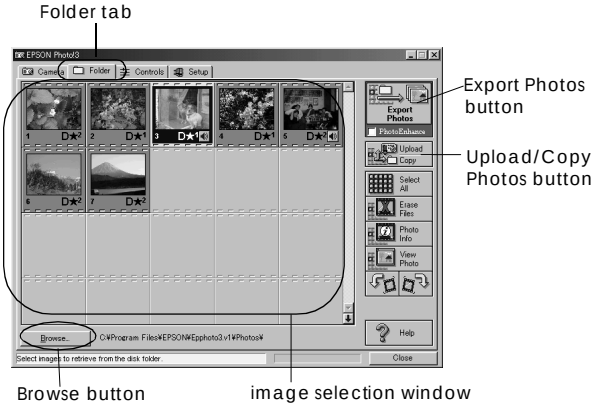
Note:
The View Photo *button is disabled when multiple thumbnails are selected.*

Playing back audio recordings

If you have made and attached an audio recording to a photo, you can listen to the recording when in the Camera menu. Click the audio icon that appears under the photo. To stop the playback, click the icon again.

Using the Folder Menu

Click the Folder tab to open the Folder menu. Thumbnails of the images in the selected folder appear in the image selection window. The name of the selected folder appears below the image selection window.



As in the Camera menu, you can transfer images from the Folder menu to your documents. To do so, follow the steps in "Placing photos in your documents" on page 2-7, clicking the thumbnails in the Folder menu instead of the Camera menu. You can also erase photos, view a selected photo, get photo information, and playback audio recordings. For instructions, see "Using the Camera Menu" on page 2-5.

The major difference between the Folder menu and the Camera menu is that in the Folder menu you can open a dialog box with the Browse button to find the folder containing the images you downloaded or saved. Also, you can upload EPSON Photo file format images from your computer to your camera using the Upload/Copy button.

Note:
EPSON Photo file format image files are saved as JPEG files formatted according to Exif Version 2.1 standards, and are recorded based on the "Design rule for camera file system." Exif is a standard format for audio/image files. The "Design rule for camera file system" is a recording standard for image files. These standards have been established by Japan Electronic Industry Development Association (JEIDA).

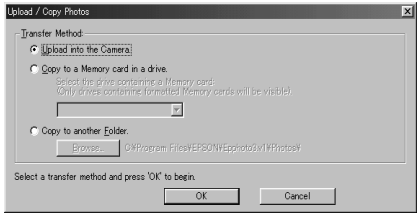
Finding the folder containing your photos

Click the Browse button to open a dialog box that allows you to locate the folder containing the images you downloaded from your camera. Select the folder where you stored the photos and click OK.

Note:
Image files that were not originally downloaded from the camera using the Save To Folder *button, or files not converted to EPSON Photo file format do not appear. For instructions on converting files to EPSON Photo file format, see "Using EPSON Photo File Uploader3" on page 3-1.*

Uploading and copying photos

Click the Upload/Copy button to upload selected photos to a CompactFlash memory card installed in your computer or camera. You can also copy photos to another folder with this button. The following dialog box appears after clicking this button.



Select the transfer method, then click the OK button. Images are added to the memory card in the camera, or to the selected folder in your computer, in the order they appear in the Folder menu's image selection window. To cancel the transferring of images, click the Cancel button.

To copy images to another folder, select the folder using the Browse button, then click the OK button to start copying.

If the photos you select to upload or copy have audio recordings, you can choose to upload or copy the photo and audio file, or only the photo.

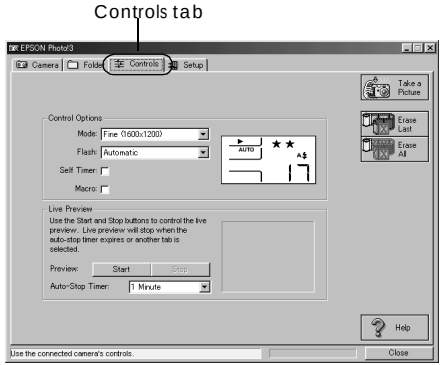
Note:
Image files that were not originally downloaded from the camera using the Save To Folder *button, or files not converted to EPSON Photo file format cannot be uploaded or copied using this button. For instructions on converting files to EPSON Photo file format, see "Using EPSON Photo File Uploader3" on page 3-1.*

Using the Controls Menu

Click the Controls tab to open the Controls menu. This menu allows you to see a live preview on your computer screen, take photos from your computer, and change camera settings.

