IMPORTANT!

You need to reinstall EPSON® Image Authentication System™ (IAS) on your camera if it was installed before your camera was repaired. Please see your *EPSON Image Authentication System User's Guide* for instructions.

IAS software lets you check the authenticity of photos taken with your EPSON Photo PC® 700, 750Z, 800, or 850Z camera. IAS detects when even a single bit of digital data in a picture has been altered. If you don't have IAS installed on your camera and would like to learn more about it, call **1-800-GO EPSON**, or visit our website at **http//www.epson.com**.

CPD 8424R1

EPSON®

PhotoPC® 800

2 MEGAPIXEL DIGITAL CAMERA

User's Guide

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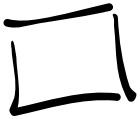

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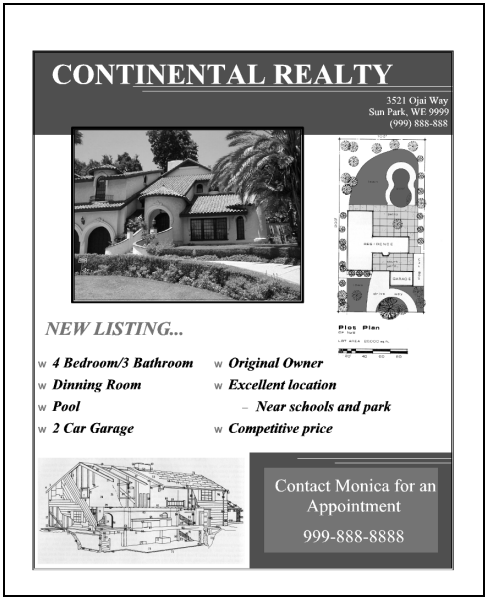
Introduction



Your new EPSON® PhotoPC® 800 is a high resolution, two megapixel, USB and serial digital camera small enough to fit in your pocket, purse, or briefcase. It includes three different user modes with three levels of control: fully automatic point-and-shoot for the beginner photographer, and increasing levels of control for intermediate and expert photographers.

The PhotoPC 800 comes with a built-in microphone that lets you add voice messages to your photos, and an LCD screen so you can view your pictures before and after you capture them. You can display your images on a TV or multimedia projector, or transfer them to your computer. You can even upload pictures, text, and graphics into your camera, and play them back for presentations.

The PhotoPC 800 captures images at 1600 × 1200 pixel resolution in 24-bit color, using a 2.14 megapixel CCD sensor. With EPSON's HyPict™ image enhancement technology, the images can be interpolated to 1984 × 1488 pixels right inside the camera.

Your PhotoPC 800 comes complete with cables, batteries, battery charger, soft camera case, handstrap, and 8MB CompactFlash™ memory card. It also comes with a CD-ROM with software and utilities for downloading, editing, organizing, and printing your pictures.

PhotoPC 800 Features

PhotoPC 800 is a complete system for capturing digital images, and includes the following features:

- 2.14 million pixel CCD sensor
- Resolutions of 1600 × 1200 pixels, and up to 1984 × 1488 pixels (interpolated) using EPSON's HyPict image enhancement technology
- 24-bit color or grayscale image capture
- High-speed image processing (one second per image in quick shot mode)
- 8MB EPSON CompactFlash card that holds approximately 24 fine-resolution or 120 standard-resolution images
- Built-in microphone that lets you record a voice message of up to 10 seconds for each picture
- 1.8-inch, active matrix TFT color LCD screen that supports instant preview, playback, delete, and power save mode
- Capability to print directly to several EPSON ink jet printers—without using a computer
- Video output for playing your pictures back on a TV, VCR, or projector
- Macro, 2× digital zoom, panorama, quick shot mode, and interval and continuous shooting

- Adjustments for white balance, exposure, sensitivity, aperture, shutter, and focus
- Built-in flash with a slow synchronized mode for night photography
- Four rechargeable NiMH AA batteries and a fast charger
- Automatic shut-off to save batteries
- Automatic date and time recording for each picture
- Serial and USB cables for transferring photos to your Windows® or Macintosh® computer
- Fully USB-compatible

Your camera comes with the PhotoPC 800 software suite, which includes the following applications for both PC and Macintosh users:

- Sierra Imaging Image Expert™ software for transferring, organizing, editing, and printing your pictures
- The EPSON Photo!3™ application and TWAIN driver for transferring your pictures
- EPSON Photo File Uploader for converting presentation slides into image files and uploading them to your camera
- EPSON Photo Program Uploader for installing the Direct Print program on your camera (Direct Print lets you print directly from the camera to a number of EPSON ink jet printers)

Optional Accessories

EPSON offers these accessories for the PhotoPC 800:

- Universal AC adapter (B867062) for use with any standard (100 to 240 V) electrical outlet
- Additional or replacement NiMH rechargeable batteries (B818061)
- Additional or replacement universal NiMH Power Pak, which includes batteries and charger (B818172)
- EPSON Image Authentication System™ (IAS) software (PPC8–IAS)

You can also obtain additional CompactFlash memory cards and PCMCIA adapters from leading suppliers, such as Lexar Media™ and SanDisk.®

Minimum System Requirements

To transfer images to your computer and edit them, make sure your system meets these minimum requirements:

Windows Systems

- IBM®-compatible PC with 486 or higher processor
- Microsoft® Windows 98, Windows 95, or Windows NT® 4.0 (Service Pack 3 or later recommended)
- Serial port with standard RS-232C interface (19200 bps or higher), or USB support for Windows 98 computer with built-in USB port.
- At least 32MB RAM
- Double-speed CD-ROM drive
- At least 40MB free hard disk space
- VGA or SVGA monitor with at least 256-color display
- Mouse or other pointing device
- 16-bit sound card and speakers (for voice annotation feature only)

Macintosh Systems

- One of the following systems:

  Macintosh PowerPC™ with System Software Version 7.5 or later

  Power Macintosh® G3 with System Software Version 8.51 or later

  iMac™ computer with System Software Version 8.1 with iMac Update 1.0

- At least 32MB RAM
- At least 30MB free hard disk space
- CD-ROM drive
- VGA monitor with minimum resolution of 640 × 480
- Macintosh modem/printer serial port (19200 bps, or higher) or built-in USB port on an iMac or new Power Mac G3
- 16-bit sound card and speakers (for voice annotation feature only)

NOTE

*If your iMac is running OS 8.1, you **must** download and install the iMac Update 1.0 from Apple at http://swupdates.info.apple.com before you install the PhotoPC 800 software. Contact Apple Computer if you have problems installing this update or if you have any questions. If your iMac is running OS 8.5, you **do not** need to download and install the iMac Update 1.0. Your operating system already includes full support for the PhotoPC 800 software. (To find out which operating system your iMac is running, select **About This Computer** in the Apple menu.)*

Where To Get Help

EPSON provides technical assistance through electronic support services and automated telephone services 24 hours a day.

The following tables list the contact information:

Electronic support services

Service	Access
World Wide Web	From the Internet, you can reach EPSON's Home Page at **http://www.epson.com**.
EPSON Internet FTP Site	If you have Internet FTP capability, use your Web browser (or other software for FTP downloading) to log onto **ftp.epson.com** with the user name **anonymous** and your e-mail address as the password.
EPSON Forum on CompuServe®	Members of CompuServe can type **GO EPSON** at the menu prompt to reach the Epson America Forum. For a free introductory CompuServe membership, call (800) 848-8199 and ask for representative #529.

Automated telephone services

Service	Access
EPSON SoundAdvice℠	For pre-recorded answers to commonly asked questions about EPSON products 24 hours a day, seven days a week, call **(800) 922-8911**.

Automated telephone services

Service	Access
EPSON FaxAdvice™	Access EPSON's technical information library by calling **(800) 922-8911**. You must provide a return fax number to use this service.
EPSON Referral Service	For the location of your nearest Authorized EPSON Reseller call **(800) 922-8911**.

To speak to a technical support representative, dial **(310) 974-1983** (U.S.), or **(905) 709-3839** (Canada), 6 AM to 6 PM, Pacific Time, Monday through Friday. Toll or long distance charges may apply.

Before you call, please have the following information ready:

- Product name
- Product serial number
- Computer configuration
- Description of the problem

You can purchase manuals and accessories from EPSON Accessories at **(800) 873-7766** (U.S. sales only). In Canada, please call **(800) 873-7766** for dealer referral. Or visit our website at www.epsonsupplies.com (U.S. sales only).

Software Support

If you are having problems with a software application included with the camera, you can call one of the following numbers for technical support:

- **(800) 501-8902** for Sierra Imaging Image Expert software questions. Available weekdays 9 AM to 5 PM, Pacific Time. Or e-mail **support@sierraimaging.com**. Worldwide support number is (831) 461-4710.
- **(310) 974-1983** for the EPSON Photo!3 application and TWAIN driver, the EPSON Photo File Uploader, the EPSON Photo!3 Program Uploader, and the Direct Print software.

Software Licensing

You can install EPSON Photo!3, the EPSON Photo File Uploader, and the EPSON Photo!3 Program Uploader on multiple computer systems. If you want to install Image Expert on multiple computer systems, please contact Sierra Imaging at (800) 501-8902 regarding the licensing fee.

Registration

Please take a minute to fill out the registration card for the PhotoPC 800 digital camera and mail it back to us. This enables you to receive special information on accessories, new products, and software upgrades. You'll get immediate attention if you have a problem with your PhotoPC 800.

Safety Instructions

Read all of these instructions before using your camera and battery charger. Also follow all warnings and instructions marked on the camera, battery charger, and batteries.

- To reduce the risk of electric shock, do not remove the camera's cover or open any of the compartments except as instructed in this *User's Guide*.
- To prevent fire or electric shock, do not insert objects through any openings in the camera or battery charger. Do not expose the camera or battery charger to rain or moisture.
- To prevent fire or explosion, do not use the camera or battery charger where inflammable or volatile gas is stored.
- If the camera shows unusual signs such as noise, odor, or smoke, turn it off immediately. Remove the batteries and/or disconnect the AC adapter, and unplug the AC adapter from the electrical outlet.
- If the battery charger shows unusual signs such as noise, odor, or smoke, unplug it immediately.
- To avoid damage to the optics of the camera, do not expose the lens to direct sunlight for extended periods of time.
- Do not use the charger near water. Never insert or remove the charger's power plug with wet hands.
- Keep the charger away from heat sources. Do not use outside the temperature range of 32 to 95 °F (0 to 35 °C).
- Do not use the charger within reach of children.
- Do not insert batteries backwards.
- Use only the types of power sources listed on the charger label and in this *User's Guide*. Always supply power to the charger directly from a standard domestic electrical outlet.
- Do not charge the batteries using an electrical outlet on an airplane.

- Do not use the camera outdoors during adverse weather conditions.
- Do not store the camera near sources of bright light, direct sunlight, high humidity, heat, excessive dirt or dust, or where it will be exposed to strong vibrations or magnetic fields.
- To prevent possible eye injury, do not take flash pictures of faces at close range.
- Avoid sudden temperature changes, which can cause moisture to condense on the camera. Keep the camera in a case or bag if you need to move it from a cold environment to a warm one. Allow time for the camera and its optional accessories to adjust to temperature changes before using them.
- Do not use a frayed or damaged power cord with the AC adapter.
- Remove batteries and/or unplug the camera and the AC adapter and refer servicing to qualified service personnel under the following conditions: if the power cord or plug is damaged; if liquid has entered the camera; if the camera has been dropped or its exterior has been damaged; if the camera or its optional accessories do not operate normally or exhibit a distinct change in performance.
- Adjust only those controls that are covered by the operating instructions.
- Do not attempt to service the camera or battery charger yourself. Refer all servicing to qualified service personnel.
- If the liquid crystal solution contained in the display panel or in the LCD screen leaks out and gets on your hands, wash them thoroughly with soap and water. If it gets in your eyes, flush them immediately with water.

1 Getting Started

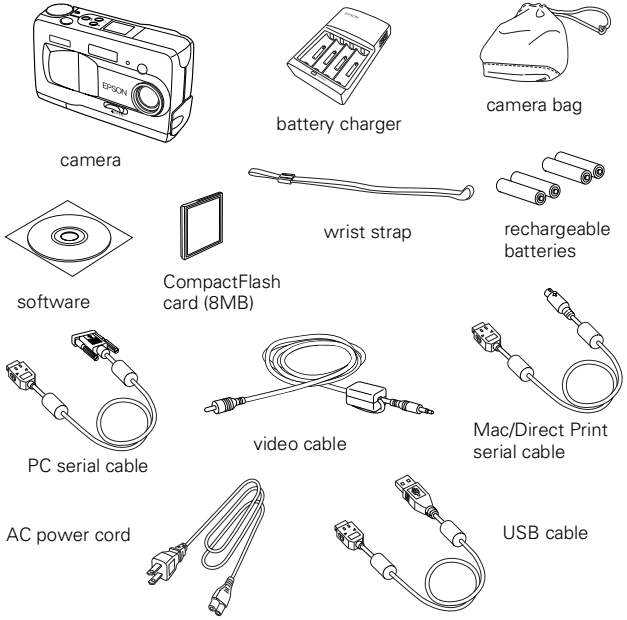
Before you can start using your PhotoPC 800, you need to charge the batteries. You should also be familiar with all the camera components.

This chapter describes the following:

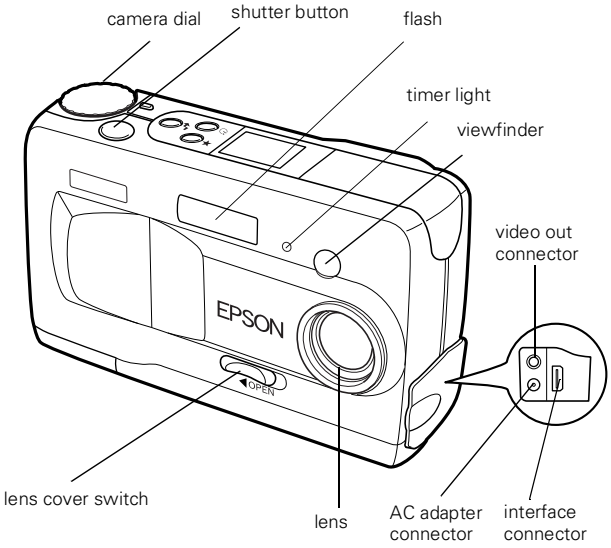
- Unpacking your PhotoPC 800
- Identifying camera parts
- Using rechargeable NiMH batteries
- Attaching the wrist strap
- Using the CompactFlash memory card
- Setting the date and time
- Installing your PhotoPC 800 software

Unpacking Your PhotoPC 800

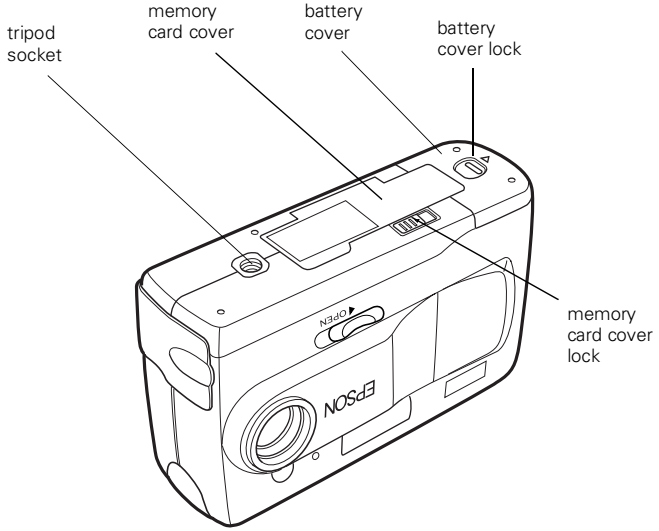
Make sure you have all the parts shown below.



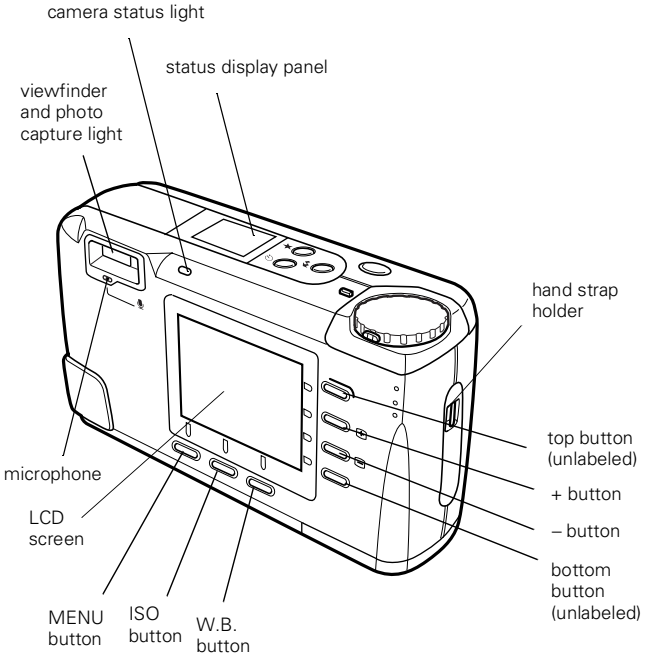
Identifying Camera Parts



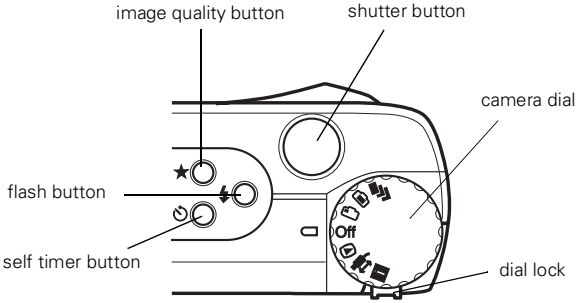
front view



bottom view



back view



top view

Using Rechargeable NiMH Batteries

Your PhotoPC 800 comes with a charger and four rechargeable NiMH batteries that can be recharged hundreds of times. While you use two batteries in your camera, you can keep a replacement set of batteries charged and ready to take along.

NOTE

New batteries need to be fully charged three times before you use them. This process takes approximately five or six hours—but you only need to do it once. When you need to recharge your batteries in the future, it takes approximately two and a half hours for a full charge.

Charging Batteries

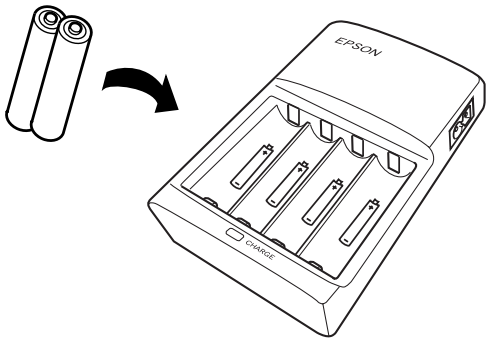
It's important to fully charge your batteries, so they will last as long as possible before they need recharging.

WARNING

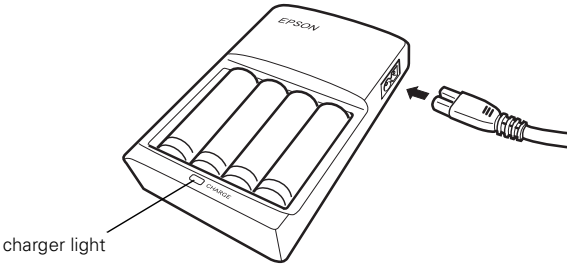
Shock hazard. Make sure you use the charger only with EPSON rechargeable NiMH batteries (model EU-24). To avoid the danger of leakage or explosion, do not place any other batteries in the charger. Read all safety and handling instructions in the Introduction of this guide before using the charger.

Follow these steps to charge your batteries for the first time:

1 Insert two or four batteries, positioning the + and – ends as shown.



2 Connect the battery charger to the battery charger power cord, as shown below.



3 Plug the charger into an electrical outlet. The charger light turns red, indicating that the charger is working. When the batteries are charged, after about two and a half hours, the light goes off.

NOTE

The charger light flashes to indicate changes in battery temperature and voltage. If the light continues to flash for more than half an hour, the batteries may be damaged or worn out, and should be replaced. Unplug the charger if the batteries are not fully charged after four hours.

4 Now charge your batteries again by unplugging the battery power cord and then plugging it in again.

5 Charge the batteries a third time. After the charger light goes off, unplug the charger. To avoid overcharging, don't leave the charger plugged in for long periods of time after the light goes off.