When the camera is not connected to your computer, this menu is not accessible. See "Connecting the Camera to Your Computer" on page 1-1 to connect your camera correctly.

Note:
Make sure to open the camera's lens cover and turn the camera's dial switch to or *before starting EPSON Photo!3.*



Controlling the camera from your computer

You can change camera settings by using the Control Options box in the Controls menu, just as you would use the control buttons on the top of the camera. When the camera is connected to the computer, you cannot use any buttons on the camera itself other than the dial switch.

The display panel on the computer and the display panel on the camera are updated whenever the image quality setting, flash mode, or picture count changes.

Selecting the image quality setting

Click anywhere inside the Control menu's Mode box to select an image quality setting.

Image Quality Setting	Resolution in Pixels
Standard	640 × 480
Fine	1600 × 1200
Super Fine	1600 × 1200
HyPict	1984 × 1488
Monochrome Fine	1600 × 1200
Monochrome Super Fine	1600 × 1200
Monochrome HyPict	1984 × 1488

You can switch freely between these settings and mix pictures of varying image quality in the camera. Keep in mind that the memory card's picture capacity varies accordingly. See your *PhotoPC 800 User's Guide* for more information on the image quality settings.

Selecting the flash mode

Use the arrow in the Control menu's Flash box to select one of following flash mode settings.

Off, Automatic, Forced, Slow sync

Note:
When taking photos in the Full Auto camera mode, Slow Synchro is not available. See the PhotoPC 800 User's Guide for details.

Setting the self timer

Select the Self Timer check box in the Controls menu to activate the self timer. See the *PhotoPC 800 User's Guide* for more information.

Selecting macro mode

Select the Macro check box in the Controls menu to turn on the macro feature. See the *PhotoPC 800 User's Guide* for details on the macro feature.

Taking pictures from your computer

You can take pictures from your computer using the camera's viewfinder to set up your shot, and you can see a live preview of the shot on your computer screen before you capture it. This live preview feature works somewhat like a video camera, except the image moves more slowly.

Follow these steps to take pictures from the computer.

1. Make sure to open the lens cover and turn the camera's dial switch to or .

2. Position the camera facing the subject. Use a tripod for maximum flexibility in setting up your shots.

3. Click the Take a Picture button to take a picture. The status and shooting lights flash green, then turn off.

4. When the light stops flashing and turns green, the image is saved and you can take another picture.

When you want to take picture while displaying your image in the Live Preview window, click the Start button in the Live Preview box. Then click Take a Picture button to take a picture.

Note:

- ❏ *The live preview feature consumes much battery power, so use of the optional AC adapter is recommended. See your PhotoPC 800 User's Guide for more information on using the AC adapter.*
- ❏ *You cannot turn off the camera when you are using live preview. Click the* Stop *button to turn off the live preview feature, and then turn off the camera.*

The live preview image will be updated every few seconds for the amount of time specified in the Auto-Stop Timer list as follows:

30 Seconds, 1 Minute (default setting), 3 Minutes, 5 Minutes

This feature helps save battery power. You can also quit the live preview by clicking the Stop button while live previewing.

Erasing photos from your computer

You can erase the last photo taken or all the photos in the camera's memory card.

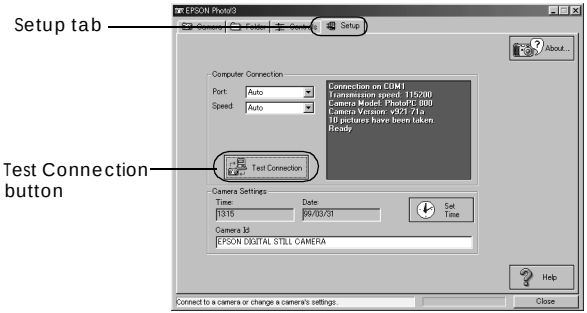
To erase the photo you take the last, click the Erase Last button.