6 Wait one hour until the batteries cool before removing them from the charger.

7 Before storing the charger, disconnect the power cord and remove the batteries.

(For subsequent charges of your NiMH rechargeable batteries, follow steps 1 through 3, then unplug the charger and follow steps 6 and 7 above.)

Be sure to charge the batteries completely to make them last as long as possible. They can be recharged hundreds of times, so do not dispose of them until they are worn out.

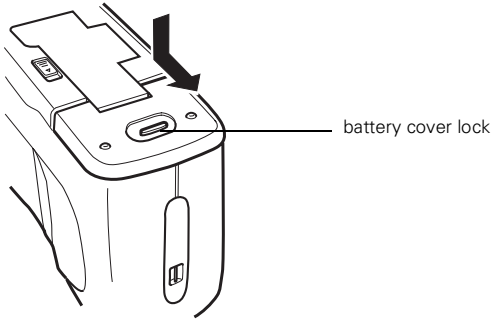
NOTE

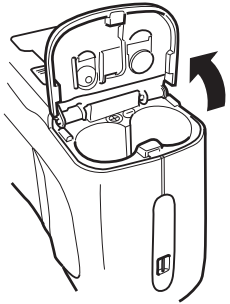
To keep the charger terminals clean, unplug the charger and wipe the terminals with a dry cloth. Make sure you charge the batteries before you use them. If you find that your batteries run out faster after you recharge them a few times, make sure you discharge them completely before recharging. If this doesn't help, replace the batteries.

Installing Batteries

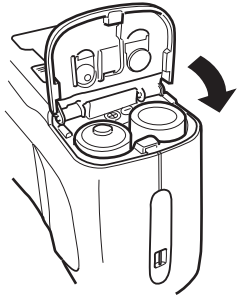
Before you install the batteries, make sure the camera is turned off.

1. Turn the camera upside down.
2. Hold the battery cover lock down and slide the cover out to open it.

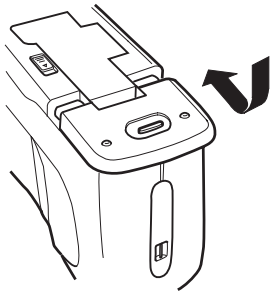




3 Insert two batteries into the compartment, positioning the + and – ends as shown below.



4 Lower the battery cover and slide it in, as shown below.



When the battery power is almost out, a low battery icon appears on the camera's display panel. Be sure to replace both batteries at the same time.

Battery Options

If you forget to charge your rechargeable NiMH batteries or if they need to be replaced, the PhotoPC 800 camera can also accept the following:

- Rechargeable AA NiCad batteries
- Single-use AA lithium batteries (longer life, Energizer® recommended)

WARNING

To avoid the danger of fire or explosion, do not mix different types of batteries. Do not allow the battery contacts to touch metal objects such as coins or keys, which could short out the battery's circuits. Read all safety and handling instructions before using batteries.

Note the following when handling batteries:

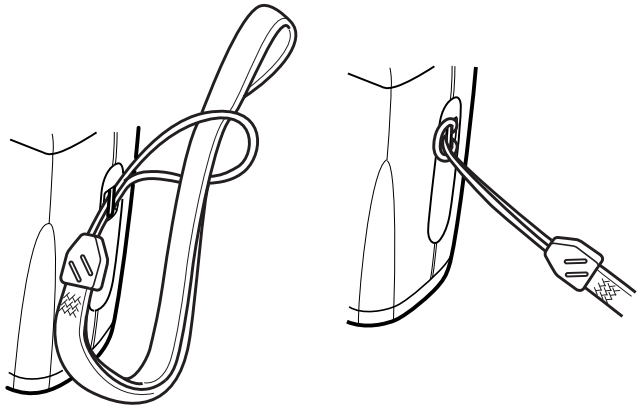
- Use only the EPSON battery charger (Model EU-38) to charge the batteries that came with your camera.
- Use the batteries that came with your camera only in EPSON digital cameras.
- Do not use manganese batteries.
- Do not mix different types of batteries; this can cause fire or explosion.
- Replace both batteries at the same time. Do not mix old and new batteries.
- Batteries that have not been used for a long time do not charge well. However, with regular use, the batteries will return to normal.
- Batteries discharge at least 2% per day, whether they are used or not.
- If the batteries are charged in a hot environment, or if they are charged repeatedly without being discharged, they will wear out more quickly.
- Do not drop, puncture, disassemble, or mutilate batteries. Do not get them wet or expose them to fire.
- When the camera is not used for long periods of time, remove the batteries and store them at a low temperature in a dry location. Store away from the reach of children.

- To avoid fire or electric shock, do not use batteries that are leaking or damaged in any way.
- If battery acid gets in your eyes or on your skin, immediately rinse the area with water and seek medical treatment. If a battery is swallowed, seek medical treatment immediately.
- Dispose of used batteries according to the manufacturer's instructions and in compliance with all applicable laws. Contact your local government agency for information about battery recycling and disposal.
- Battery life varies depending on the battery type, the manufacturer, and other factors.

Attaching the Wrist Strap

To attach the wrist strap, follow these steps:

1. Push the loop on the end of the strap through the small opening in the holder on the side of the camera. (You may need to use a small pointed object, such as the tip of an untwisted paper clip, to push it through.)
2. Pull the strap through the loop and tighten, as shown below.

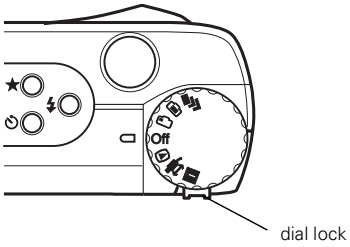


Installing Your Memory Card

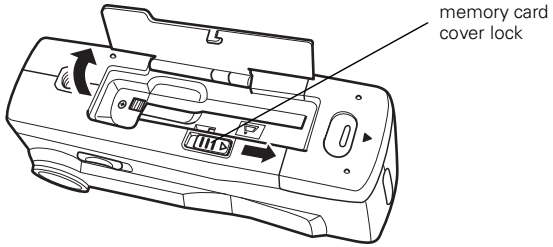
Your camera comes with an 8MB CompactFlash memory card that you need to install before you take any photos. Since there is no internal camera memory for storage, this card will store your photographs until you transfer them to your computer.

You can purchase additional memory cards (4MB to 96MB) from leading suppliers like Lexar Media and SanDisk. See page A-2 for more information.

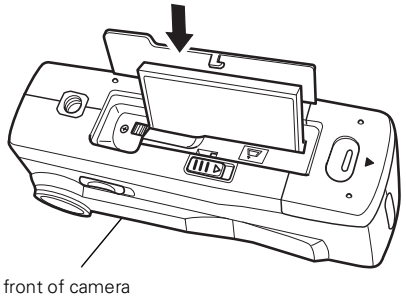
1 Make sure the camera dial is turned to **Off** and the lens cover is closed. (To change the dial setting, press the white dial lock in and turn the dial.)



2 Turn the camera upside down and open the memory card cover by sliding the memory card cover lock in the direction of the arrow, as shown below.



3 Insert the card all the way into the memory card slot. Make sure the front of the card is facing the front of the camera, and the arrow on the card's label is pointing down.



4 Close the memory card cover.

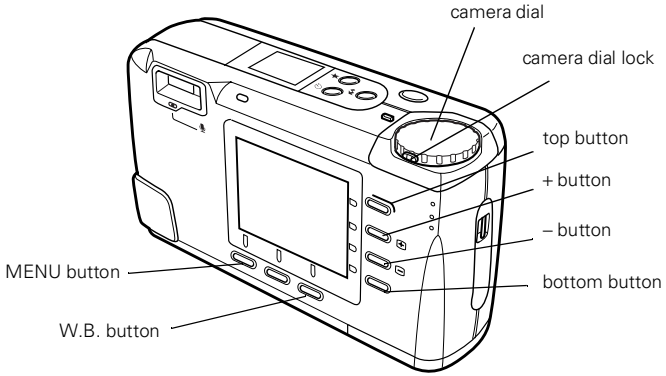
Next, you need to set the camera's date and time in preparation for formatting the memory card.

Setting the Date and Time

Before you use the camera, you need to set its clock. Then the camera will automatically record the date and time for each picture you take. You may need to set the clock again if you don't use it for extended periods of time.

NOTE

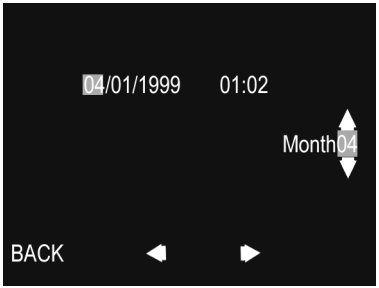
You can also set the camera's clock through your computer. See page 6-1 for instructions on connecting the camera to your computer, and page 10-5 for instructions on setting the date and time.



Follow these steps to set the date and time:

1 Push the camera dial lock in and turn the camera dial to i.

2 You see the clock setting screen with the month highlighted in red.



3 Press the + or – button (next to the up and down arrows) to increase or decrease the number, until the month is correct.

4 Press the W.B. button (below the right arrow) to move through the day and year, and make adjustments as described in the previous step.

5 When you're finished, press the MENU button (under BACK). You see the SETUP menu.

6 Turn the camera dial Off.

Now you're ready to format the memory card.

Formatting Your Memory Card

You should format your card before you use it. Follow these steps:

1 Turn the camera dial to i. Then press the W.B. button (below Memory SETUP). The Memory Card Format menu appears if a memory card is installed in the camera.

2 Press the top button (next to MEMORY CARD FORMAT) to format the card. You see a message warning you that all data on the card will be deleted if you format it.

3 Press the button next to Yes to format the card, or the button next to No to cancel.

Removing Your Memory Card

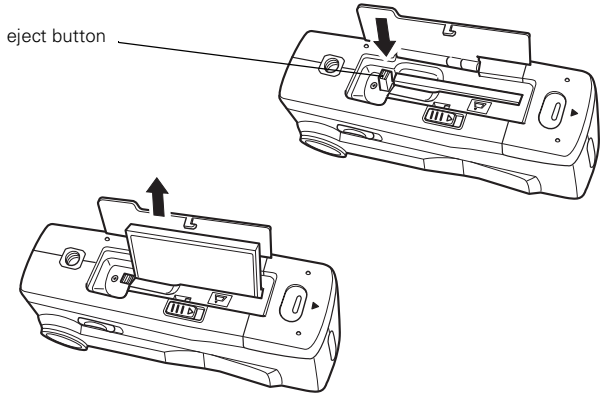
Turn your camera dial to Off before you remove the card.

CAUTION

Never remove the card while the camera is on. Data in the card may be lost or damaged.

1 Open the memory card cover.

2 Press the eject button next to the memory card and remove the card by hand. Then close the cover.



Installing Your PhotoPC 800 Software

PhotoPC 800 comes with everything you need to transfer your pictures from the camera to your computer, organize, enhance, and share your images, and insert them into documents. You can also upload pictures and presentations to your camera. The PhotoPC 800 CD-ROM has these applications for your Windows or Macintosh computer:

- Sierra Imaging Image Expert
- EPSON Photo!3 TWAIN and standalone application, and EPSON Photo!3 Program Uploader
- EPSON Photo File Uploader

Follow the steps in the appropriate section below to install the software on your computer.

Installing for Windows 98, Windows 95, or Windows NT 4.0

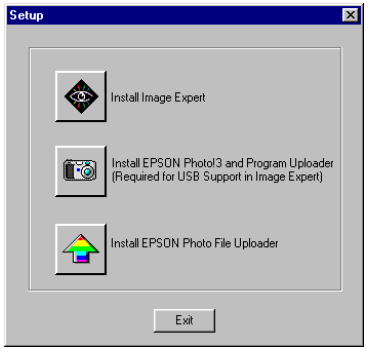
Follow these steps:

1. Insert the CD-ROM in your drive. The Setup program starts automatically.

   If it doesn't start automatically, double-click **My Computer**. Then double-click your CD-ROM icon.

2. On the first screen, select the language you want to use.

3. When you see the following screen, click the **Install Image Expert** button.



4. Follow the instructions on the screen to install Image Expert. When installation is complete, you return to the Setup screen.
5. Click the button labeled **Install EPSON Photo!3 and Program Uploader** and follow the instructions on the screen.
6. When you return to the Setup screen, click the **Install EPSON Photo File Uploader** button. Follow the instructions on the screen.
7. When installation is complete, click **Exit**.

Your camera software is now installed.

Installing Your Windows 98 USB Driver

If you're installing on a Windows 98 system with a USB port, complete the steps above to install your software. The first time you connect the camera to your computer with your USB cable, you'll see the Add New Hardware Wizard. Click **Cancel**. (See page 6-2 if you need help connecting the camera.)

NOTE

You may need your Windows 98 system disk to perform this installation.

Follow these steps to install the driver for your camera:

1. Insert your PhotoPC 800 CD-ROM in your CD-ROM drive, if necessary.
2. At the first screen, click **Next**.
3. Select **Search for the best driver for your device**, then click **Next**.
4. Select **Specify a location** and browse to your CD-ROM drive.
5. Select the **Win98E** folder if you're installing the English driver (or the **Win98S** folder to install the Spanish driver, or the **Win98F** folder to install the French driver). Click **OK**.

6 On the following screen, click Next. The wizard locates your camera's driver.

7 Click Next on the installation screen to install the driver. When installation is complete, click Finish.

Your camera software is now installed.

Installing on a Macintosh

Follow these steps:

1 Insert the CD-ROM in your drive.

2 If necessary, double-click the CD-ROM icon to open it.

3 Open the folder for the language you want to use.

4 Double-click the Install Image Expert icon. Click Continue and follow the instructions on the screen.

5 When you're done installing Image Expert, click Restart to restart your computer.

6 Open the folder for your language, then open the EPSON Photo!3 Ver. 1 folder.

7 Double-click the Photo!3 Installer – Part 1 icon. Click Continue and follow the instructions on the screen. When installation is complete, click Restart to restart your computer.

8 Open the folder for your language. Then copy the EPSON Photo File Uploader folder to the EPSON Photo!3 Ver. 1 folder on your hard drive.

NOTE
To create the preferences for the EPSON Photo File Uploader, start, then close the EPSON Photo!3 *program on your hard drive. You need these preferences to run Photo File Uploader.*

Your camera software is now installed.

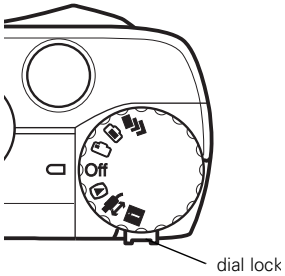
2 Taking Pictures

Taking pictures with the PhotoPC 800 is similar to using a traditional "point and shoot" auto focus camera. This chapter gives you all the basic information you need to start taking pictures, including the following:

- Using the camera dial
- Reading the status display panel
- Taking pictures with the viewfinder
- Taking pictures with the LCD screen

Using the Camera Dial

The camera dial has an Off position and six other settings: three for taking pictures, and three for performing other functions, such as setting up your photos or playing them back on the LCD screen.



When Off is selected, press the white dial lock in to turn the dial. (You don't need to press the dial lock in when another setting is selected.)

Camera dial settings include the following:

Use this setting for continuous and interval shooting. See pages 4-10 through 4-13 for details.

Use this setting to take photos with the LCD screen. See Chapter 4 for information about how to change settings in the View menus.

Use this setting to take photos with the optical viewfinder. See page 2-4 for details.

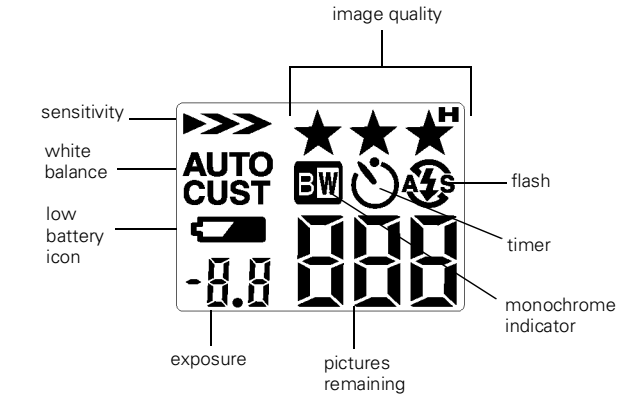
Use this setting to play back, delete, and add voice recording to your photos. See Chapter 5 for details.

Use this setting to print directly from your camera to an EPSON ink jet printer. See Chapter 12.

Use this setting to set up or view information about your camera on the Setup screen. See Chapter 4 for information.

Reading the Status Display Panel

When your camera dial is turned to , , or , the status display panel shows the camera's current settings and how many additional pictures you can take.



Checking the Battery

When your battery power is almost out, the low battery icon appears on the display panel. The icon flashes when your battery power is completely out.

You need to recharge or replace the batteries or use the optional universal AC adapter when you see the low battery icon. Although you may be able to use the camera with low batteries, it needs full battery power to operate reliably.

Several factors can affect battery life, including the surrounding temperature and the type of batteries you use. Low temperatures—especially below 50 °F (10 °C)—drain batteries faster. See page 1-4 for battery use instructions.

Checking the Picture Counter

The large number in the lower right of the status display panel shows how many additional pictures you can take.

This number is affected by the image quality setting. Also, if you have any voice recordings stored on your memory card, the number on the display panel may be greater than the actual number of remaining pictures.

When the memory card is full, the number on the display panel reads 0, the status light on the back of the camera flashes red, and you can no longer use the shutter button. Before you can take any more pictures, you need to delete some of the images on the memory card. (See page 5-4 for instructions.)

If you want to save your photos before you delete them, connect the camera to your computer and transfer the pictures as described in Chapter 6.

Instead of the number of pictures remaining, you may see one of the following in the lower right corner of the status display panel:

In quick shot mode, the number of photos taken is displayed in brackets.

In Program or Manual mode, the exposure value appears on the left and the shutter speed appears on the right when you hold the shutter button down halfway. See page 4-2 for more information about user modes.

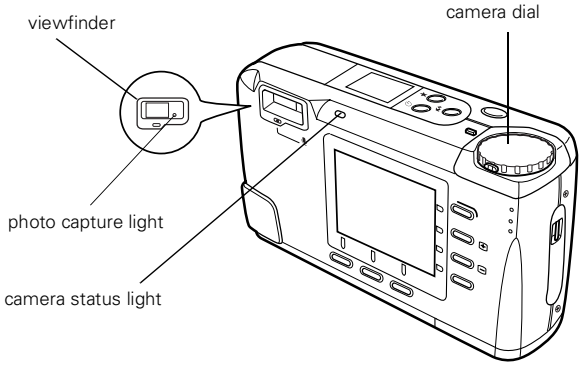
When you turn the camera's dial to ▮, SEt is displayed. No other information appears in the status display panel.

When you make a voice recording, rEc appears in this space.

When you take photos using the interval shooting feature, Int appears in the display panel.

Taking Pictures With the Viewfinder

You can capture an image as you would with any point-and-shoot auto-focus camera: look through the optical viewfinder and press the two-step shutter.



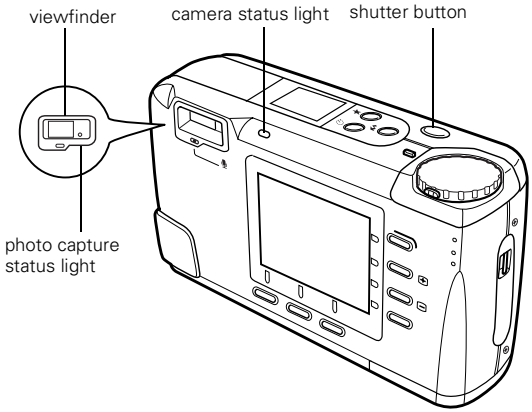
NOTE

One advantage of the optical viewfinder is that it uses less battery power than taking pictures with the LCD screen. However, you can't use the optical viewfinder when you make voice recordings or use the panorama or digital zoom features.

Follow these steps:

1. Make sure you are at least 20 inches (50 cm) away from your subject. (If you want to get closer, use macro mode as described on page 4-7.)
2. Slide the lens cover switch to open the lens cover. Then turn the camera dial to 🗀 and wait until the status light turns green.
3. Look straight through the viewfinder and center your subject within the cross-hairs.

NOTE
The frame in the viewfinder indicates the area captured when taking pictures at close range.



4. Use the camera's controls to make any changes you want to image quality, the flash, or other basic settings. (See Chapter 3 for information about changing settings when taking pictures with the viewfinder.)
5. Hold the shutter button halfway down to lock the auto focus.

While holding down the shutter button, you can reframe your picture and move your subject off-center if you want. The photo capture status light stops flashing when the lens locks in focus.