To erase all the photos in your camera, click the Erase All button.

A message appears asking you to confirm your command. Click Yes to erase, or No to cancel.

Using the Setup Menu

Click the Setup tab to display the Setup menu. This menu allows you to make computer connection settings and a few camera settings, such as the date and time. You can also test the connection between your camera and the computer from this menu.



Changing computer connection settings

You can change settings for communication between your computer and camera with the Port and Speed options. You can also test the connection and establish communication by clicking the Test Connection button. Connection information appears in the Computer Connection window.

Note:

- ❏ *Make sure the camera's dial switch is set to* .
- ❏ *Do not change the Port and Speed settings from* Auto *unless you know the configuration of the serial port you want to use. If you change the Port and Speed settings, you may lose the connection between the camera and your computer.*

Changing the communication port

You can change the communication port used to connect the camera to your computer. When Auto is selected in the Setup menu, EPSON Photo!3 automatically selects the port used to connect the camera and the computer.

For Windows

You can select Auto, USB or any available COM port, such as COM1 to COM9.

For Macintosh

You can select Auto, USB, Modem Port, or Printer Port.

Changing the serial communication speed

You can change the speed at which EPSON Photo!3 communicates with the camera. When Auto is selected in the Setup menu, EPSON Photo!3 automatically selects the fastest possible communication speed. The following speeds are available.

Auto, 19200, 38400, 57600, 115200, and 230400 bps.

Note:

- ❏ *For Windows, the 230400 bps speed is only available if your PC has a high-speed serial interface and driver.*
- ❏ *For Macintosh, the 115200 and 230400 bps speeds are only available in System 7.5.3 or higher.*
- ❏ *When you select the USB port, you cannot change communication speed.*

Checking the current status of the camera

The Computer Connection window displays the current status of the camera and its connection to the computer. If there is a problem with the connection, EPSON Photo!3 provides information in this window to help you solve the problem.

Follow these steps if you get an error message in the Computer Connection window.

1. Make sure that both Port and Speed in the Setup menu are set to Auto.
2. Make sure that the cable is connected correctly, as described in "Connecting the Camera to Your Computer" on page 1-1.
3. Make sure the camera's dial switch is set to .
4. Make sure the interface port used to connect the camera is enabled and properly configured on your computer.
5. Click the Test Connection button in the Setup menu to confirm the connection between your camera and the computer.

Changing camera settings

You can see the camera's internal time and date settings in the Time and Date fields, and you can change these settings using the Set Time button. You can also change the name used to identify your camera in the Camera Id box.

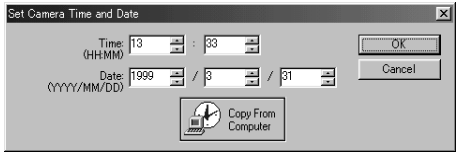
Setting the clock

Your camera can record the time and date of your pictures automatically. When you transfer pictures from the camera to your computer, you can see exactly when each shot was taken.

In order to have the time and date recorded, you need to set the camera's clock using the camera's LCD monitor, or by using the Set Time feature described below. The camera's clock will continue to keep time accurately as long as power is being supplied to your camera. If your batteries run out, you must replace them within 30 minutes to avoid losing the time settings in your camera.

Follow these steps to set the camera's clock.

1. In the Setup menu, click the Set Time button. The Set Camera Time and Date dialog box appears.



2. Use the arrows to change the time and date. If you want to set your camera to your computer's time and date, click the Copy From Computer button.

3. Click OK. EPSON Photo!3 updates the time and date in your camera.

Changing the camera ID

If you want to change the name that is used to identify the camera when it is connected to a computer, simply type a new name into the Setup menu's Camera Id box. The camera name appears on the introductory screen when you start EPSON Photo!3 and in the About dialog box. You can also see your camera ID by clicking the Photo Info button.

Using the Uploader Utilities

Your camera comes with two uploader utility programs that allow you to upload images or optional programs from your computer to your camera. This chapter teaches you how to use these programs and includes an explanation of how to capture screen shots of your computer desktop.

Using EPSON Photo File Uploader3

This software, included on the CD-ROM shipped with your camera, allows you to convert any JPEG, BMP or PICT (for Macintosh only) image to EPSON Photo file format, and upload it to a CompactFlash memory card.

You can also use this software to make and save "screen shots" of everything displayed on the computer screen. Use this feature to turn any of the documents you create, for example PowerPoint presentations, into image files that you can upload to a memory card. Macintosh users can make screen shots using Macintosh system software.

You can upload images in the following sizes.

640 x 480, 1600 x 1200, or 1600 x 600 pixels

Note:
EPSON Photo File Uploader3 automatically converts images from their original size to whichever of these three sizes you choose.

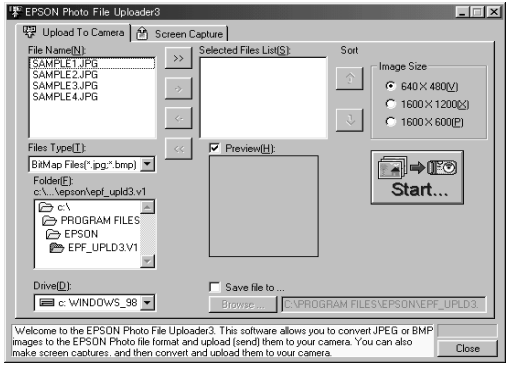
To use EPSON Photo File Uploader3, you need to install the program in your computer along with the EPSON Photo!3 software. If you have not yet installed these programs, do so now, following the instructions in “Installing the Software” on page 1-1.

Uploading images from your PC

Follow these steps to upload images to the memory card in your camera from a PC running Windows 95, Windows 98, or Windows NT version 4.0 or later. To upload images from a Macintosh, see “Uploading images from your Macintosh” on page 3-4.

1. Make sure EPSON Photo!3 is not running on your computer. Connect your camera to the computer. See “Connecting the Camera to Your Computer” on page 1-1.

2. Open your EPSON Photo File Uploader3 program. Click Start, point to Programs, point to EPSON Photo File Uploader3 Ver.1, then click EPSON Photo File Uploader3. The Upload To Camera menu appears.



3. Select a file type from the File Type list, and select the folder containing the images you want to upload from the Drive list and Folder list. Then double-click your selected folder. File names appear in the File Name box.

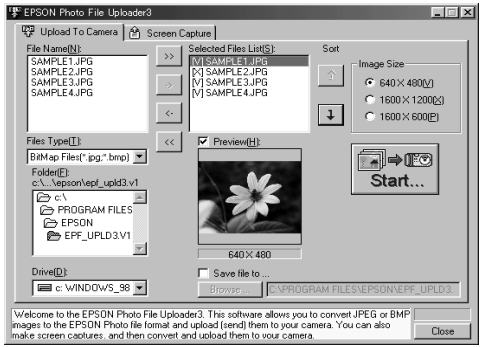
   Note:
   To upload images from a network drive, you may need to map the drive before opening EPSON Photo File Uploader3.

4. Select the images you want to upload in the File Name list. Then click the -> button. If you want to upload the images in the list all at once, simply click the >> button.

The selected files appear in the Selected Files List box in the order they will be uploaded. If you want to change your selection, click the <- button to remove selected files or click the << button to remove all the files from the Selected Files List box. These buttons are disabled when more than one file is selected.

If you want to rearrange the uploading order, select the image you want to rearrange, then click the ↑ or ↓ Sort arrow.

5. For each file in the Selected Files List box, select an image size from the Image Size box.



During the uploading process, EPSON Photo File Uploader3 converts your files to EPSON Photo file format with the image sizes you specified.

6. If you want to save copies of the converted files on your computer, select the Save file to check box before uploading the photos. Click Browse, then select the folder where you want to save the files.