6 Press the shutter button the rest of the way down to take the picture.

7 Hold the camera still until it beeps, then release the shutter button.

NOTE

You may notice a brief delay between the time you press the shutter button and when the camera beeps. To avoid blurring your images, make sure you hold the camera still until it beeps.

After you take a picture, the photo capture status light flashes. This indicates that the image was captured and the camera is processing it. When the light stops flashing, the image is saved.

CAUTION

If you set the camera down while the light is still flashing, make sure you handle it carefully. The camera may lose your image if you set it down too hard.

Saved images remain on the memory card even when you turn the camera off or remove the memory card or the batteries.

Taking Pictures With the LCD Screen

The LCD screen lets you see a live preview of what the camera's lens sees at any moment. Although you can use this setting anytime, you always choose it when you want to use the panorama or digital zoom features, or when you want to make voice recordings to go with your photos.

NOTE

Before you begin to take pictures, you can use the LCD menus to turn recording on and make many other adjustments to your camera. See Chapter 4 for details.

Follow these steps:

1. Make sure you are at least 20 inches (50 cm) away from your subject. (If you want to get closer, use macro mode as described on page 4-7.)

2. Slide the lens cover switch to open the lens cover. Then turn the camera dial to 📷 to see the View menu. Wait until the camera status light turns green.

   You see a preview of your picture on the LCD screen, with the image quality setting in the upper left corner of the screen and the digital zoom setting in the upper right.

The following screen illustrates what you see if your camera is set to Full Auto user mode, the default user mode. The settings may look different if you're using Program or Manual user mode. See Chapter 4 for details about user mode.

NOTE

If you're using batteries, the camera shuts off automatically after a designated period of inactivity. (The default is 10 seconds. See page 4-26 for instructions on setting the power off interval.) If the image on your LCD screen disappears, press the shutter button to "wake" the camera.

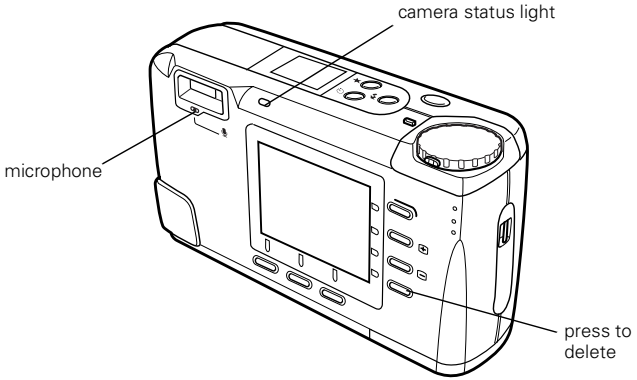
3 Using the preview image to guide you, make any final changes to the settings on the View menu. See Chapter 4 for details.

NOTE

You can also use the camera's buttons to change the image quality, flash, or timer. See Chapter 3.

4 Center your subject on the screen, then press the shutter button halfway down to lock the auto focus.

The camera status light stops flashing and you see a green circle ● on the screen when the lens locks in focus. While you hold the shutter button down, you can reframe your picture if you want.



5 Press the shutter button the rest of the way down to take the picture.

6 Hold the camera still until it beeps. Then release the shutter button. (You may notice a brief delay between the time you press the shutter button and when the camera beeps. To avoid blurring your images, make sure you hold the camera still until it beeps.)

After a few seconds, you see a confirmation screen.

NOTE

You can press the button next to **Delete** *if you don't want the picture. You can also delete pictures in playback mode. (See Chapter 5 for details.)*

When the camera status light stops flashing, you're ready to take another picture. Or, if you've turned recording on, you see a countdown of the recording time on the screen. During this time, you can record a message into the built-in microphone on the back of the camera. (See page 4-13 for more information on recording a message.)

NOTE

- *The LCD screen uses up battery power quickly. If it's idle for more than the designated power off interval, the camera turns off automatically. To turn it back on, press the shutter button, or turn the camera dial to* Off *and then back to* 📷. *See page 4-26 for instructions on changing the power off interval.*
- *Even if you don't speak into the microphone, your camera records ambient noise when recording is turned on, and your images take up more space on the memory card. To fit more images on your memory card, make sure you turn recording off when you no longer want to use it.*

3 Using the Camera Buttons to Change Settings

You use the camera's buttons to set the flash, enable the timer, and set image quality. You can also make quick adjustments to other basic settings, which gives you greater control of your images when you're taking pictures with the viewfinder. This chapter explains the following:

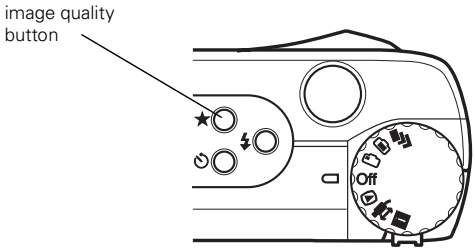
- Setting image quality
- Using the flash
- Taking pictures with the timer
- Adjusting the sensitivity setting
- Adjusting the white balance setting
- Adjusting the exposure setting

Setting Image Quality

The PhotoPC 800 has four image quality (resolution) settings. Press the image quality button on top of the camera to cycle from one setting to the other.

NOTE

The camera dial must be turned to , , or .



The image quality icons appear on the status display panel as described below.

Standard

★ Produces color or black and white images at 640 × 480 pixels. The CompactFlash card holds approximately 118 standard image quality pictures without audio recordings, but the image size is smaller and includes less detail when enlarged. This setting is good for pictures that are viewed on screen or on the Web.

Fine

★★ Produces color or black and white images at 1600 × 1200 pixels, with moderate compression. Your pictures include ample detail, and the CompactFlash card holds approximately 25 pictures without audio recordings.

Super Fine

★★★ Produces color or black and white images at 1600 × 1200 pixels with low compression. Your pictures include greater detail, and the CompactFlash card holds approximately 12 pictures. With less compression, super fine images are better for enlarging.

HyPict

★★★H Produces color or black and white images at 1984 × 1488 pixels (interpolated) with moderate compression. Your pictures include excellent detail, and the CompactFlash card holds approximately 10 HyPict pictures. These images are best for enlarging for 8 × 10-inch prints.

Using the Flash

The camera's built-in flash is effective within a range of 1.6 to 11.2 feet (0.5 to 3.4 m), or 6 inches to 1.6 feet (15 to 50 cm) when using the macro feature. Press the flash button to cycle through the four flash settings.

NOTE

The camera dial must be turned to , , or .

An icon for each setting appears on the status display panel, as shown below:

Auto

The flash goes off automatically whenever it's needed for adequate lighting (factory setting).

Forced Flash

The flash goes off with every picture you take. Use this setting to compensate for backlighting; for example, when you are facing a light source.

Flash Off

The flash is disabled, even when adequate lighting is not available. Use this setting for special effects, where flash photography is prohibited, or for macro mode close-ups.

Slow Synchronized Flash

To light up the background as well as your subject, use the slow synchronized flash mode when taking pictures at night. This option causes the aperture to stay open longer, allowing more light to enter the camera.

NOTE

Slow synchronized flash is available only in the Program or Manual user modes. See page 4-2 for information about changing the user mode.

After you take a flash picture, the icon blinks until the flash is fully recharged. Your flash setting remains in effect even after you turn off the camera.

TIPS

- *When you're using the flash off setting, hold the camera steady or use a tripod to avoid capturing blurry images.*
- *When you're taking pictures outdoors, make sure the sun is at your back. In very bright light (at the beach or in snow, for example), your pictures may come out too light. You can adjust the exposure manually to darken an image before you capture it. See page 4-22 for instructions. Alternatively, you can use Image Expert or other image editing software to correct over-exposure problems after you take the picture. See Chapter 9 for details about editing photos.*

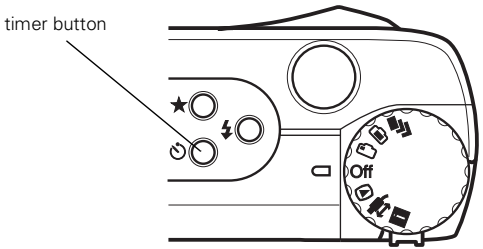
Taking Pictures With the Timer

Setting the timer creates a 10-second delay between the time you press the shutter button and the actual image capture. This allows you to take a picture of yourself.

You can also combine continuous shooting with the timer for delayed automatic capture of ten images in ten seconds. This allows you to photograph yourself in motion. (See page 4-11 for more information.)

Follow these steps to take a single picture with the timer:

1. Secure the camera on a flat surface or on a tripod. (See page A-4 for information on attaching the camera to a tripod.)
2. Open the lens cover.
3. Turn the camera's dial to . Then wait until the photo capture status light turns green.
4. Press the timer button on the top of the camera. The timer icon appears in the status display panel.



5 Press the shutter button. The timer icon and the red timer light on the front of the camera flash slowly for eight seconds. Then they flash rapidly for two seconds before the shutter is released.

The camera beeps when the image is captured. The status light on the back of the camera flashes green as the PhotoPC 800 processes the image(s).

NOTE

To cancel a picture after you've pressed the shutter button, press the shutter button again, or press the button.

Making Advanced Adjustments

You can also use the camera's buttons to adjust the sensitivity, white balance, and exposure settings. However, you must be in Program or Manual mode to make these adjustments. See page 4-2 for instructions on changing the user mode.

NOTE

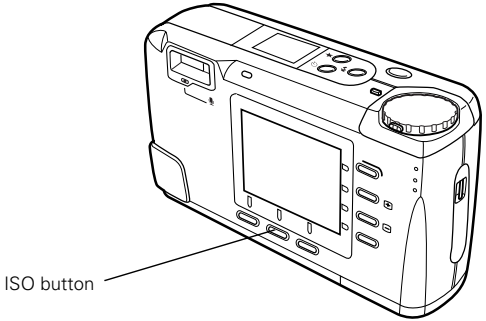
- *You can also use the LCD screens to adjust sensitivity, white balance, and exposure. See Chapter 4 for details.*
- *The camera dial must be turned to , , or to change settings using the camera buttons.*

Adjusting the Sensitivity Setting

The camera's high sensitivity settings let you take pictures in low light or indoors without the flash. With these settings, you can set the sensitivity from the camera's standard ISO equivalent of 100 to an ISO equivalent of 200 or 400.

You can also use the high and super high sensitivity settings when taking pictures of fast-moving subjects, or when shooting distant subjects with a flash. Since image quality is lower when you use higher sensitivity settings, the standard setting is recommended for most photos.

Press the ISO button on the back of the camera to cycle through the three sensitivity settings.



The arrow icons in the upper left corner of the status display panel indicate the sensitivity setting:

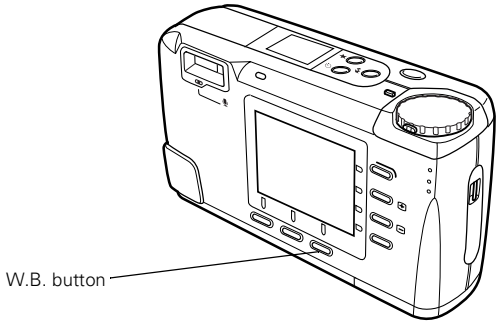
- The standard setting is equivalent to ISO 100. This is the recommended setting for most photos.
- The high sensitivity setting is equivalent to ISO 200.
- The super high sensitivity setting is equivalent to ISO 400.

Adjusting the White Balance Setting

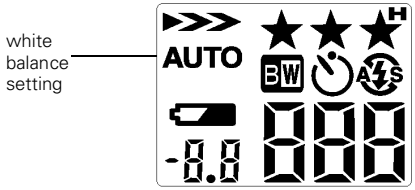
Normally the PhotoPC 800 adjusts the white balance of your pictures automatically. This means that both outdoor and indoor pictures have accurate colors, without a “bluish” or “yellowish” appearance.

However, you can have the camera use a fixed white balance for a warmer appearance under fluorescent lighting or for special effects, such as a red-tinted sunset. You can also customize the white balance setting.

Press the W.B. button on the back of the camera to cycle through the three white balance settings.



The setting, which appears in the status display panel next to the W.B. mark, remains in effect while you take pictures.



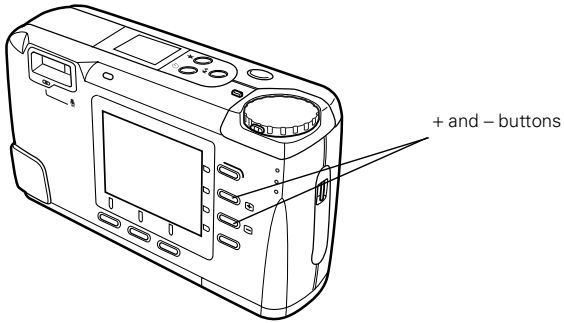
The PhotoPC 800 includes the following white balance settings:

AUTO	Adjusts the white balance of your photos automatically. This is the recommended setting for most pictures.
FIX	Locks the white balance setting at 5200 °K. (This setting is similar to normal daylight.)
CUST	Lets you define a custom white balance setting. See page 4-21 for more information about photographing with a user-defined white balance.

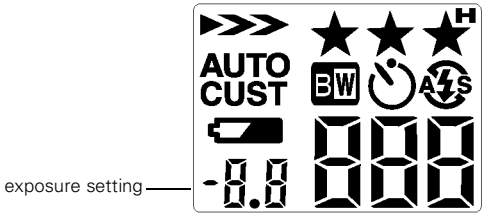
Adjusting the Exposure Setting

Your camera normally adjusts exposure automatically. However, if you want to lighten or darken a photo before you take it, you can adjust the exposure manually.

Press the + or – button on the back of the camera to increase or decrease the exposure setting. (The range for this setting is –2.0 to +2.0.)



The setting appears in the status display panel next to the +/– mark and remains in effect while you take pictures.

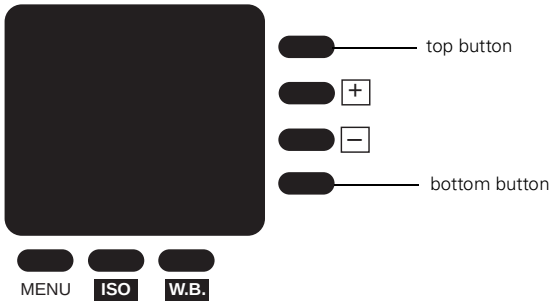


4 Using the LCD Menus to Change Settings

The LCD menus let you preview your pictures while you make your camera settings. This chapter explains the following:

- Choosing the user mode
- Taking color or black and white pictures
- Taking quick shots
- Taking digital zoom pictures
- Taking close-ups with macro mode
- Taking digital panoramic pictures
- Using continuous and interval shooting
- Adding voice recordings to pictures
- Using programmed subject settings
- Adjusting the sensitivity setting

- Adjusting the white balance setting
- Adjusting exposure
- Adjusting the focus manually
- Changing the metering method
- Setting camera options (automatic power off, LCD brightness, alert beep, language, and time and date)



NOTE

If you're using batteries, the camera shuts off automatically after a designated period of inactivity. If the image on your LCD screen disappears and your camera dial is set to i*, press any button on the back of the camera to "wake" the camera. If your dial is set to* *or* *, press the shutter button to wake the camera.*

Choosing the User Mode

The PhotoPC 800 has three user modes to fit the needs of beginner, intermediate, and expert photographers. Each mode gives you a different amount of control over the camera settings, whether you're using the LCD screen or the viewfinder to take pictures. To use the more advanced features, such as white balance and exposure adjustment, you must be in Program or Manual mode.

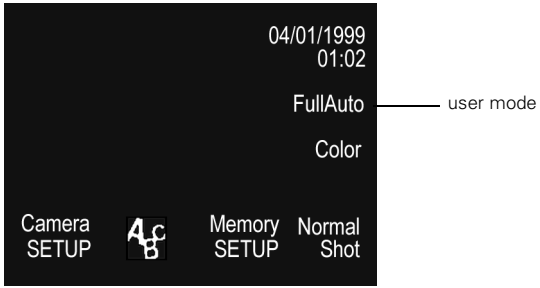
Full Auto The camera chooses settings for you. This mode, which is the default, is recommended for the beginning photographer. You can simply point and shoot, or you can still adjust some basic settings if you want (for example, image quality, digital zoom, and macro or panoramic mode).

Program This setting is recommended for the intermediate photographer who wants a moderate amount of control over the camera's functions. Programmed subject settings (Normal, Sports, Portrait, and Landscape) tailor your camera settings to the type of picture you're taking. You can also use the LCD menus to make your own adjustments to sensitivity, white balance, and exposure.

Manual This setting is for experienced photographers who want complete control over the camera's wide array of settings and features. In addition to changing sensitivity and white balance, you can adjust the shutter speed and aperture, choose a spot or divided brightness metering system, and focus the camera to three feet, eight feet, or infinity.

Follow these steps to choose the camera mode:

1. Push the camera dial lock in and turn the dial to . You see the SETUP menu.



2. Press the + button to cycle through the three modes.

Taking Color or Black and White Pictures

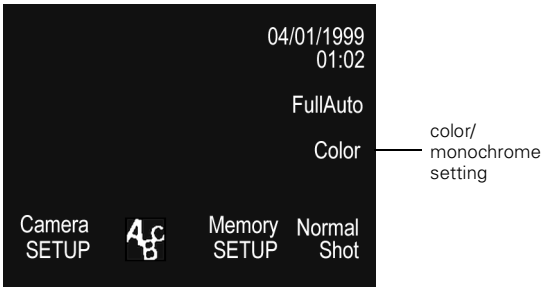
You also use the SETUP menu to switch between color and black and white pictures.

NOTE

There is no difference between the file sizes of color and black and white pictures when you take pictures with the LCD screen.

Follow these steps:

1 Turn the camera dial to i. You see the SETUP menu.



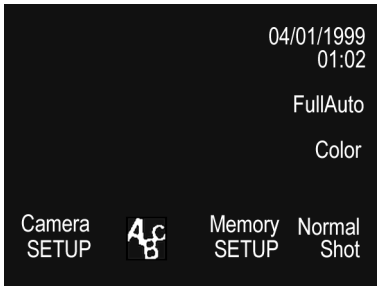
2 Press the – button to change the setting.

Taking Quick Shots

After taking a picture, the PhotoPC 800 normally takes a few seconds to process and save the image in the installed memory card. In quick shot mode, the camera stores up to 10 images internally in temporary storage while you keep taking pictures. It saves the images to the CompactFlash card after you're done.

Follow these steps to use quick shot mode:

1 Turn the camera dial to i. You see the SETUP menu. (Normal Shot appears in the bottom right corner of the screen.)



2 Press the bottom button (next to Normal Shot) to select Quick Shot.

3 Slide the lens cover switch to open the lens cover.

4 Turn the camera dial to or and wait until the camera status light turns green. The image quality icon ★ on the status display panel flashes, indicating that quick shot mode is enabled.

5 Press and hold the shutter button to begin taking pictures. When you're finished, release the button.

The bracketed number on the status display panel indicates the number of pictures temporarily saved to the camera.

NOTE

- *You can't use quick shot mode when battery power or CompactFlash card memory is low.*
- *HyPict image quality is disabled in quick shot mode.*
- *When using quick shot mode, you can only make an audio recording for the last image.*

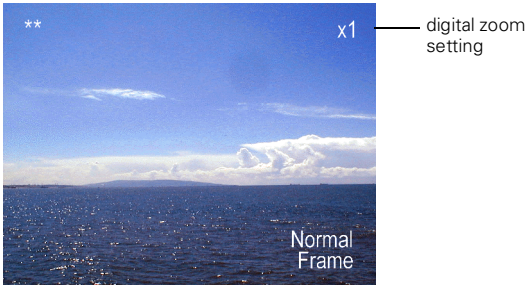
Taking Digital Zoom Pictures

Digital zoom pictures are magnified two times (2×). This format is like a digital version of telephoto. The automatic cropping effect makes file sizes smaller, allowing you to store more pictures in the digital zoom format.

This setting is available for all user modes (Full Auto, Program, and Manual).

1 Open the lens cover and turn the camera dial to 🎥.

You see the View menu. The current digital zoom setting appears in the upper right corner.



NOTE

This View menu illustrates what you see if your user mode is set to **Full Auto**. *Your View menu will look different if the user mode is set to* **Program** *or* **Manual**.

2 Press the top button (next to the ×1).

The words **DIGITAL ZOOM** appear on your LCD briefly. A yellow frame appears around the previewed image, and the digital zoom setting changes to ×2.

3 Press the shutter button halfway to lock the auto focus.

When the lens locks in focus, the camera status light stops flashing and you see a green circle ⭘ on the screen. If you want, you can reframe your picture while you hold the button down.