7. Click OK. The folder you selected is displayed to the right of the Browse button.

8. Turn the camera's dial switch to .

9. Click Start to begin uploading the photos.

Note:
If you want to preview a selected image and confirm its size, select the Preview *check box.*

If you selected the Save file to check box in the EPSON Photo File Uploader3 window, the converted images are also saved to the folder you specified.

3

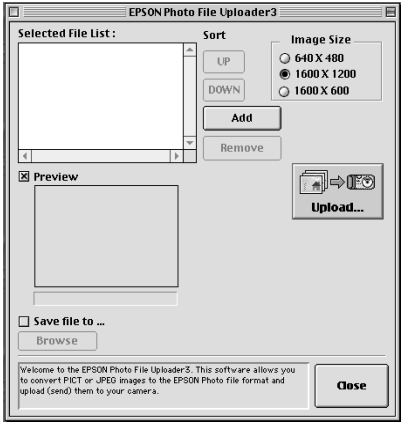
EPSON Photo!3 starts with thumbnails of uploading images are appeared. Then you are going to upload images to the memory card in your camera. Make sure to select Upload to the camera and click OK. To cancel your job, click Cancel.

Uploading images from your Macintosh

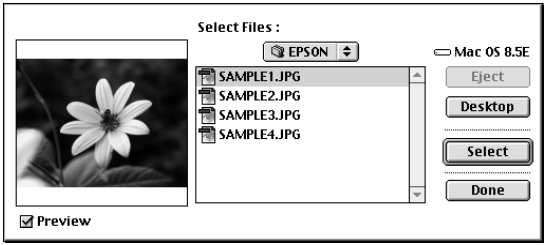
You need System 7.5 or later to upload images to your camera from your Macintosh.

1. Make sure EPSON Photo!3 is not running on your computer. Connect your camera to the computer. See "Connecting the Camera to Your Computer" on page 1-1.

2. Double-click the EPSON Photo File Uploader3 icon in the EPSON Photo File Uploader3 Ver.1 program group or folder. The EPSON Photo File Uploader dialog box appears.



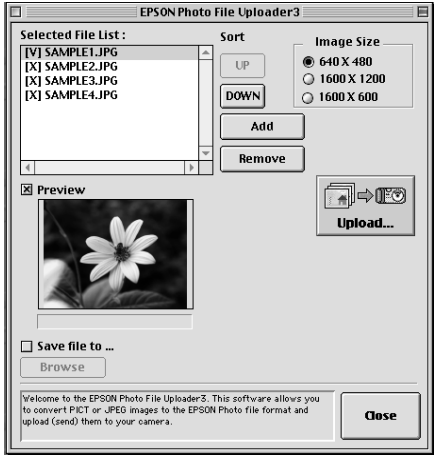
3. Click Add. The Select Files dialog box appears. Double-click the folder containing the images you want to upload, then select each file you want to upload and click Select.



When you finish selecting image files, click Done to close the Select Files dialog box. The selected images appear in the Selected Files List box in the order they will be uploaded.

If you want to remove files from this list, select the files and click Remove.

4. For each file in the Selected Files List box, select an image size in the Image Size box.



During the uploading process, EPSON Photo File Uploader3 converts your files to EPSON Photo file format in the image sizes you specified.

5. If you want to save copies of the converted files on your computer, select the Save file to check box before uploading the photos. Then click Browse and select the folder where you want to save the files. Click OK. The folder you selected is displayed to the right of the Browse button.

6. Turn the camera's dial switch to .

7. Click Start to start uploading the photos.

   Note:
   If you want to preview a selected image and confirm its size, select the Preview *check box.*

   If you selected the Save file to check box in the EPSON Photo File Uploader3 window, the converted images are also saved to the folder you specified.

8. Thumbnails appear of the images that will be uploaded to your camera's memory card. Make sure Upload to the camera is selected, and click OK. EPSON Photo File Uploader3 begins uploading the images to your memory card.

   To stop uploading, click Cancel.

Making screen copies

You can make copies, or "screen shots," of the images that appear on your computer screen, then save those images to your camera's memory card. This allows you to include documents you make with your computer in a slide show with your camera, or transfer image files of your documents using a memory card.

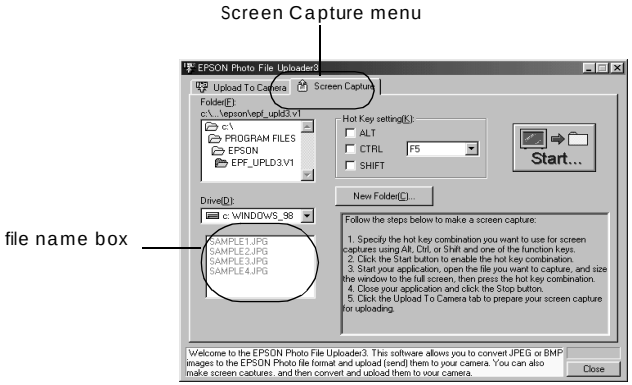
For Windows users

To make screen shots using EPSON Photo File Uploader3, follow these steps.

1. Make sure EPSON Photo!3 is not running on your computer. Connect your camera to the computer.

2. To open your EPSON Photo File Uploader3 program, click Start, point to Programs, point to EPSON Photo File Uploader3 Ver.1, then click EPSON Photo File Uploader3.

3. Click the Screen Capture tab. The Screen Capture menu appears.



4. Select the folder containing the images you want to upload using the Drive list and Folder list. Then double-click the folder where you want to save the screen capture. File names appear in the file name box.

   If you need to create a new folder for the images, click New Folder and name a folder.

   Note:
   To select a folder located on a network drive, you may need to map the drive before opening EPSON Photo File Uploader3.

5. Specify the key combination you want to use for screen captures using the Hot Key settings box. Select the ALT, CTRL, or SHIFT check box, then select a key from the hot key list. The default hot key is the F5 key.

6. Click Start to register the key combination. When the key combination is registered, the Start button changes to a Stop button. The key combination remains registered only for the current session. Pressing the Stop button erases the hot key combination.

7. Start your application and open the file you want to capture, then press the hot key combination you selected.

   You can make as many screen captures as you like; simply open each file you want to capture and press your screen capture key combination again.

   Note:
   File names are created automatically.

8. When you are finished making screen captures, close your application. Then click the Stop button in the Screen Capture menu. The key combination you selected is erased.

If you want to upload your screen captures to the camera right away, click the Upload To Camera tab. The screen capture files appear in the file name box. To upload the screen shots, follow the uploading directions in "Uploading images from your PC" on page 3-2.

For Macintosh users

EPSON Photo File Uploader3 for the Macintosh does not have a screen shot feature. However, you can make screen shots using your Macintosh system software, then use EPSON Photo File Uploader3 to upload the screen shots to your camera.

The instructions below are representative of many Macintosh computers, but the procedure may be different depending on your Macintosh. See your computer documentation for detailed instructions on making screen shots.

Follow these steps to make screen shots on your Macintosh.

1. Make sure EPSON Photo!3 is not running on your computer. Connect your camera to the computer.
2. Double-click the EPSON Photo File Uploader3 icon. The EPSON Photo File Uploader window appears.
3. Start your application and open the file you want to capture, then press SHIFT + COMMAND + 3 on your computer keyboard. Your Macintosh names and saves the entire screen image on your hard drive.

   Note:
   In OS 8 or later, you can also make a screen shot of any part of the screen image, rather than the whole screen image. Press SHIFT + COMMAND + 4, then click the window you want to copy, or drag the cursor to make a box around the area of the screen you want to copy.

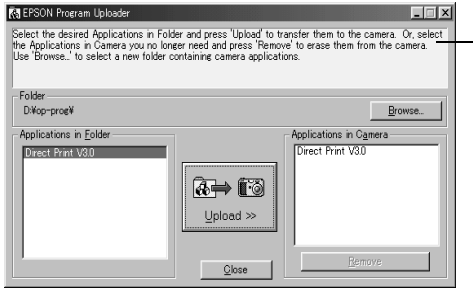
   You can make as many screen shots as you like; simply repeat this step.
4. When you are finished making screen shots, close your application.