4 Press the button all the way down to capture the image.

The zoom format remains active until you change it or turn off the camera.

NOTE

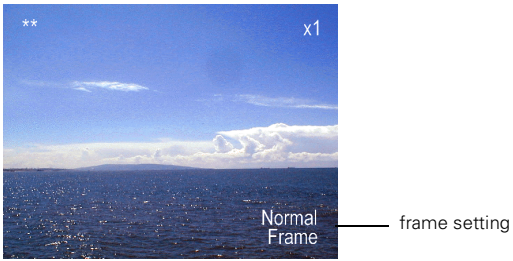
Since the digital zoom mode crops the image and magnifies it, it's best to print the image in a smaller format.

Taking Close-Ups With Macro Mode

You can use the camera's macro mode to take pictures as close as 6 inches (15 cm). This setting is available for all user modes (Full Auto, Program, and Manual).

Follow these steps:

1 Open the lens cover and turn the camera dial to . You see the View menu.



NOTE

This View menu illustrates what you see if your user mode is set to **Full Auto**. *Your View menu will look different if the user mode is set to* **Program** *or* **Manual**.

2 Press the bottom button (next to the current frame setting).

For a few seconds, the word MACRO appears on the LCD screen, and a green frame appears around the previewed image. Also, the macro mode icon appears in the lower right corner of the screen.

3 Press the shutter button halfway to lock the auto focus.

When the lens locks in focus, the camera status light stops flashing and you see a green circle on the screen. If you want, you can reframe your picture while you hold the button down.

4 Press the button all the way down to capture the image.

Macro mode remains active until you change it or turn off the camera.

NOTE

When you take macro close-ups, you should use a tripod (as described in Appendix A) and disable the flash. Otherwise, your pictures may appear blurry and washed out.

Taking Digital Panoramic Pictures

Images in the panoramic format are long and narrow, although they are not captured at a wider angle than normal images. Strips at the top and bottom of the image area are cropped out. Smaller file sizes mean you can store more pictures in the panorama format.

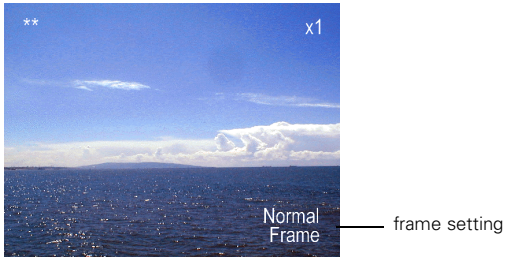
NOTE

You can't select standard ★ image quality when taking panoramic pictures. For more information about image quality, see page 3-1.

You can take panoramic pictures using any user mode (Full Auto, Program, or Manual). Follow these steps:

1 Open the lens cover and turn the camera dial to ▭.

You see the View menu. The current frame setting appears in the lower right corner.



NOTE

This View menu illustrates what you see if your user mode is set to **Full Auto**. *Your View menu will look different if the user mode is set to* **Program** *or* **Manual**.

2 Press the bottom button (next to the current setting) to cycle through the frame settings (Normal Frame, Macro, and Panorama).

For a few seconds, the word PANORAMA appears on the LCD screen, and a black frame appears around the previewed image. Also, the panorama mode icon appears in the lower right corner of the screen.

3 Press the shutter button halfway to lock the auto focus.

When the lens locks in focus, the camera status light stops flashing and you see a green circle on the screen. If you want, you can reframe your picture while you hold the button down.

4 Press the button all the way down to capture the image.

The Panorama format remains active until you change it or turn off the camera.

The following examples show the same subject captured in normal, digital zoom, and digital panorama formats:

normal

digital zoom

digital panorama

Continuous Shooting

In this mode, you can take two standard or fine resolution pictures each second, with up to ten pictures in sequence (or one super fine resolution picture per second, with up to eight pictures in sequence). You can capture a complex motion, such as a golf swing, in a series of steps to create animation sequences for the Internet, screen savers, or presentations. Continuous shooting is available for all user modes.

NOTE

You can't use the flash for continuous shooting, so make sure you have adequate lighting for your pictures. In addition, you can't select the HyPict image quality setting.

1. Make sure you are at least 20 inches (50 cm) away from your subject.
2. Open the lens cover, then turn the camera dial to . Wait until the camera status light turns green.

   You see a preview of your picture on the LCD screen, with a red frame around it. CONTINUOUS appears on the screen.
3. Center your subject in the red frame.
4. Press and hold the shutter button all the way down. The camera beeps as it captures each picture.
5. When the camera has captured the first sequence of pictures, it stops beeping and the camera status light flashes. Release the shutter button.

NOTE

If you continue to hold down the shutter button after the first sequence of pictures, the camera will take a second sequence. The camera will continue to take pictures until the memory card is full.

Continuous Shooting Using the Timer

You can also combine continuous shooting with the timer for delayed automatic capture of a series of images. This allows you to photograph yourself in motion.

NOTE

You can capture 10 standard or fine resolution images or 8 super fine resolution images in eight seconds.

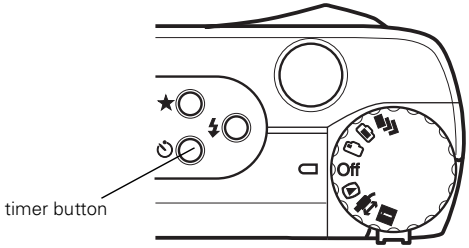
1 Secure the camera on a flat surface or on a tripod. (See page A-4 for information on attaching the camera to a tripod.)

2 Open the lens cover, then turn the camera dial to . Wait until the camera status light turns green.

You see a preview of your picture on the LCD screen, with a red frame around it. CONTINUOUS appears on the screen.

3 Center your subject in the red frame.

4 Press the timer button.



The timer icon appears on the status display panel to indicate that the timer is enabled.

5 Press the shutter button.

You have 10 seconds to get ready for “action” in front of the camera.

The timer icon and the red timer light on the front of the camera flash slowly for eight seconds. Then they flash rapidly for two seconds before the shutter is released.

The camera beeps each time it captures an image, and the timer light on the front of the camera flashes as the images are processed.

Interval Shooting

You can use this time lapse feature to capture scenes that change over time, such as a sunset or a busy street corner. Your camera lets you set a time interval from 10 seconds to 24 hours. Interval shooting is available for all user modes.

NOTE

When you're adding audio recordings or taking pictures with HyPict image quality, the shortest time interval available is 20 seconds.

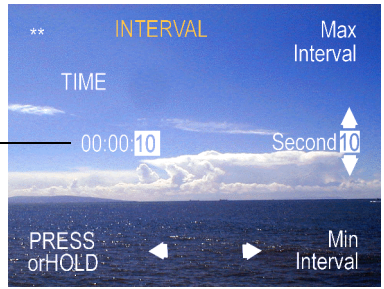
Follow these steps to use the time lapse feature:

1 Secure the camera on a flat surface or on a tripod. (See page A-4 for information on attaching the camera to a tripod.)

2 Open the lens cover, then turn the camera dial to . Wait until the camera status light turns green.

You see a preview of your picture on the LCD screen, with a red frame around it. CONTINUOUS appears on the screen.

3 Hold down the MENU button (under PRESS or HOLD) until you see the following screen:



time lapse interval setting

The current setting for the time lapse interval (hours, minutes, and seconds) appears in the center of the screen, with seconds highlighted.

4 Press the + or – button (next to the up and down arrows) to change the highlighted setting, then press the ISO button (under the left arrow) to move to the next setting and repeat the process. Continue until you've set the correct interval.

NOTE

You can also choose the maximum interval (24 hours) by pressing the top button (next to Max Interval*), or the minimum interval (10 seconds) by pressing the bottom button (next to* Min Interval*).*

5 Press the shutter button to take the first picture.

The camera turns off automatically after you take the first picture, then turns on again after the selected interval to take the next photo.

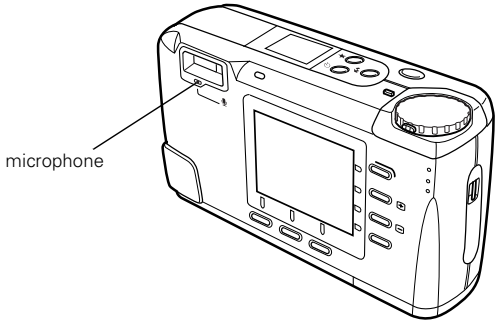
6 To stop taking pictures, turn the camera's dial to Off.

Adding Voice Recordings to Pictures

Your camera has a built-in microphone that lets you add a voice recording of up to 10 seconds to each photo. You can make a recording immediately after shooting a photo, or add it later. (For information about adding a recording later, see page 5-8.) You can make voice recordings in any user mode.

NOTE

You can't record a message when taking a picture with the optical viewfinder or when taking a picture in Quick Shot mode.



Follow these steps to add a recording right after taking a picture:

1 Turn the camera dial to ▮ to display the SETUP menu.

2 Press the MENU button (under Camera SETUP). You see the Camera SETUP menu. The current audio setting appears at the bottom of the screen under Rec.

3 Press the ISO button (under Rec) to choose a different setting. You can record a 3, 5, or 10-second message, or turn recording off.

4 Open the lens cover and turn the camera dial to 📷. Center the subject on the LCD screen.

5 Press the shutter button halfway down to lock the auto focus.

6 When the camera status light stops flashing and you see a green circle ● on the screen, press the shutter button the rest of the way down.

7 Hold the camera still until it beeps. Then release the shutter button.

After a moment, you see a confirmation message. Then you see the message Sound recording... and a countdown of the recording time.

8 Speak clearly into the microphone. You see another confirmation message indicating that the recording was successful.

NOTE

Even if you don't speak into the microphone, your camera records ambient noise when recording is turned on, and your images take up more space on the memory card. To fit more images on your memory card, make sure you turn recording off when you no longer want to use it.

Using Programmed Subject Settings

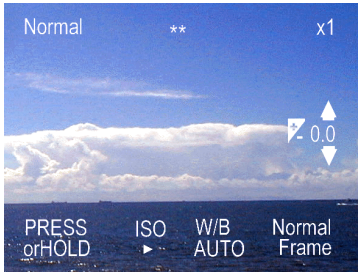
The Program user mode provides four programmed settings that let you choose the type of shot you're taking. The camera automatically assigns the optimum exposure, metering method, and sensitivity for your subject.

- **Normal** Appropriate for most photographs. Uses the following settings: auto exposure, matrix metering.
- **Sports** Recommended for action photographs. Uses the following settings: high shutter speed, automatic sensitivity, matrix metering.
- **Portrait** Recommended for portraits. Uses the following settings: spot metering, aperture fixed at f/2.4.
- **Landscape** Recommended for landscapes or scenery. Uses the following settings: matrix metering, aperture set to f/8.0. (The aperture automatically changes to f/2.4 when the subject is dim.)

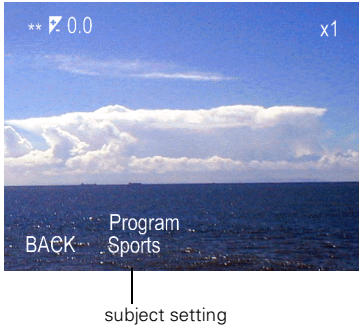
Follow these steps to use programmed subject settings:

1 Set the camera to Program user mode. (See page 4-2 for instructions.)

2 Open the lens cover and turn the camera dial to . You see the View menu.



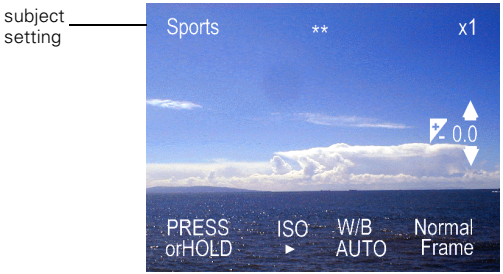
3 Hold down the MENU button (under PRESS or HOLD) until you see the following screen:



4 Press the ISO button to cycle through the four subject settings.

5 When you've made your setting, press the MENU button (under BACK) to save it.

Your subject setting appears in the upper left corner of the View menu.



6 Take your picture. (See page 2-6 for instructions.)

Adjusting the Sensitivity Setting

If you've set the user mode to Program or Manual, you can use the LCD screens to adjust the sensitivity setting. (You can also use the camera's ISO button to adjust this setting. See page 3-5.)

With the PhotoPC 800's high sensitivity settings, you can take pictures of fast-moving subjects, or indoor pictures without a flash. You can set the sensitivity from the camera's standard ISO equivalent of 100 to an ISO equivalent of 200 or 400.

NOTE

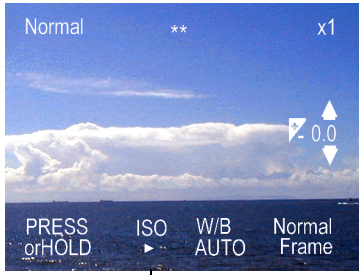
Since image quality is lower when you use high sensitivity settings, the standard setting is recommended for most pictures.

The arrow icons above the **ISO** button indicate the sensitivity setting:

- The standard setting is equivalent to ISO 100. This is the recommended setting for most pictures.
- The high sensitivity setting is equivalent to ISO 200.
- The super high sensitivity setting is equivalent to ISO 400.

Follow these steps to adjust sensitivity:

1. Make sure the camera is set to Program or Manual user mode. (See page 4-2 for instructions.)
2. Open the lens cover and turn the camera dial to . You see the View menu.



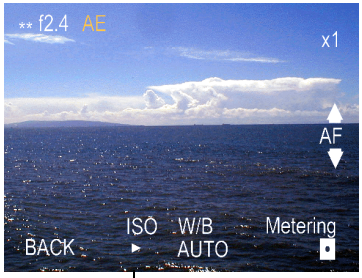
NOTE

This View menu illustrates what you see if your user mode is set to Program. *Your View menu will look slightly different if the user mode is set to* Manual.

3 Do one of the following:

If user mode is set to Program, the current sensitivity setting appears above the ISO button. (See the previous illustration.) Press the ISO button to change the sensitivity setting.

If user mode is set to Manual, hold down the MENU button (under PRESS or HOLD) until you see the following screen. Press the ISO button to change the sensitivity setting, then press the MENU button to save your setting.



sensitivity setting

Adjusting the White Balance Setting

Although the PhotoPC 800 adjusts white balance for you automatically to ensure color accuracy, you may sometimes want to change this setting for special effects (for example, to retain the red tints in a sunset).

The PhotoPC 800 includes the following white balance settings:

AUTO	Adjusts the white balance of your pictures automatically. This is the recommended setting for most pictures.
FIX	Locks the white balance setting at 5200 °K.
CUST	Lets you customize the white balance setting. See page 4-21 for details.

You must be in Program or Manual mode to adjust the white balance setting. See page 4-2 for information about changing the user mode.

NOTE

If you're using the viewfinder, you can also press the W.B. *button to change the white balance. See page 3-6 for details.*

Photographing With Fixed White Balance

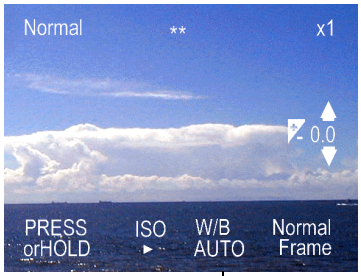
The fixed white balance setting gives your pictures a warmer appearance under fluorescent lighting. It's also a good choice for retaining the reds in a sunset.

Follow these steps to lock the white balance setting at 5200 °K:

1. Make sure the camera is set to Program or Manual user mode. (See page 4-2 for instructions.)
2. Open the lens cover and turn the camera dial to 📷. You see the View menu.

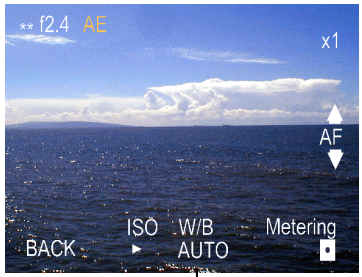
3 Do one of the following:

If user mode is set to Program, the current white balance setting appears above the W.B. button. Press the W.B. button to select FIX.



white balance setting

If user mode is set to Manual, hold down the MENU button (under PRESS or HOLD) until you see the following screen. Press the W.B. button to select FIX, then press the MENU button (under Back) to save your setting.



white balance setting

Photographing With User Defined White Balance

Follow these steps to customize the white balance setting:

1. Turn the camera dial to i to display the SETUP menu. If necessary, change to Program or Manual user mode.
2. Press the MENU button (under Camera SETUP) to go to the Camera SETUP menu.

3. Open the lens cover.
4. Press the bottom button (next to the entry New W/B). You see the following screen:

5. Press the bottom button (next to Yes) to save a new white balance setting.

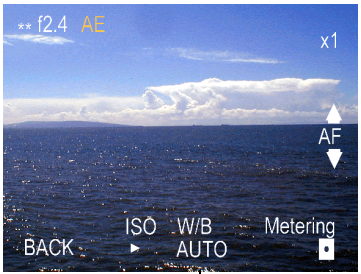
   You see a message instructing you to press the shutter button to set a new white balance.

6. Focus the camera on a piece of white paper, or some other object to set white balance by, and press the shutter button to save the setting.
7. Open the lens cover and turn the camera dial to . You see the View menu.

8 Do one of the following:

If user mode is set to Program, the current white balance setting appears above the W.B. button. Press the W.B. button to select CUSTOM.

If user mode is set to Manual, hold down the MENU button (under PRESS or HOLD) until you see the following screen. Press the W.B. button to select CUSTOM, then press the MENU button (under Back) to save your setting.



Adjusting Exposure

Your camera normally adjusts exposure automatically. However, you may want to increase the exposure setting if you want to lighten your picture or if you're taking pictures of an object against a bright background, such as sand or snow on a sunny day. Similarly, you may want to decrease it if you want to darken the picture, or if you're taking pictures against a dark background.

With the PhotoPC 800, you can select predefined exposure settings, or you can fine-tune the exposure manually by setting the shutter speed and aperture setting.

NOTE

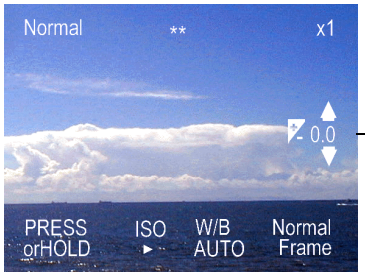
If you're using the viewfinder, you can also use the camera's controls to make predefined exposure adjustments. See page 3-7 for instructions.

Making Predefined Exposure Adjustments

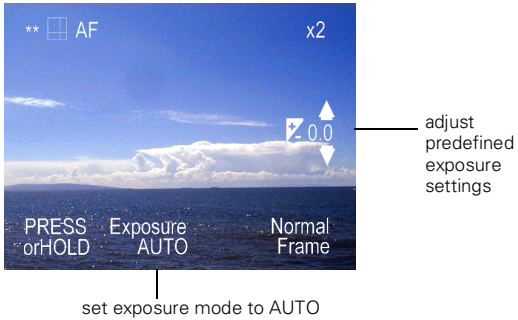
Follow these steps to make predefined exposure adjustments:

1. Make sure that the camera is set to Program or Manual user mode. (See page 4-2 for details.)
2. Open the lens cover and turn the camera dial to .
3. Do one of the following:

   In Program mode, press the + button (next to the up arrow) to increase the exposure setting, or the – button (next to the down arrow) to decrease it. You can make nine different settings in increments of 0.5, from –2.0 to +2.0 EV (Exposure Value).



In Manual mode, press the ISO button (under Exposure) to select AUTO, then press the + button to increase the exposure setting, or the – button to decrease it. You can choose from 21 settings in increments of 0.2, from –2.0 to +2.0 EV.



NOTE

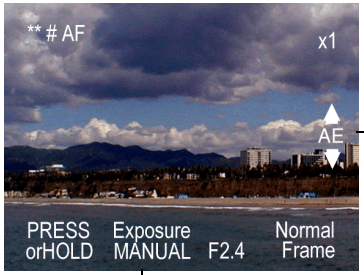
Exposure Value is a combination of shutter speed and aperture setting.

Making Advanced Exposure Adjustments

Experienced photographers can set the exposure manually by adjusting the shutter speed and aperture.

Follow these steps to set the shutter speed and aperture:

1. Make sure that the camera is set to Manual user mode. (See page 4-2 for details.)
2. Open the lens cover and turn the camera dial to 📷.
3. Press the ISO button (under Exposure) to change the exposure mode to MANUAL.



4. Press the + button (next to the up arrow) to increase shutter speed, or the – button (next to the down arrow) to decrease it.