To upload your screen shots to the camera, click the EPSON Photo File Uploader3 window to make it active, then follow the uploading instructions in "Uploading images from your Macintosh" on page 3-4.

Using EPSON Program Uploader

The EPSON Program Uploader utility allows you to upload optional programs from your PC or Macintosh to your camera. You can upload up to five programs to the PhotoPC 800.

Note:
EPSON Program Uploader is installed automatically when you install EPSON Photo!3.



This area provides helpful information on the operation and use of optional programs.

Uploading programs

Follow these steps to upload optional programs to the camera.

Note:
You can also upload programs directly from the CompactFlash memory card in your camera. See your PhotoPC 800 User's Guide for instructions.

1. Make sure EPSON Photo!3 is not running on your computer. Connect your camera to the computer.
2. Turn the camera's dial switch to ☎.
3. Click or double-click the EPSON Program Uploader icon in the EPSON Photo!3 program group or folder. The EPSON Program Uploader window appears.

   Note:
   If a message appears indicating the camera is not properly connected to the computer, check the cable connection and make sure the camera's dial switch is set to ☎. Then click OK.
4. Click Browse and select the folder that contains the programs you want to upload.
5. Select the programs you want to upload from the Applications in Folder list.
6. Click Upload. EPSON Program Uploader begins uploading the selected programs.

When the uploading process is finished, the uploaded programs appear in the Applications in Camera list.

7. Click Close to quit the program.

You can now use the programs in your camera. See your *PhotoPC 800 User's Guide* for instructions on opening the programs.

Removing programs

Follow these steps to remove optional programs from the camera.

Note:
You can also remove programs by using the camera itself. See your PhotoPC 800 User's Guide for instructions.

1. Make sure EPSON Photo!3 is not running on your computer. Connect your camera to the computer.
2. Turn the camera's dial switch to ☎.
3. Click or double-click the EPSON Program Uploader icon in the EPSON Photo!3 program group or folder. The EPSON Program Uploader window appears.

Note:
If a message appears indicating the camera is not properly connected to the computer, check the cable connection and make sure the camera's dial switch is set to ☎. Then click OK.

4. Click the programs you want to remove in the Applications in Camera list.
5. Click Remove. A confirmation message appears.
6. Click OK. The selected programs are removed from the camera and from the Applications in Camera list.
7. Click Close to quit the program.

Chapter 4

Troubleshooting

Your camera's software is easy to use, and any problems you may have can be solved quickly and easily.

See the following section to solve problems with EPSON Photo!3.

Software Problems

The EPSON Photo!3 Setup menu appears instead of the Camera menu when you connect the camera to your computer and open EPSON Photo!3.

Make sure the cable is connected correctly, as described in “Connecting the Camera to Your Computer” on page 1-1.

Make sure the camera’s dial switch is set to .

When you use Controls tab, make sure to open the lens cover and set the dial switch to or .

Make sure the batteries have enough power and are installed correctly.

Check the port settings on the Setup menu of your EPSON Photo!3 software. You may need to change the Port and Speed connection settings to Auto. See “Changing computer connection settings” on page 2-17 for detailed instruction.

Check that the port to which your camera is connected is properly configured, and that the Base I/O port address and the Interrupt Request Number (IRQ) assigned to the port are not in conflict with other devices.

If you are using a Macintosh and serial cable, and the camera is sharing a serial port with another device, make sure AppleTalk is inactive.

If you are using a Macintosh and a USB cable, make sure PhotoPC 800 USB Driver file is active.

An error message appears when you are using EPSON Photo!3 while the camera is connected to the computer.

Make sure the cable is connected correctly, as described in "Connecting the Camera to Your Computer" on page 1-1.

Make sure the camera's dial switch is set to .

When you use Controls tab, make sure to open the lens cover and set the dial switch to or .

Make sure the batteries have enough power and are installed correctly.

Make sure the computer has enough memory and disk space.

Check the port settings on the Setup menu of your EPSON Photo!3 software. You may need to change the Port and Speed connection settings to Auto. See "Changing computer connection settings" on page 2-17 for detailed instruction.

Avoid opening or working with applications unrelated to the photo transfer process while the camera and computer are communicating.