NOTE

When the flash is set to automatic or forced flash, you can select shutter speeds from 1/30 to 1/750. When the flash is turned off, you can select shutter speeds from 1/2 to 1/750. See page 3-3 for instructions on setting the flash.

5. Press the W.B. button to change the aperture setting. (You can choose either F2.4 or F8.)

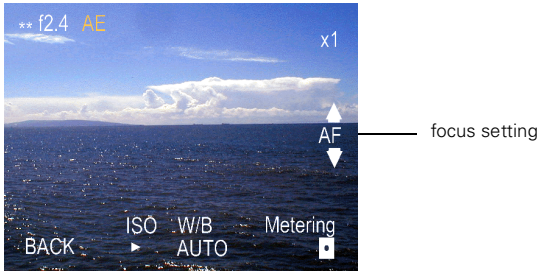
Adjusting the Focus

The PhotoPC 800 lets you adjust the distance of the focal point. Follow these steps:

1. Make sure that the camera is set to Manual user mode. (See page 4-2 for details.)
2. Open the lens cover and turn the camera dial to 📷.

3 If you want to use the macro feature or take panoramas, press the button next to **Normal Frame** until **Macro** or **Panorama** appears in the center of the screen.

4 Hold down the **MENU** button (under **PRESS or HOLD**) until the following screen appears:



5 Press the + or – button (next to the up and down arrows) to select a manual focus setting.

If the camera is set to **Normal Frame** or **Panorama**, you can choose from the following settings:

AF	The camera determines the focus automatically.
	Focal point is about three feet.
	Focal point is about 10 feet.
	Focal point is infinity (∞).

If you're using the macro feature, you can choose a setting from 1 to 10, where 1 is the closest possible focus.

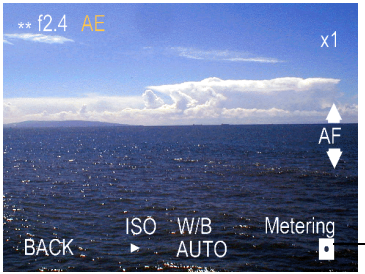
Changing the Metering Method

If you're using Manual mode, your camera lets you choose between matrix metering and spot metering.

With matrix metering, the camera automatically measures the available light and determines the correct exposure. If you're an advanced photographer, you can use spot metering to choose a point that the camera samples to determine exposure.

Follow these steps to change the metering system:

1. Make sure that the camera is set to Manual user mode. (See page 4-2 for details.)
2. Open the lens cover and turn the camera dial to .
3. Hold down the MENU button (under PRESS or HOLD) until you see the following screen. The current metering setting is in the lower right corner.



4. Press the bottom button (beside Metering) to change the setting.
5. Press the MENU button (under BACK) to save your setting.

Setting Camera Options

You can change the settings of several camera options, including the automatic power off feature, the LCD screen's brightness, and when and whether the camera beeps. You can also reset the camera's clock and language.

NOTE

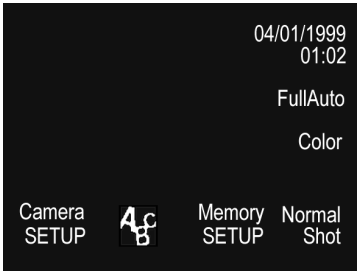
You can also set the camera's clock and automatic power off feature from your computer. See Chapter 10 for details.

Setting the Automatic Power Off Feature

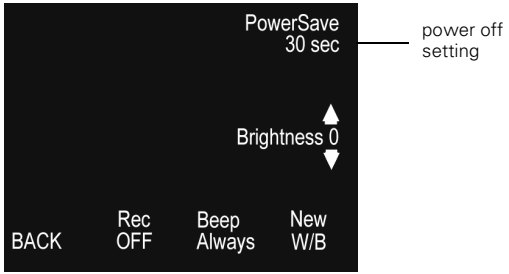
The automatic power off feature saves battery power by automatically turning your camera off when it's idle for a designated period of time. You can set the camera to turn off after 10 seconds, 30 seconds, one minute, or three minutes.

Follow these steps to change the power off interval:

1 Push the camera dial lock in and turn the dial to i. You see the SETUP menu.



2 Press the MENU button (below Camera SETUP) to go to the Camera SETUP menu. The current power off setting appears in the upper right corner of the screen.



3 Press the top button (next to the current setting) to select a new setting.

NOTE

Automatic power off is only in effect when you're using batteries to power the camera.

Setting the LCD Brightness

To adjust the brightness of the LCD screen, follow these steps:

1. Turn the camera dial to i to display the SETUP menu. Then press the MENU button (under Camera SETUP). You see the Camera SETUP menu.

2. Press the + or – button (next to the up and down arrows) to adjust the screen brightness.

Setting the Alert Beep

Normally, the camera's alert beep lets you know when an image has been captured. However, you can turn the alert beep off, or set the camera to beep whenever you press any of its buttons.

To set the alert beep, follow these steps:

1. Turn the camera dial to i to display the SETUP menu. Then press the MENU button (below Camera SETUP). You see the Camera SETUP menu.

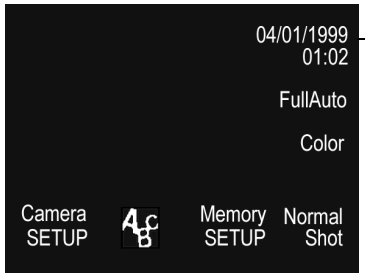
2 Press the W.B. button (under Beep) to cycle through these choices:

- **Shutter** The camera beeps when an image is captured.
- **Never** Turns the beep off.
- **Always** The camera beeps whenever you press a button.

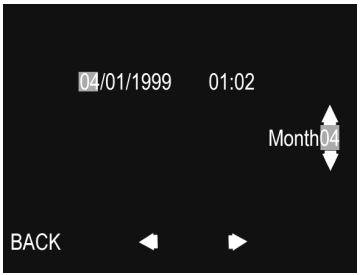
Setting the Time and Date

The camera remembers the time and date settings you made when you formatted your memory card, unless it goes without battery power for more than a couple of hours. If you need to reset the time and date for any reason, follow these steps:

1 Turn the camera dial to i to display the SETUP menu. You see the camera date and time setting in the upper right corner of the screen.



2 Press the top button (next to the setting) to display the following screen. The month is highlighted in red.



3 Press the + or – button (next to the up and down arrows) to adjust the setting, then press the W.B. button (under the right arrow) to highlight the day.

4 Repeat step 3 for each item you want to change. (To return to a previous setting, press the ISO button.)

5 When you're done, press the MENU button (under BACK) to save the setting and return to the SETUP menu.

Setting the Language

You can choose from two languages for information displayed on the LCD screen.

Follow these steps to change the language setting:

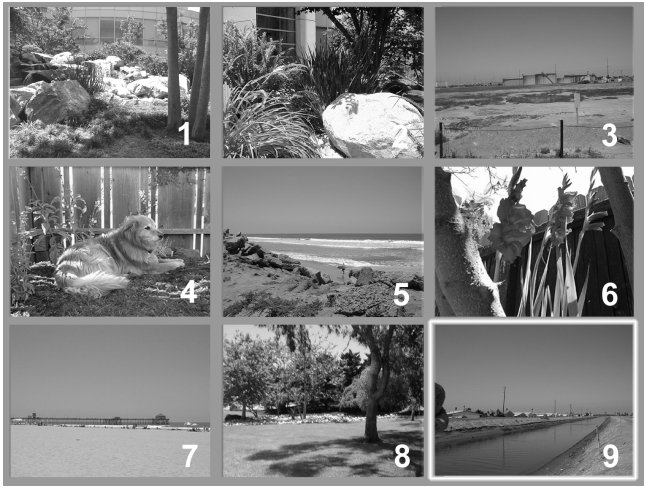
1 Turn the camera dial to i to display the SETUP menu.

2 Press the ISO button (under the icon) to go to the language setting screen.

3 If necessary, press the W.B. button (under the right arrow) to highlight ENG.

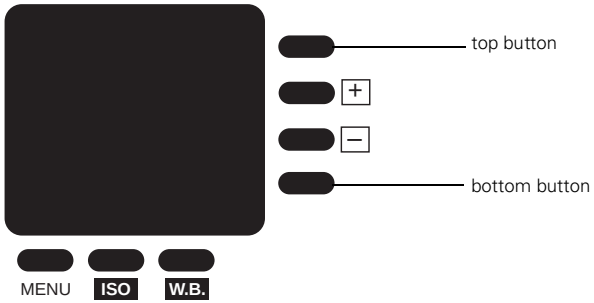
4 Press the MENU button (under BACK) to save the setting and return to the SETUP menu.

5 Playing Back Photos



The LCD screen lets you play back your pictures one-by-one or in groups of four or nine. You can magnify or delete selected pictures and customize playback features. You can also view your pictures on a television as easily as on the camera's screen. This chapter explains the following:

- Playing back pictures one-by-one or several pictures at a time
- Deleting pictures
- Locking pictures
- Adding and deleting audio recordings
- Magnifying pictures
- Viewing detailed information about a picture
- Playing pictures as a slide show
- Playing back pictures on TV

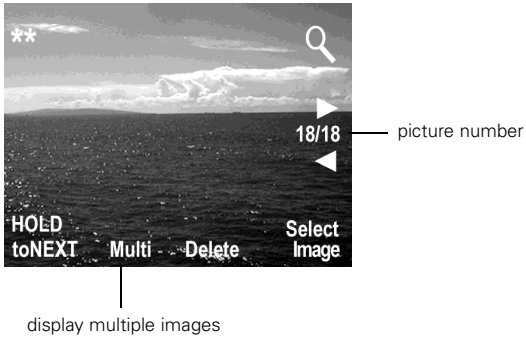


NOTE

After a designated period of inactivity, the camera automatically shuts off to conserve battery power. If the image on your LCD screen disappears, press any button on the back of the camera to "wake" the camera.

Playing Back Pictures One by One

When you set the camera dial to ▶, you see the last picture you took on the LCD screen:



Press the + button (next to the right arrow) to display the earliest picture taken. You can continue pressing the + button to view your pictures in order. Press the – button (next to the left arrow) to move backward through your pictures.

Playing Back Multiple Pictures

You can play back your pictures in Multi mode to view small "thumbnail" versions of either four or nine pictures at once.

Follow these steps to play back multiple pictures:

1 Turn the camera dial to ▶. You see the last picture you took on the LCD screen.

2 Press the ISO button (below Multi).

Small thumbnail images of the last four pictures you took appear on the screen, with the currently selected image framed in white.

3 If you want to display nine pictures at once, press the ISO button (under 1x9) again.

4 Press the + and – buttons to move the white selection frame through the images on screen, or hold one of these buttons down to move through the images quickly.

When the frame passes the first or last image of the current group, the previous or next three images are displayed in the group.

5 To switch back to displaying one picture at a time, press the ISO button again.

Deleting Pictures

The LCD screen provides two different methods for deleting images after you play them back:

- You can delete the currently displayed picture
- You can select multiple pictures for deletion, or "lock" (protect) them from deletion

You can also delete images through your software when the camera is connected to your computer. For instructions, see Chapter 6.

Deleting the Currently Displayed Picture

Make sure the camera dial is set to ▶, then follow these steps:

1. Press the + or – button (next to the right and left arrows) to display the image you want to delete.

NOTE
To make choosing images easier, you can display four or nine images at a time by pressing the ISO *button once or twice.*

2. Press the W.B. button (under Delete). A confirmation message appears.
3. Press the top button (next to Yes) to delete the image, or the bottom button (next to No) to cancel.

NOTE
If you try to delete a locked image 🔒, you see a warning message. Press any button to clear the message. See pages 5-6 for instructions on locking and unlocking images in the camera.

Deleting All Pictures

To delete all the images from your memory card, make sure the camera dial is set to ▶, then follow these steps:

1. Press the bottom button (next to Select Image). Then press the top button (next to Select All) to select all the images in your card.
2. Press the ISO button (under Delete) to delete the images. A confirmation message appears.
3. Press the top button (next to Yes) to delete the images, or the bottom button (next to No) to cancel.

NOTE

If any images are locked, you see a message asking if you want to delete them. Press the button next to No *to delete only the unlocked images, or next to* Yes *to delete the locked images too. See page 5-8 for instructions on unlocking images.*

Deleting Selected Pictures

Make sure the camera dial is set to ▶, then follow these steps:

1. Press the ISO button (under Multi) once to display four pictures on the screen, or twice to display nine. A white frame appears around one of the pictures.
2. Press the button next to Select Image. You see the following on your screen:

3 Press the + or – button (next to the right and left arrows) to move the frame to an image you want to erase. Then press the bottom button (next to Select). A red frame appears around the image and the word Select changes to Release.

NOTE
If you change your mind, press the button next to Release *to deselect the image.*

4 Repeat step 3 to select any additional images.

5 After you've finished selecting images, press the ISO button (under Delete) to delete them.

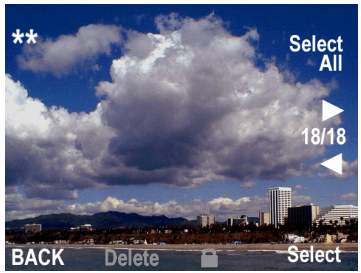
A confirmation message appears. Press the top button (next to Yes) to delete the selected images, or the bottom button (next to No) to cancel.

Locking Pictures

The lock feature allows you to keep your images from being accidentally deleted. You can lock selected images or all the images in the camera. Make sure the camera dial is set to ▶, then follow these steps to lock pictures:

1 Press the ISO button (under Multi) once to display four pictures on the screen, or twice to display nine. A white frame appears around one of the pictures.

2 Press the bottom button (next to Select Image). You see the following on your screen:



3 Do one of the following:

- If you want to lock all images, press the top button (next to Select All). (If you change your mind, press the same button to deselect all images.)
- If you want to lock just one or some of the images, press the + or – button to move the frame to an image you want to lock. Then press the bottom button (next to Select). (If you change your mind, press the button next to Release to deselect the image.) Repeat this step for each image you want to lock.

A red frame appears around each image selected.

4 Press the W.B. button (under the padlock icon). You see the following on your screen:

5 Press the button next to Lock.

A padlock icon appears in the upper left corner of each locked image.

6 Press the MENU button (under BACK) to save your settings.

Unlocking Pictures

After you have locked some of your pictures, you can unlock selected pictures or all the pictures in the camera.

Make sure the camera dial is set to ▶, then follow these steps:

1. Repeat steps 1 through 3 of "Locking Pictures" to select the images you want to unlock.
2. Press the W.B. button (under the padlock icon). You see the following:

3. Press the bottom button (next to Release).

   The selected images are unlocked. If an image is successfully unlocked, the padlock icon disappears from the upper left corner of its frame.

4. Press the MENU button (under BACK) to save your settings.

Adding Audio Recordings

You can add audio recordings to images stored on your memory card.

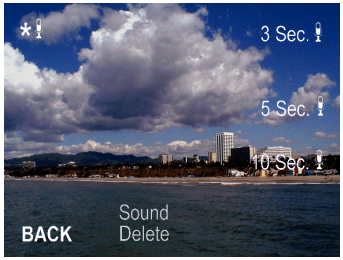
NOTE
You can't add audio recordings to images taken in quick shot mode.

Follow these steps to add a recording to an existing image:

1 Turn the camera dial to ▶ to go to playback mode.

2 Press the + or – button (next to the right and left arrows) to move to the photo to which you want to add a recording. (If you're displaying multiple images, you'll see a white frame around the currently selected photo.)

3 Hold down the MENU button (under HOLD to NEXT) until the screen changes, then press the top button (next to RECORD). You see the following:



4 Press the button next to the desired recording time. A countdown of the recording time appears on the screen.

NOTE

If there's already a message on the selected photo, a confirmation message appears after you choose the recording time. To erase the old recording and make a new one, press the top button (next to Yes*). Or press the bottom button (next to* No*) to cancel.*

5 Speak clearly into the microphone on the back of the camera.

A microphone icon appears in the upper left corner of the image to indicate that a recording has been added.

Deleting Audio Recordings

You can also delete audio recordings that you've added to the pictures on your memory card.

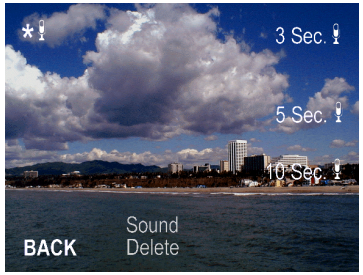
Make sure your camera dial is set to ▶, then follow these steps:

1 Press the ISO button (under Multi) once to display four pictures on the screen, or twice to display nine. A white frame appears around one of the pictures.

2 Use the + or – button (next to the right and left arrows) to move to an image whose attached recording you want to erase. (You'll see a microphone icon in the upper left corner if the image has a recording attached.)

3 Hold down the MENU button (under HOLD to NEXT) until you see the following:

4 Press the button next to RECORD. You see the following on your screen:



5 Press the ISO button (under Sound Delete) to delete the recording for this picture. A message appears asking you to confirm the deletion.

NOTE
If you see a message that the selected image is locked, press the button next to Unlock *to unlock it.*

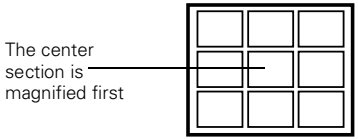
6 Press the button next to Yes to confirm, or No to cancel.

7 Press the MENU button (under BACK) twice to return to the playback menu.

Magnifying a Picture

You can zoom in to magnify a portion of your image on the LCD screen and view it in greater detail. Then you can use the camera's buttons to scroll the image and display another section (up to nine sections for regular images and three sections for panoramic images).

The sections of your image that can be viewed are demonstrated in the figure below:



Make sure the camera dial is set to ▶, and follow these steps:

1 To magnify the currently displayed image, press the top button (next to the magnifying glass icon).

A magnified view of the center section of the picture appears. An icon in the top left corner of the screen indicates which section of the image is currently displayed.

2 To view different sections of the magnified image, press the + and – buttons (next to the up and down arrows) to move up or down, or the ISO and W.B. buttons (next to the left and right arrows) to move left or right.

NOTE

When you magnify a panoramic picture, it's divided into three parts. You can only scroll left and right.

3 To exit the magnification screen, press the MENU button (next to BACK).

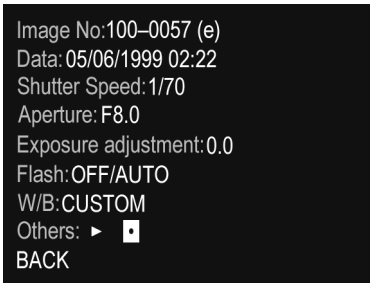
Viewing Picture Information

You can use the LCD screen to view detailed information about individual images, including date and time taken, shutter speed, exposure settings, aperture and white balance settings, and metering method. To display image information, follow these steps:

1 Turn the camera dial to ▶, then hold down the MENU button (under HOLD to NEXT).

You see the following screen:

2 Press the W.B. button (below INFO) to display information for the currently selected image.



3 Press the MENU button (under BACK) to exit the picture information screen.

Playing Your Pictures as a Slide Show

You can use the LCD screen to play back your pictures in a continuous "slide show." You can even control the slide show's speed and pauses.

Follow these steps:

1 Turn the camera dial to ▶. Then hold down the MENU button under HOLD to NEXT) until the following screen appears:

2 Press the bottom button (next to SLIDE SHOW). You see the following screen:

3 Press the + button to select the slide show speed. (You can have the image change automatically every 3, 5, or 10 seconds, or you can choose to change the images manually.)

NOTE

You can also rotate the images, or exclude certain images from your slide show. See the following sections for instructions.

4 Press the bottom button (next to Start) to begin the slide show.

To pause the slide show, press the MENU button; then press the MENU button again to restart it. While the slide show is paused, you can view the last image by pressing the ISO button (under BACK).

To stop the slide show, press the bottom button (next to Quit).

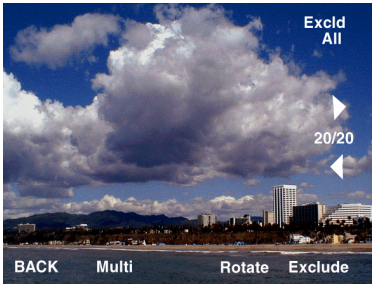
Excluding Pictures From a Slide Show

All pictures saved in your camera's memory card are automatically included in the slide show. To exclude any pictures from the slide show, follow these steps:

1 Turn the camera dial to ▶. Then hold down the MENU button (next to HOLD to NEXT) until you see the next screen.

2 Press the bottom button (next to SLIDE SHOW). You see the following screen:

3 Press the – button (next to SlideSelect). The following screen appears:



4 Press the + or – button (next to the right and left arrows) to select the picture you want to exclude from the slide show. (If you want, press the ISO button to display multiple pictures.)

5 Do one of the following:

- Press the bottom button (next to Exclude) to exclude the selected picture.
- Press the top button (next to Excld All) to exclude all pictures.

NOTE
If you change your mind, move the white frame to the picture you want to include again and press the bottom button (next to Select*). Or press the top button (next to* Select All*) to include all pictures.*

6 When you're finished, press the MENU button twice to return to the playback menu.

Rotating Pictures in a Slide Show

You can display pictures in your slide show rotated 90 degrees to the right or left. To rotate a picture, follow these steps:

1 Turn the camera's dial switch to ▶ to display the playback menu, then hold down the MENU button (under HOLD to NEXT) until you see the next screen.

5

2 Press the bottom button (next to SLIDE SHOW). You see the following:

3 Press the – button (next to SlideSelect) to display the following:

4 Press the + or – button (next to the right and left arrows) to frame the image you want to rotate. Then press the bottom button (next to Select) to select the image.

NOTE

To make it easier to view your picture, press the ISO *button to display multiple images, then use the + or – button to select an image.*

5 To rotate the image 90 degrees to the right, press the W.B. button (under Rotate) once. An orientation icon appears in the upper left corner of the screen indicating that the picture will be rotated to the right when displayed in the slide show.

To rotate the image 90 degrees to the left, press the W.B. button twice. A left orientation icon appears in the upper left corner of the screen.

6 Repeat steps 4 and 5 to rotate more pictures. When you're finished, press the MENU button (under BACK) to save your changes.

Playing Back Pictures on TV

You can display your pictures on a regular television or VCR by using the video cable that came with your PhotoPC 800.

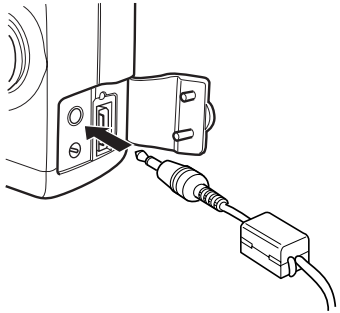
TIP

You can videotape your pictures to share them without using a computer. After you connect the camera to your VCR, press the Record button on the VCR and use the camera's slide show feature, as described on page 5-13.

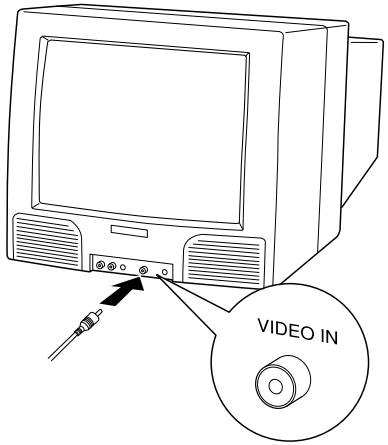
Follow these steps to play back your pictures on TV:

1 Make sure the camera and TV (and VCR) are turned off.

2 Open the camera's connector cover and connect the black end of the video cable to the Video Out port, as shown.



3 Connect the yellow end of the cable to the VIDEO IN port on the television or VCR.



4 Turn on the TV (and VCR) and switch to the correct video mode.

5

6 urn the camera dial to ⊙. The last picture you took appears on the TV screen. You can use all of the camera's playback features when your pictures are displayed on TV.

NOTE

Using the optional AC adapter is highly recommended when you play back your pictures on a TV. See page A-2 for instructions and ordering information.

6 Getting Photos Into Your Computer

When you're finished taking pictures, you can connect the camera to your computer and transfer the images. Then you can use the pictures on your Web site, in presentations, or in just about anything you create on your computer. This chapter describes the following:

- Connecting the camera
- Transferring photos and sound files with Image Expert
- Getting images into TWAIN-compliant applications
- Getting images that you can import

NOTE

If your computer has a Type II PCMCIA card slot, you can transfer your pictures by copying them directly from your memory card. See page A-4 for instructions.

Connecting the Camera

Note the following before you start:

- If you have the optional AC adapter, you can conserve battery life by using it when you connect the camera to your computer. See page A-2 for instructions.

  The AC adapter should be available where you bought your PhotoPC 800. Or see page A-2 for information on ordering an AC adapter through EPSON Accessories.

- When you connect the camera, make sure your system is not exposed to sources of electromagnetic interference, such as stereo speakers or the base units of cordless telephones.

Connecting to a Windows PC

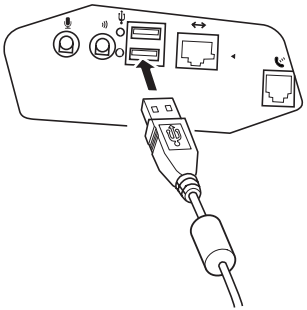
You can connect the camera to your USB-enabled Windows 98 system with either the Windows serial cable or the USB cable that came with the camera.

If you're using the USB cable and you see the New Hardware Found screen, follow the instructions on page 1-15.

Using the USB Cable

Follow these steps to connect your camera using the USB cable:

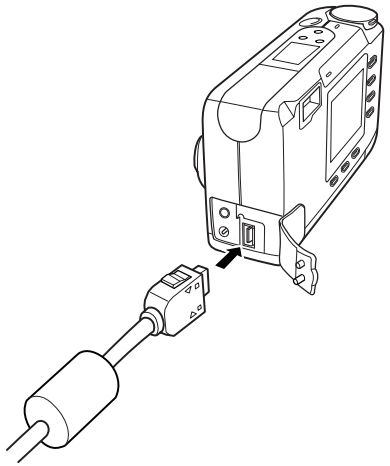
1 Plug the connector on the USB cable into the USB port on your computer, or into a port on a USB hub.



NOTE

Although you can use a USB hub, it's recommended that you connect the camera directly to the computer's USB port.

2 Open the connector cover on the side of the camera. Then insert the connector on the other end of the USB cable into the camera's interface port.



3 Turn on the camera by turning the camera dial to .

Using the Windows Serial Cable

Locate the Windows serial cable that came with the camera, then turn off the camera and your computer.

Follow these steps to connect the camera to your computer:

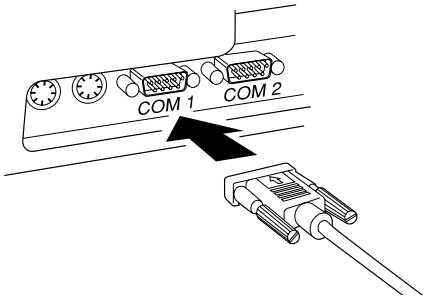
1. Locate a serial port on the back of your computer. You may have two serial ports labeled COM1 and COM2, or the ports may be labeled with icons. If you have two serial ports available, use COM1 (port 1) to connect your camera.

NOTE

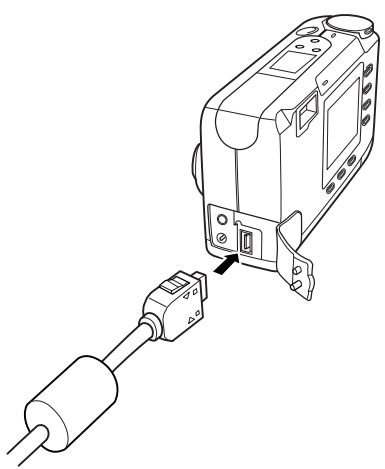
If you have a 25-pin serial port, you can use a 9- to 25-pin adapter.

---

2. Line up the serial connector on the cable with one of the serial ports on your computer, and insert the connector. Then tighten the screws.



3. Open the connector cover on the side of the camera. Carefully insert the connector on the other end of the cable into the camera's interface port.



4 Turn on the camera by turning the camera dial to 🖃, then turn on your computer system.

NOTE
If you have problems connecting to the COM port you have selected, check your computer's COM port configuration and try again.

Connecting to a Macintosh

You can connect the camera to your PowerPC with the Macintosh serial cable that came with your camera. If you have an iMac or PowerMac G3, you can use the USB cable. See page 6-2 for instructions on connecting the camera with a USB cable.

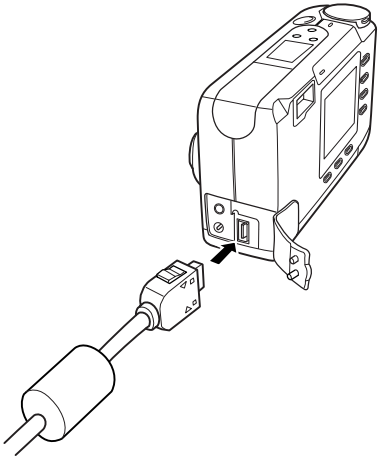
Follow these steps to use the Macintosh serial cable:

1 Turn off the camera and your Macintosh.

2 Locate the modem port or printer port on the back of your Macintosh. You can use either port to connect the camera.

NOTE
If you're sharing a serial port that you use for another device, make sure AppleTalk™ is turned off. Your Macintosh may not recognize the camera if AppleTalk is on. Also, if you have problems connecting to the printer port, use the modem port instead.

3 Open the connector cover on the side of the camera. Carefully insert the connector on the other end of the cable into the camera's interface port.



4 Turn on the camera by turning the camera dial to 🖸, then turn on your Macintosh system.

On a PowerPC or G3 Macintosh (or a Windows PC with a high-speed serial board), you may be able to transfer your pictures at the rate of 230.4KB per second. If your camera software doesn't set this speed automatically, you can set it manually. See page 10-6.

Transferring Photos and Sound Files

The PhotoPC 800 provides several different ways to transfer your pictures from the camera's memory card to your computer. The simplest method is to use the Image Expert software that came with your camera. This lets you view small thumbnail images of your pictures, and then quickly transfer them to an album (folder) on your hard disk drive.

If you haven't installed your software, do it now. (See Chapter 1.) Make sure the camera is connected to your computer and the camera dial is turned to 🖸.

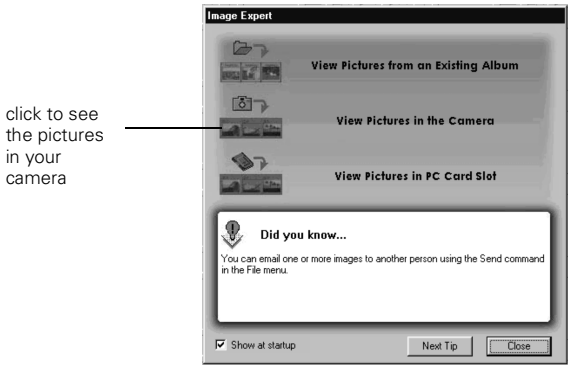
NOTE

Although these instructions apply to Windows 95 and 98, the same steps can be used with a Macintosh or Windows NT 4.0 system.

1 Start Image Expert. Click **Start**, and then point to **Programs**, **Image Expert**, **Image Expert**.

If you see the Image Expert Quick Tour screen, click **Close**. (This screen does not appear on the Macintosh.)

You see a window like the following:



2 Click **View Pictures in the Camera.** You see a window displaying "filmstrips" of your images. (If you see an error message instead, see page 6-9.)

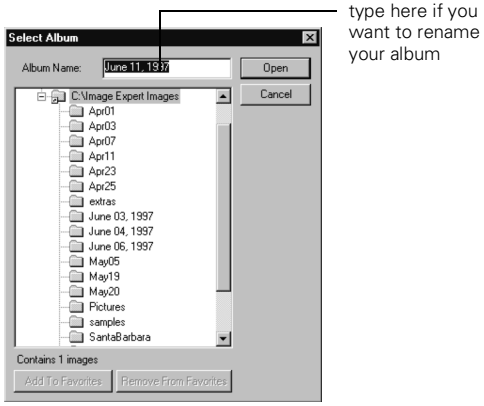
3 Click the button to transfer all the images to your hard drive. To transfer a single image, select it, then click the button.

NOTE

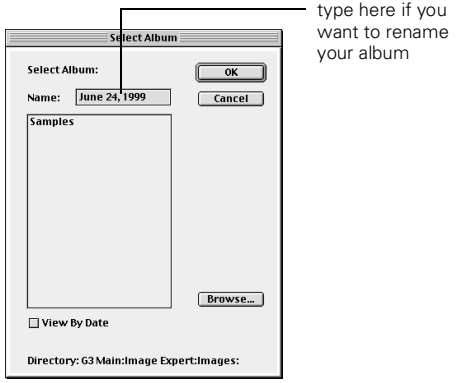
- *To select more than one image, hold down the* **Ctrl** *key while you click. To deselect, click another image.*
- *You must click the* *button to transfer images. When you view camera images on your computer, you have not yet transferred them.*

You see a Select Album window like the following:

Windows



Macintosh

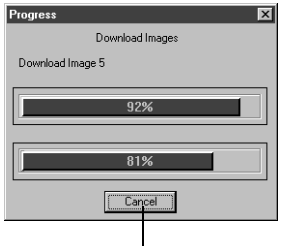


6

Image Expert will automatically create an album (folder) for your pictures with the current date as its name. You can type your own name for the album if you want, or choose an existing album.

4 Click Open (or OK on a Macintosh) to begin transferring your pictures. You see a confirmation message asking if you want to download selected images only.

5 Click Selected to download the selected images, or All to download all images. A window like the following appears to show you the progress of each image:



6 When you're finished, close the filmstrip window.

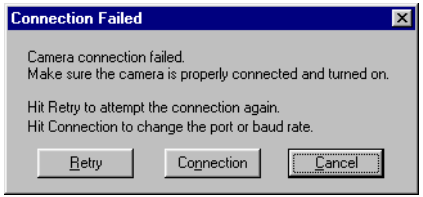
7 To erase all images from the camera's memory card, select Erase All Images from the Camera menu. To erase a particular image, click the image to select it and choose Delete from the Edit menu. You see a confirmation message.

8 Click Yes to erase the image(s), or No to cancel.

You can double-click an image to open it in Image Expert. You can display your images one by one, edit, print, and copy them to diskettes, or place them in your documents and presentations. See Chapters 7, 8, and 9 for more information about working with images in Image Expert.

What To Do if You See an Error Message

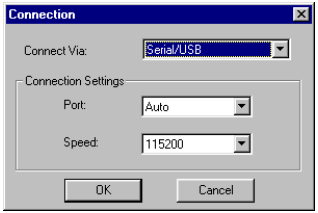
When you click the button to view images in the camera's memory card, you may see a message like the following:



Follow these tips to get your camera connected correctly:

1. Make sure the camera is turned on and has not shut off automatically. If it has, turn the camera dial to **Off**, then to .
2. Check the cable and make sure the connections are secure. Make sure the pins inside the connector are not bent.
3. Make sure your batteries have enough power, or your AC adapter is connected.
4. Click **Retry**. If you see the **Connection Failed** message again, click **Connection**.

   You see the following dialog box:



5. Select another image source, if necessary. If you're using a PCMCIA adapter to access images from a PC card slot, select **PC Card**.
6. Select another port if necessary. In most cases, it's best to leave the **Port** setting at **Auto** because Image Expert can detect the camera connection automatically.

   If you have a serial device connected to one port and an internal modem on the other, you can try setting the **Port** to COM3 or COM4.

If you have a USB port, try selecting USB, then remove the USB cable from your computer and reconnect it.

7 Select a slower speed. Image Expert automatically chooses the fastest speed that works with your system, but this may actually be too fast for the configuration of your port. Try setting the speed to 57600. You may need to experiment to choose the best speed.

8 When you are finished, click OK.

Getting Images Into TWAIN-Compliant Applications

If you use Adobe® Photoshop® or other TWAIN-compliant applications, you can transfer your pictures directly into your program from the camera. Follow these steps:

1 Start your application.

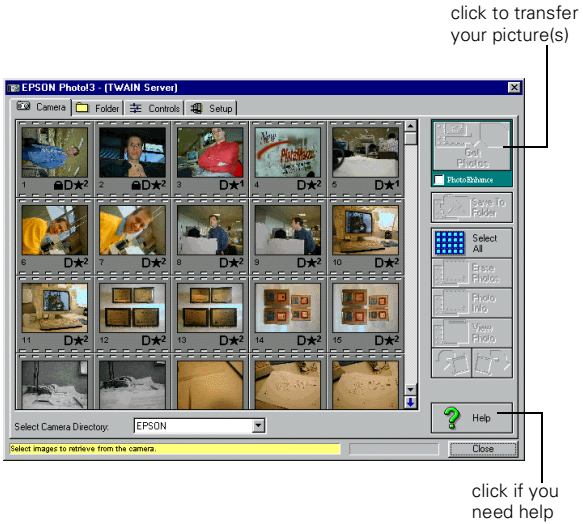
2 Choose Import, then Select TWAIN_32 Source if you're running Windows (or Import, then TWAIN Select if you have a Macintosh) from the File menu.

NOTE
The commands you choose from the File menu differ from one host application to another. With other host applications, you might choose Acquire *or* Select Source.

3 For your TWAIN source, choose EPSON PhotoPC 800 (Windows), or PhotoPC 800 (Macintosh).

For Windows, choose Import, then TWAIN_32 from the File menu. For Macintosh, select Import, then TWAIN_Acquire.

The EPSON Photo!3 screen appears, with thumbnail images of your photos. (If you see the message **The Camera Is Not Responding**, see page 6-14.)



4 Select the picture you want and click **Get Photos** to transfer the picture. Or click **Select All** and then **Get Photos** to transfer all the pictures.

You can also select a picture and do the following before you transfer it:

- Click **View Photo** to see a full-size image.
- Click one of the rotation buttons to turn the picture 90 degrees.
- Click **Photo Info** to see the capture time and date, image resolution, and other information.
- Check **PhotoEnhance** to automatically improve the picture during transfer. (You can select and enhance all the pictures at once. However, using this feature will make the transfer take significantly longer. This feature is not recommended unless you're using the AC adapter.)

5 After transferring, click **Erase Photos** if you want to remove the picture(s) from your camera.

6 If necessary, click **Close** to exit the EPSON Photo!3 screen and return to your application. You see the picture or pictures in the work area.

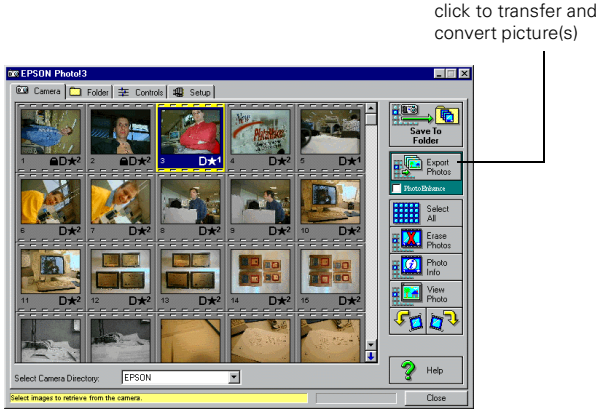
Getting Images That You Can Import

Most methods of transferring images from the camera save your pictures as JPEG files. If your word processor or other application doesn't support the JPEG format, you have to convert the files one by one. Or you can use the export feature of EPSON Photo!3 to automatically convert the files as you transfer them.

Follow these steps to export and convert your pictures with EPSON Photo!3:

1 Start your EPSON Photo!3 software. Under Windows 95 or 98, click **Start**, and then point to **Programs**, **EPSON Photo!3 Ver.1**, **EPSON Photo!3 Ver.1**.

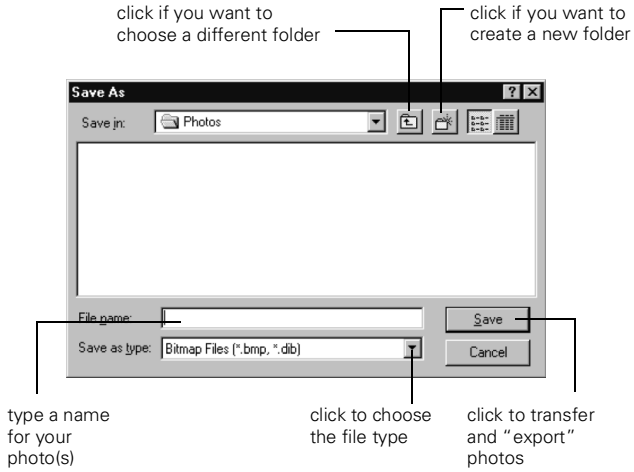
You see a screen like the one below. (If you see a Setup screen that says **The Camera Is Not Responding**, see page 6-14.)