Note:
While the camera and computer are communicating, star icons move across the camera's display panel.

Reinstall EPSON Photo!3

For Windows Users

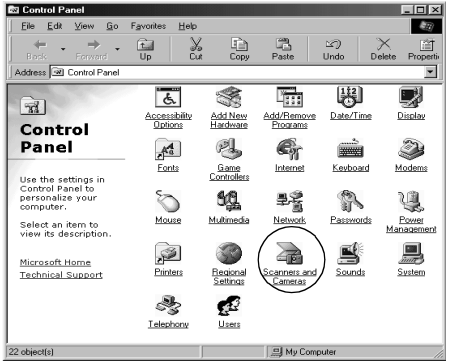
First you need to remove the EPSON Photo!3 currently installed. Follow these steps to remove the program.

When connected with a serial cable

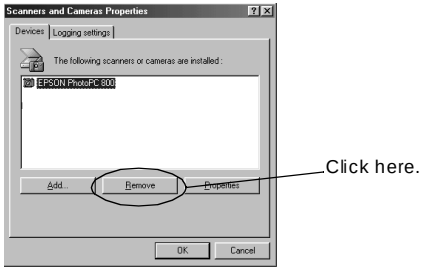
1. Click Start, point to Programs, point to EPSON Photo!3 Ver.1, then click Uninstall.
2. Click OK to uninstall.
3. After the program is uninstalled, click OK.
4. Restart the computer, then install EPSON Photo!3 again. See "Installing EPSON Photo!3 for serial cable users" on page 1-7 to install the program.

When connected with a USB cable

1. Connect the camera and computer with USB cable, then turn the camera's dial switch to .
2. Click Start, point to Settings, and click Control Panel. Then double-click the Scanners and Cameras icon on the control panel.



3. The following dialog box appears. Select PhotoPC 800, then click the Remove button.



4

Now you are ready to remove the EPSON Photo!3 program. Follow the step in “When connected with a serial cable” on page 4-3 to remove the program. Then install the program again. See “Installing EPSON Photo!3 for USB users” on page 1-6 to install the program.

For Macintosh users

You do not need to remove EPSON Photo!3 before reinstalling. Just install EPSON Photo!3 again. See “Installing EPSON Photo!3” on page 1-8.

Glossary

application
A software program that helps you carry out a particular task, such as word processing or financial planning.

black and white
Images represented only by the intensity of luminosity.

BMP
A Windows file format for storing image data.

bps (bits per second)
A measure of data transmission speed.

default
A value or setting that takes effect when the equipment is turned on, reset, or initialized. Also known as a factory setting.

drag-and-drop
Method for moving an on-screen object by holding the pointer over the object, pressing and holding the mouse button, dragging the mouse, then releasing the mouse button to drop the object in a new location.

Design rule for camera file system
Recording standard for image files. This standard has been established by Japan Electronic Industry Development Association (JEIDA).

Exif2.1
Standard format for audio/image files. This standard has been established by Japan Electronic Industry Development Association (JEIDA).

grayscale
Images represented with various shades of gray in addition to black and white.

interface
The connection between the computer and the camera.

JPEG
A file format for storing color and grayscale images in compressed files. Data in JPEG files receives greater compression than TIFF and other formats.

OLE
A way to transfer and share information between Windows-based applications.

PCX
A file format for storing color and grayscale images.

PICT
A file format widely used for Macintosh graphics.

pixel
Short for picture element. Each image is composed of a number of pixels. Pixels are also counted in units of dots.

port
An interface channel through which data is transmitted between devices.

resolution
Indication of how finely an image is resolved into pixels. Often measured in dots per inch (dpi) or pixels per inch (ppi).

thumbnails
Small representations of images.

TWAIN
A type of interface protocol that makes input peripherals, such as scanners or digital cameras, easier to access directly from application programs.

USB
A Universal Serial Bus. A hardware interface for connecting low-speed peripherals such as a keyboard, mouse, scanner, or printer to the computer.

USB hub
A device that normally provides four TYPE A sockets to increase the number of USB ports on a computer.

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