2 Click the picture you want, or click **Select All**.

You can also view, rotate, or enhance the picture(s) or see picture information before you export, as described on page 6-11.

3 Click the **Export Photos** button. The Save As dialog box appears:



4 Type a file name. If you're exporting more than one image, the software will add numbers to identify each one.

5 Select the file type from the pull-down menu. You can choose any of the following formats:

- PICT (Macintosh only)
- JPEG
- Bitmap (BMP)
- PCX

6 Click **Save**. Your pictures are transferred one by one.

NOTE
You cannot open exported photos in EPSON Photo!3. Use Image Expert to view and edit the exported images.

7 Click **Erase Photos** if you want to remove the pictures from your camera.

Here are some additional things you can do with EPSON Photo!3:

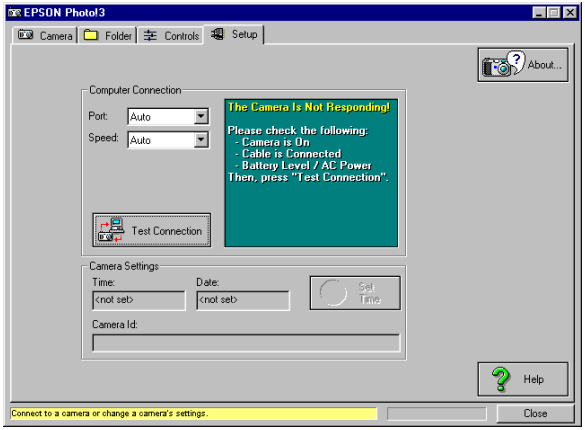
- Select the **Folder** tab and click **Browse** to locate and display pictures you have downloaded. You can then select a picture and click **Upload** to transfer a picture from your computer to the camera or an optional memory card. See Chapter 11 for more information.
- Select the **Controls** tab to change camera settings or view a live preview and take pictures from your computer. See Chapter 10 for more information.
- Set the camera's date and time from the **Setup** tab, or change your computer connection settings. See Chapter 10 for more information.

8 Click **Close** to exit EPSON Photo!3.

You can now insert your exported pictures in documents and other projects. For instructions, see page 7-2.

What To Do If the Camera Is Not Responding

When you try to acquire pictures from the camera or start the EPSON Photo!3 application, you may see a screen like the following:



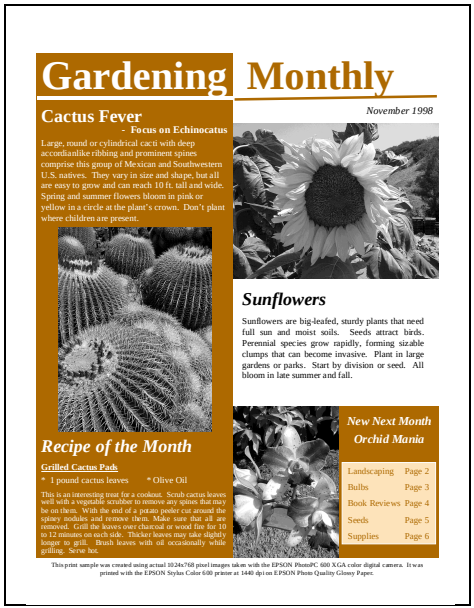
Follow these steps to fix your camera connection:

1. Check the cable and make sure the connections are secure. Make sure the pins inside the connector are not bent.
2. Make sure your batteries have enough power, or your AC adapter is connected.
3. Click Test Connection. If you see the same screen, continue with step 5.
4. Select another port if necessary. In most cases, it's best to leave the Port setting at Auto because EPSON Photo!3 can detect the camera connection automatically.

   If you have a serial device connected to one port and an internal modem on the other, you can try COM3 or COM4.

   If you're using a USB port, try selecting USB, then remove the USB cable from your computer and reconnect it.
5. Select a slower speed. EPSON Photo!3 automatically chooses the fastest speed that works with your system. This may actually be too fast for the configuration of your port. Try setting the speed to 57600. You may need to experiment to choose the best speed.
6. Click Test Connection again. If you still don't see your pictures, see Chapter 13 for more troubleshooting tips.

7 Getting Your Photos Into Documents



Gardening Monthly

November 1998

Cactus Fever

- Focus on Echinocatus

Large, round or cylindrical cacti with deep accordianlike ribbing and prominent spines comprise this group of Mexican and Southwestern U.S. natives. They vary in size and shape, but all are easy to grow and can reach 10 ft. tall and wide. Spring and summer flowers bloom in pink or yellow in a circle at the plant's crown. Don't plant where children are present.

Sunflowers

Sunflowers are big-leafed, sturdy plants that need full sun and moist soils. Seeds attract birds. Perennial species grow rapidly, forming sizable clumps that can become invasive. Plant in large gardens or parks. Start by division or seed. All bloom in late summer and fall.

Recipe of the Month

Grilled Cactus Pads

* 1 pound cactus leaves * Olive Oil

This is an interesting treat for a cookout. Scrub cactus leaves well with a vegetable scrubber to remove any spines that may be on them. With the end of a potato peeler cut around the spiney nodules and remove them. Make sure that all are removed. Grill the leaves over charcoal or wood fire for 10 to 12 minutes on each side. Thicker leaves may take slightly longer to grill. Brush leaves with oil occasionally while grilling. Serve hot.

New Next Month
Orchid Mania

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This print sample was created using actual 1024x768 pixel images taken with the EPSON PhotoPC 600 XGA color digital camera. It was printed with the EPSON Stylus Color 600 printer at 1440 dpi on EPSON Photo Quality Glossy Paper.

PhotoPC 800 provides several methods for getting your pictures into presentations, letters, and other projects. You can drag and drop a picture from an Image Expert album into a document or presentation. You can also import an image into your application, or copy and paste it. With Windows, you can use the Camio™ Viewer to drag a picture directly from the camera and drop it into your project. This chapter describes the following:

- Importing images into documents
- Getting images with copy and paste
- Using drag and drop from an album
- Getting images with the Camio Viewer

Although most of the instructions and illustrations in this chapter apply to Windows 95 and 98, you can follow the same steps on a Macintosh or Windows NT 4.0.

Importing Images Into Documents

Once your pictures are transferred and saved on your hard drive, you can import them into your applications. You may need to convert your images if you didn't export them from the camera (as explained in Chapter 6) and your application can't import JPEG files. Or you can use the Save As feature of Image Expert to convert image files.

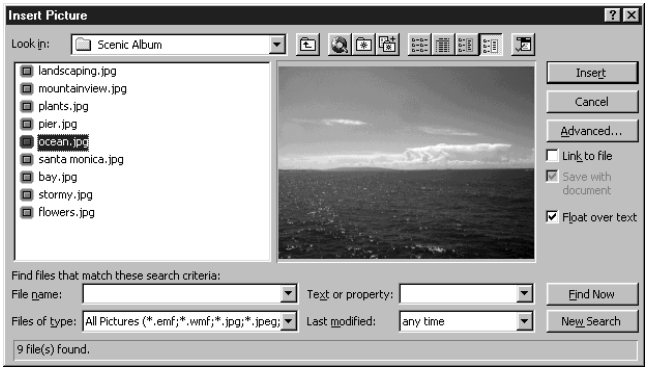
NOTE

Your picture may display poor image quality after you import it. However, in most cases it will print correctly.

Follow these steps to import a PhotoPC 800 picture into your document:

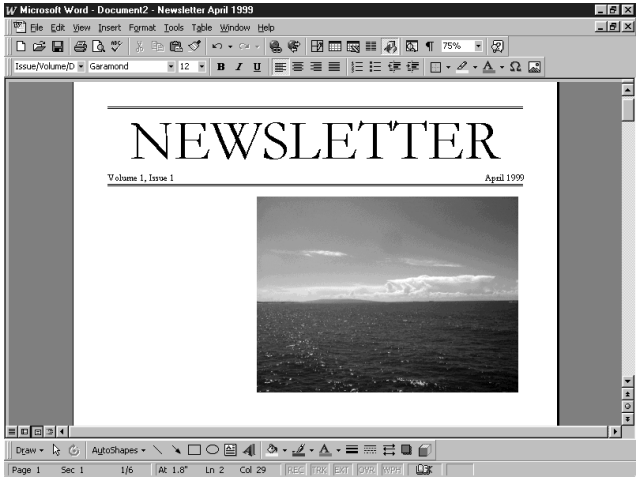
1. Start your application.
2. Open the document where you want to use the picture.
3. Select the point where you want to place your picture.
4. Select Picture from the Insert menu. (In some applications you may need to select a different command, such as Import Picture, which is usually in the File menu.)

   An Insert Picture dialog box appears (your dialog box may look different, depending on your application):



5. Locate and select the image you want to insert. In some applications you can see a preview of your picture.

6 Click OK (or Insert, Import, or whatever command your application uses) to insert your picture. The picture appears in your document.



NOTE

In some applications, you can add a frame around the picture if you want to move it around on the page or resize it. In other applications, you create a frame first and then place the picture in it. For instructions, see your application's online help or documentation.

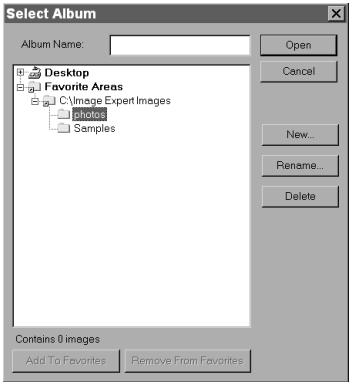
Getting Images With Copy and Paste

You can use this method to place a picture in just about any type of document or project. You should already have transferred your picture from the camera to your hard disk. Follow these steps:

1 Start Image Expert. (See page 6-5.)

2 Click View Pictures from an Existing Album. Or, from the Image Expert screen, click the Open Album button or select Open Album from the File menu.

You see a dialog box like the following:



3 Locate the album you want and double-click it to open it. When a filmstrip of album images appears in the Image Expert window, click the picture you want to copy.

4 Click the **Copy** button or select **Copy** from the Image Expert Edit menu.

5 Start your word processor or other application.

6 Open the document where you want to use the picture.

7 Choose **Paste** (or **Paste Special**) from your application's Edit menu. A copy of the picture appears in your document.

Using Drag and Drop From an Album (Windows Only)

Once you have transferred your pictures into albums, you can easily drag and drop them into documents or other projects.

NOTE

Dragging and dropping an image into a document works only with OLE-2.0-compliant applications, such as Microsoft Word,® PowerPoint,® WordPerfect,® or Lotus SmartSuite.® Depending on how well your application supports OLE 2.0, your images may not look as good when you drag and drop them as when you import them.

Follow these steps:

1. Start Image Expert as described on page 6-5.
2. Click View Pictures from an Existing Album, or click the Open Album button from the Image Expert screen.
3. Locate the album you want and double-click it to open it.
4. Start your word processor or other application.
5. Open the document where you want to use the picture.

You should have both the Image Expert album and the document displayed on your screen, as shown:

6. Click the image you want.
7. While holding down the mouse button, drag the image to the location where you want it in your document.
8. Release the mouse button. The picture appears in your project or document.

If you want to edit or modify the picture, just double-click it on the Image Expert window to bring up the Image Expert menus and toolbar.

Getting Images With the Camio Viewer (Windows)

The Camio Viewer is a quick and easy way to get pictures from the camera. You can transfer all images to your computer, or just display the pictures in the camera. Then you can drag a picture directly into a presentation or document.

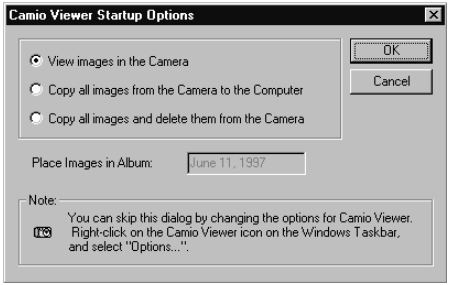
NOTE

Dragging and dropping an image with the Camio Viewer works only with OLE-2.0-compliant applications running under Windows 95, Windows 98, or Windows NT.

First you need to connect the camera to your computer as described in Chapter 6. Then follow these steps:

1 Double-click the camera icon on the right end of your Windows taskbar.

You see the Camio Viewer Startup Options dialog box:



2 Choose one of the following options:

- View images in the Camera
  Displays a filmstrip of your pictures. You can then select an image to drag and drop into a document or presentation. (The image will be embedded in your document, and will not be available as a separate file.)

- Copy all images from the Camera to the Computer
  Transfers your pictures to an album (folder) on your hard drive. You can then select an image to drag and drop.
- Copy all images and delete them from the Camera
  Transfers your pictures to an album (folder) on your hard drive and deletes them from the camera. You can then select an image to drag and drop.

3 Continue with the steps in one of the following sections, depending on the option you chose in step 2.

Dragging and Dropping a Picture Into a Document

Follow these steps if you chose View images in the Camera:

1 Click OK. Your pictures appear in a strip of thumbnail images:

2 Open the application and document where you want to use the picture.

3 Click the picture you want to use. Without releasing the mouse button, drag the picture to your document. When your pointer is over the location where you want the picture to appear, release the mouse button. The picture is downloaded from the camera, and it appears in your document.

If you want to edit or modify the picture, just double-click it in the Camio Viewer filmstrip to bring up the Image Expert menus and toolbar. For more information about the Camio Viewer, choose Quick Tour from the Image Expert Help menu.

NOTE
When you drag and drop with the Camio Viewer, your picture is not saved as a separate image file on your hard drive. You have to transfer your image first if you want it to be available as a separate image file.

Transferring Images Before Placing Them

Follow these steps if you chose Copy all images:

1 Click OK to copy your pictures to an album named with the current date. Or, type a new name for the album and click OK. Your pictures are transferred one by one. They appear in a strip of thumbnail images, as shown on the previous page.

2 Follow steps 2 and 3 in the previous section to drag and drop a picture into a document or other project.

8 Working With Photos and Albums

You can use Image Expert albums to organize and display your pictures. You can print using dozens of predefined layouts. On Windows systems, you can also record sounds for each image, copy an album to diskette, use your images as wallpaper, and more. This chapter covers the following:

- Using albums
- Printing an image or album
- Adding sound to an image
- Displaying albums as slide shows
- Using an album as a screen saver
- Setting an image as wallpaper
- Copying to diskette or Zip™ disk
- Sending pictures and sound by e-mail

Using Image Expert Albums

Image Expert albums provide a convenient way to access and view your pictures. Here are some of the things you can do with albums:

- Organize pictures in albums
- Rename a picture
- View picture information

Organizing Pictures in Albums

Although Image Expert initially sorts your pictures by date, you can easily drag and drop images between albums to organize them by subject matter or in any way you want.

Follow these steps to copy or move images from one album to another:

1 Open the album you want to copy the images to and the album where the pictures are located.

If you want to create a new album, click the **New Album** button or select **New Album** from the File menu.

2 Select the image or images you want to move or copy. Hold down the **Ctrl** (**Option** on Macintosh) or **Shift** key to select multiple images.

3 To copy or move images, click inside one of the selected images and hold down the mouse button.

4 Drag the image(s) to the other album.

5 When the second album is highlighted, let go of the mouse button.

The images are copied to the album. You can sort the pictures and save or rename the new album.

Renaming a Picture

You can easily rename a picture displayed in an Image Expert album. Follow these steps:

1 Click the picture to select it, then click the name that appears above the picture. The name is highlighted.

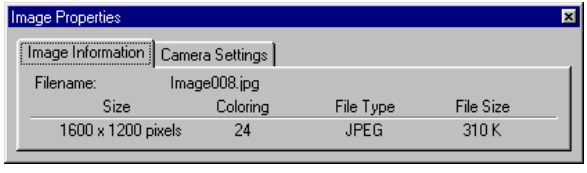
2 Type in the new name and press **Enter** or click outside of the name area. The new name appears above the picture and is saved.

Viewing Picture Information

You can display information about any image file and the camera settings that were used to capture it. Follow these steps:

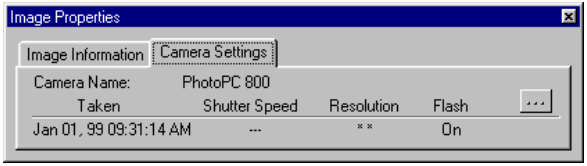
1 Click the picture to select it, or double-click it to open it.

2 Click the **Properties** button or select **Properties** from the Image menu. You see information like the following:



8

3 Click the **Camera Settings** tab to display information like the following:



4 Click another image to view its information, or close the Properties box.

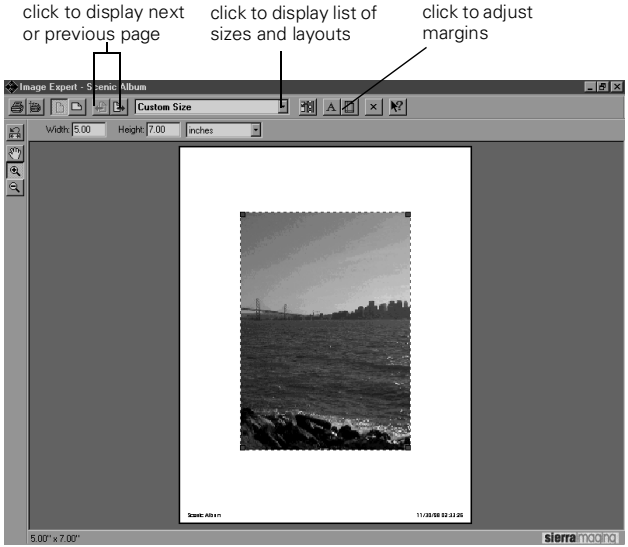
Printing an Image or Album

Image Expert offers many choices for printing an individual picture or album with titles, labels, or any text you want to add. You can print an image at full size (one per page) or choose the number of prints per sheet of paper. You can also specify a size, or print combinations with standard sizes for framing.

Follow these steps to print:

1 Open the image or album you want to print.

2 Click the **Print Layout** button or choose **Print Layout** from the File menu. The Print Layout window appears:



The image in the center of the screen shows you a preview of your printout.

3 Follow the instructions in the sections below to adjust printer settings, choose your layout style, select album images, add text, and adjust the printed area for your images.

4 When you're finished designing your layout, click the Print button to print your picture(s).

Choosing the Layout Style

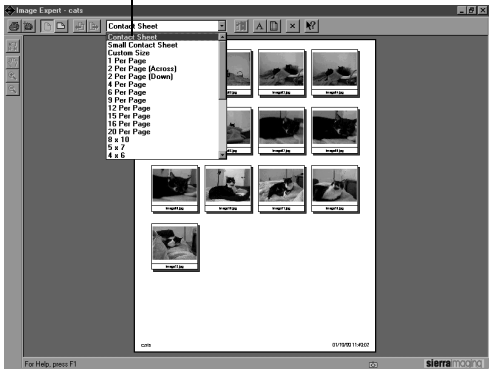
You can choose portrait or landscape orientation and select from a variety of layouts.

Follow these steps:

1 Click the Print Setup button if you need to select your printer or paper size. Otherwise, all layouts are set up for a standard letter-size sheet.

2 Click the Portrait button or Landscape button to change the orientation of the page.

3 Click the down arrow next to the size box to display the drop-down list of sizes and layout choices:



when you're printing an album, you can choose from two types of contact sheets

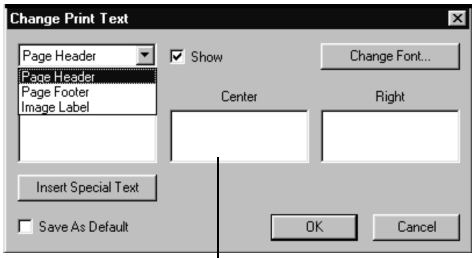
4 Choose the size and number of images you want per page. If you need a custom size, choose Custom Size. You can then enter exact dimensions for your picture, or size it interactively in the layout window.

5 When the preview shows the layout you want, you can click the Print button or follow the instructions in the next sections to add text or make other adjustments to your printout.

Adding Text

If you want to have image labels or page headers or footers printed with your pictures, follow these steps:

1 Click the Edit Text button . The Change Print Text dialog box appears:

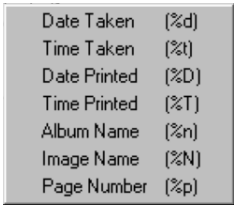


Type here if you want your text centered under the picture or on the page. Otherwise, type it in the Left or Right box.

2 Select Page Header, Page Footer, or Image Label, and then type the text you want to use in the Left, Center, or Right boxes (depending on how you want it to display). You can type different text for each box.

3 Click Change Font to set the font size, style, color, and so on for your header, footer, or labels.

4 Click Insert Special Text to choose one of the following for your header, footer, or labels (only some of the choices are available for each):

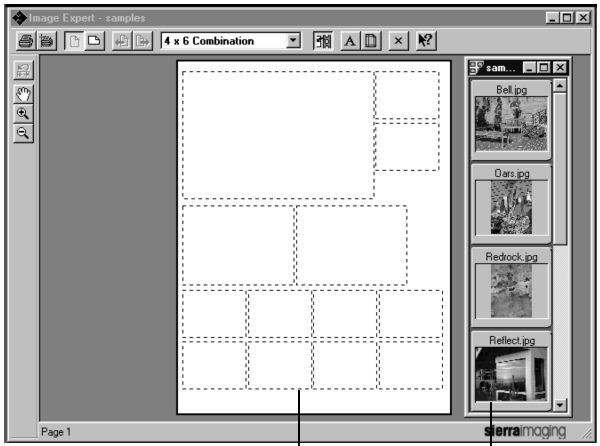


5 When you're finished designing your text, click OK. The text is previewed on your layout in the center of the screen.

Choosing Album Images

If you're printing an album, Image Expert uses as many pages as necessary to print the entire album. If you don't want to print all the images, you can choose the ones you want and position them in your layout. Follow these steps:

1 Click the Pick Images button . Your album appears in a "filmstrip" on the right side of your screen.



2 Choose the images you want to print, and drag each one where you want it to appear in the layout.

You may notice that some images are cropped. If you want to adjust the cropping, or zoom an image in or out, follow the instructions in the next section.

Adjusting the Printed Area

You can zoom in on an image, and then move it around to display just the portion you want. Follow these steps to adjust the printed area:

1 Double-click the image you want to adjust.

The other images fade out, and the sizing tools on the left side of the screen become active.

2 Click the **Zoom In** tool and then click on an image to enlarge and crop it.

You can also click the **Zoom Out** tool to reduce your image and display more of it.

3 Click the **Move** tool and then click on an image to move it and choose the portion you want to display.

4 Click the **Reset Size** button to return to the default size and layout.

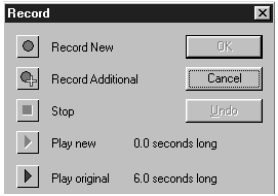
5 When the preview shows the layout you want, you can click the **Print** button to produce your printout.

Adding Sound to an Image

If your Windows system includes a microphone and a 16-bit sound card with speakers, you can add voice or musical annotations to your pictures. Follow these steps to add sound to a picture in Image Expert:

1 Select the image you want to add sound to.

2 Click the Record button on the left side of your screen or select **Record Audio** from the Annotation menu to open the Record dialog box:



3 Select the option you want:

- To add sound to an image, choose Record New.
- To add additional sound to an existing audio clip, choose Record Additional.
- To end your recording, choose Stop.
- To listen to your new recording, choose Play New.
- To listen to your original recording, choose Play Original.

4 If you like your new recording, click OK. Otherwise, click Undo to delete the new recording, then repeat step 3 to make a new recording.

Playing Back Sounds

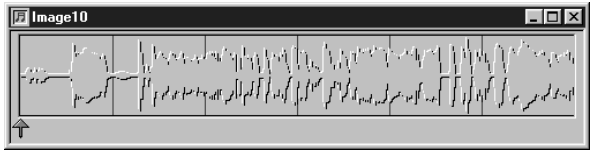
When you open an image that has audio attached to it (indicated by a music note), the audio clip automatically plays.

You can also select an image and use the buttons on the left side of the Image Expert window to listen to its audio clip:

Editing Sounds

You can use Image Expert to modify your recorded sounds by cutting or copying and pasting from one clip to another. Follow these steps:

1. Select an image that has an audio clip.
2. Click the **Edit Audio** button, or choose **Edit Audio** from the Annotation menu. The sound wave window opens:



3. Click and drag to select a section of the audio clip, or the entire clip. You can perform the following operations:
   - Click the **Play** button to hear the section you selected.
   - Select **Cut** from the Edit menu to remove it.
   - Click **Copy** from the Edit menu to copy it.
   - Select another image and click **Paste** from the Edit menu to add the sound clip to the new image.

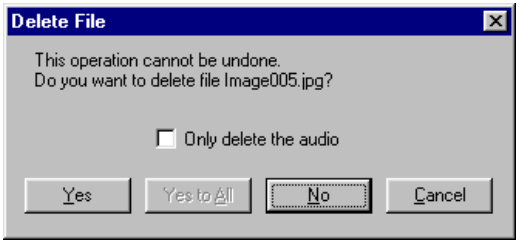
NOTE

To adjust recording or playback volume or modify other features, select **Audio Properties** *from the Annotation menu. You can also click the sound icon on your Windows taskbar. Use the volume control on your speakers to quickly adjust playback volume.*

Deleting Sounds

To delete an audio clip, follow these steps:

1. Select the image with the sound you want to delete.
2. Select **Delete** from the Edit menu, or press the **Delete** key on your keyboard. The following message appears:



3 Check the **Only delete the audio** box, then click **Yes**.

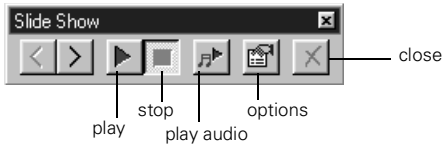
Displaying Albums as Slide Shows

When you display an Image Expert album as a slide show in Windows, you can have it play automatically with various transition effects between images. Follow these steps:

1 Open your album.

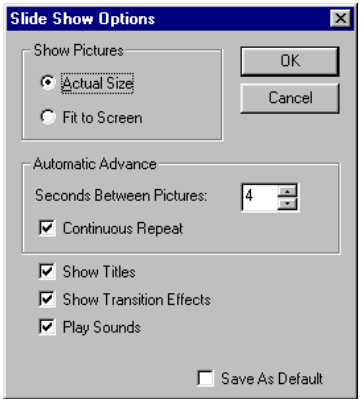
2 Click the **Slide Show** button or select **Slide Show** from the View menu.

The first image appears on your screen with the slide show controls:



3 Click the Play button to see the slide show.

4 To change the look of your slide show, click the Options button. The Slide Show Options dialog box appears.



5 Set any of the following options and click **OK**:

- To stretch your pictures across the whole screen, click **Fit to Screen**.
- To change the display period for each picture, change the number in the **Seconds Between Pictures** box.

- To play the slide show only once, click Continuous Repeat to deselect it.
- To hide the titles of your pictures, click Show Titles to deselect it.
- To turn off the fades and dissolves that play between pictures, click Show Transition Effects to deselect it.
- To turn off audio clips attached to your images, click Play Sounds to deselect it.

6 Click the Close button to stop the slide show.

Using an Album as a Screen Saver

If you're using Windows, it's easy to make your own screen saver with your favorite pictures. Follow these steps:

1 Open the Image Expert album you want to use.

2 Choose Set Screen Saver from the File menu. Image Expert asks you to confirm your choice.

3 Click Yes.

Windows will play a slide show of your album whenever your system is idle.

NOTE

The screen saver slide show doesn't include controls. If you want to change the way your pictures are displayed, you have to use the screen saver settings in your Control Panel. See your Windows documentation or Help system for more information.

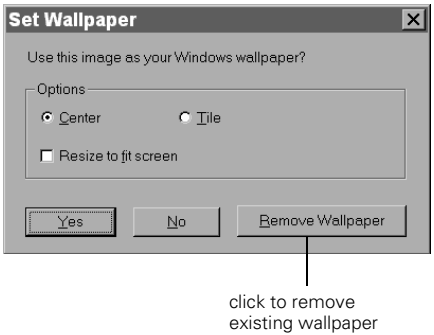
Setting an Image as Wallpaper

If you're using Windows, you can use one of your own pictures as your desktop background. Follow these steps:

1 Open or select your image in an Image Expert album.

2 Choose Set As Wallpaper from the File menu.

The following dialog box appears.



3 Choose Center to place your picture in the middle of the screen or Tile to fill the screen with copies of your picture.

4 If you want the image to be stretched across the whole screen, click Resize to fit screen.

5 Click Yes. (If you change your mind, click Remove Wallpaper.)

You can minimize Image Expert to see your new wallpaper.

Copying to Diskette or Zip Disk

If you're using Windows, you can copy Image Expert albums or individual images to diskettes or Zip disks. You can also include a player, so your friends and business associates can view your pictures on their computers. This makes your images and albums completely portable.

Follow these steps:

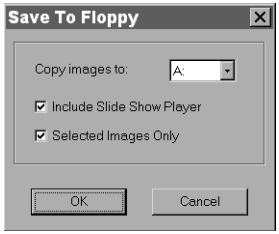
1 Insert a diskette into your diskette drive or a Zip disk into your Zip drive.

2 Open the Image Expert album you want to copy.

If you don't want to include all of your images, select the images you want to add. To select more than one image, hold down the Ctrl or Shift key.

3 Select Save To Floppy from the File menu.

You see the following dialog box:



4 Make sure your diskette drive or Zip drive letter appears in the Copy images to box.

5 To include a slide show player to view the pictures, make sure Include Slide Show Player is checked.

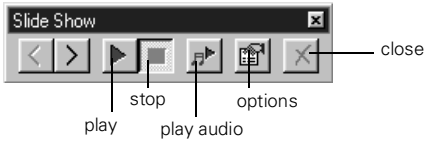
6 If you want to copy the whole album, make sure there is no check mark next to Selected Images Only.

NOTE
Make sure your diskette (or other storage device) is not write-protected before you try to copy.

7 Click OK to copy your files.

Viewing the Pictures on Diskette or Zip Disk

To run the slide show, double-click the player icon or player.exe file. The pictures appear on your screen with the slide show controls, as shown below:



See page 8-11 for instructions on setting slide show options.

Sending Pictures and Sound by E-mail

If you're using Windows and your e-mail application complies with the MAPI (messaging application programming interface) standard, you can send a picture directly from Image Expert. For example, you can use Inbox or Microsoft Exchange. You need to set up Microsoft Exchange to work with your Internet service.

NOTE

If you can't e-mail pictures directly from Image Expert, you can always send an e-mail message as you do normally and attach one or more image and sound files.

Before you start, make sure your modem and Internet service are working correctly and your e-mail application is configured. Then follow these steps:

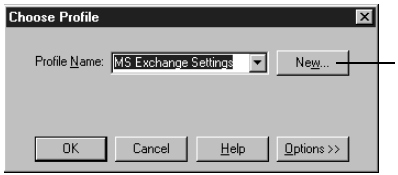
1 Open an album in Image Expert.

2 Select or open the image(s) you want to send. Some e-mail systems may limit the number of images you can send in a single message.

NOTE

If no images are selected, all images in the album will be sent.

3 Choose Send from the File menu. You see the Choose Profile dialog box.



4 Choose the profile you want to use.

Click New if your Internet service has not been set up to work with Microsoft Exchange. For more information about setting up Microsoft Exchange, see your Windows documentation or help system.

5 Click OK. Your e-mail application opens, and the image(s) you selected appear as attachments.

6 Type the e-mail address where you're sending the picture(s). You can also type in a subject heading and message if you want.

7 When your e-mail is ready, click whatever button your application uses to send. The picture(s) are mailed.

Your e-mail application closes, and Image Expert becomes active again.

9 Editing Images

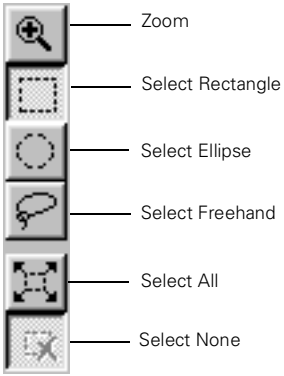
You can edit your images to enhance their appearance, crop, rotate, and resize them, or create special effects. This chapter describes the following Image Expert features:

- Viewing and selecting images
- Applying Quick Fix
- Correcting an image
- Cropping an image
- Resizing an image
- Rotating and flipping an image
- Applying special effects
- Changing the number of colors

Viewing and Selecting Images

When your image is displayed in an album, you can rotate it or do a quick fix. However, to use any other editing features, you need to open the image by double-clicking it or selecting Open Image from the File menu.

Before you edit your image, you may want to use the Zoom and selection tools on the left side of your screen.



- Click Zoom, and then click anywhere on your image to enlarge your view. Right click or hold down the control key and click to zoom out.
- Use one of the three selection tools (Select Rectangle, Select Ellipse, Select Freehand) to isolate a part of your image before you edit it. Click the tool, then click and drag on your image to select the portion you want to work on.
- Click Select All to select your entire image or all the images in an album.
- Click Select None to deselect your image or images.

NOTE

For more information about any of the editing tools described in this chapter, use the Help menu.

Applying Quick Fix

The easiest way to improve your image is to have Image Expert automatically "correct" it with the Quick Fix command. Follow these steps:

1. Double-click your image to open it in the Image Expert window.
2. Click the Quick Fix tool or select Quick Fix from the Image menu.

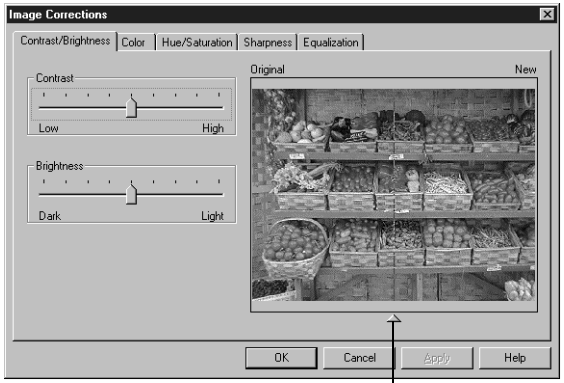
If you don't like the results, simply select Undo Quick Fix from the Edit menu.

NOTE
If you Quick Fix an image displayed in an album (without opening it in the Image Expert window), you can't undo it.

Correcting an Image

To fine-tune an image, follow these steps:

1. Double-click your image to open it.
2. Click the Corrections tool or choose Corrections from the Image menu. You see a window like the following:



click and drag to adjust the division between the original and edited preview

3 Click the tabs at the top of the screen to make these kinds of corrections:

- Contrast and Brightness
  For adjusting the amount of light in your image and the difference between light and dark areas.
- Color
  For correcting color casts and adjusting the balance of cyan (blue), magenta (red), and yellow; and red, green, and blue in your picture.
- Hue/Saturation
  For adjusting colors around the "color wheel," the strength or purity of color, and the brightness of your image.
- Sharpness
  For emphasizing or de-emphasizing edges and details.
- Equalization
  For increasing and brightening detail in dark areas of your image.

Each dialog box tab includes sliders for quickly and easily correcting your image. Simply move the slide indicator left or right to make your edit.

The preview window shows your image with the original view on the left and the corrected image on the right. If you want to adjust the division between the original and edited image, click and drag the triangle below the image. You can also zoom in on your image to see more detail.

4 Do one of the following:

- Click Apply to make your changes on the current tab. Your edited image becomes your new original and the slide indicators move to the center of the range.
- Click OK to save the changes you made on all the Corrections tabs and return to the main screen.
- Click Cancel to cancel the changes on the current tab and return to the main screen.

Cropping an Image

If you want to save only part of your image, use the crop function to cut out the rest of the image. Follow these steps:

1 Double-click your image to open it in the Image Expert window.

2 Click one of the selection tools.

3 Click and drag the mouse over the area you want to save. A dashed border indicates the area you selected.

selected area

4 If you change your mind about which part of the image to crop, simply click anywhere outside the selected area of the image and repeat step 3.

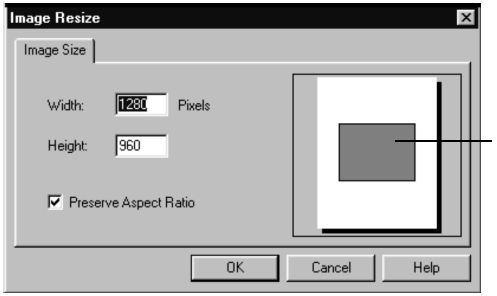
5 Click the Crop tool or choose Crop from the Image menu. The part of the image that was outside the dashed line disappears.

Resizing an Image

You can resize your image by changing the number of pixels. This lets you maintain the image's original resolution or pixels per inch.

1 Double-click your image to open it in the Image Expert window.

2 Choose **Resize** from the Image menu. You see a dialog box like the following:



3 Type a new number for the width or height.

To maintain your image's proportions, both numbers change together. If you want to distort your image, click **Preserve Aspect Ratio** to deselect it.

Rotating an Image

You can click the Rotate tool to quickly rotate a picture to the right. For more options, open the image you want to change and select **Rotate** from the Image menu.

NOTE

If you rotate an image displayed in an album (without opening it in the Image Expert window), you can't undo it.

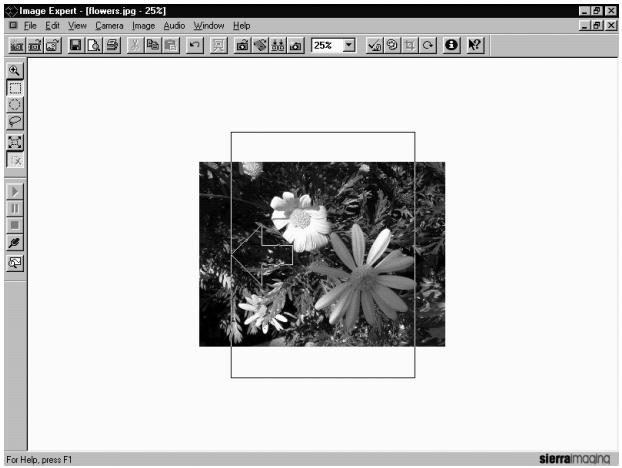
You can choose one of the following:

- **Left** (90 degrees counterclockwise)
- **Right** (90 degrees clockwise)
- **Exact** (specify the degree of rotation)
- **Free** (interactive rotation, as described below)

If you want to experiment with rotation, choose Free and follow these steps:

1 Click on your image and hold down the mouse. Your pointer turns into the rotation tool.

A rectangular outline of your image and an arrow appear, as shown:



2 Move the pointer to rotate your image.

3 Release the mouse when your picture is at the angle you want.

Flipping an Image

You can reverse your image by following these steps:

1 Double-click your image to open it in the Image Expert window.

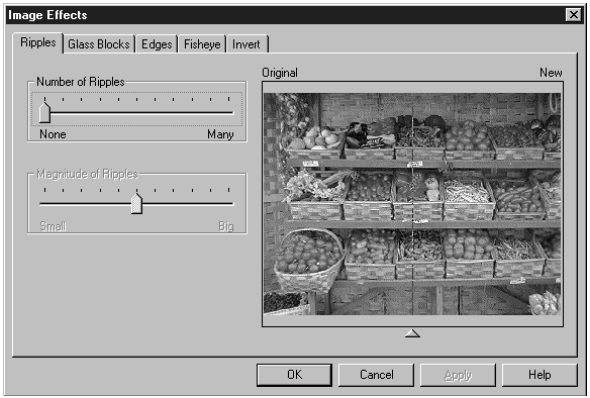
2 Do one of the following:

- Select Flip Horizontal from the Image menu. (This is useful for printing T-shirt transfers.)
- Select Flip Vertical to turn your image upside down.

Applying Special Effects

To transform or distort your images in interesting ways, follow these steps:

1 Open your image in the Image Expert window, then choose **Effects** from the Image menu. You see a dialog box like the following:



2 Click the tabs at the top of the screen to add these effects:

- **Ripples**
  For an underwater effect. You can create whirlpool effects or just a slight distortion.
- **Glass blocks**
  You can change the number and size of the blocks.
- **Edges**
  To sharpen edges. You can also blend the image into a light or dark background.
- **Fisheye**
  To distort the center of the image, as if looking through a glass ball.
- **Invert**
  To create a negative of your image, or to "solarize" it.

Each dialog box tab includes sliders for applying the effect. Slide the indicator to the right to increase the distortion. You can combine several filters for even more unusual effects.

The preview window shows your image with the original view on the left and the distorted image on the right. If you want to adjust the division between the original and filtered image, click and drag the triangle below the image. You can also zoom in on your image to see more detail.

3 Do one of the following:

- Click Apply to make your changes on the current tab. Your distorted image becomes your new original and the slide indicators move to the center of the range.
- Click OK to save the changes you made on all the Effects tabs and return to the main workspace.
- Click Cancel to cancel the changes on the current tab and return to the main workspace.

Changing the Number of Colors

To convert the color format of your image, open it and select Number of Colors from the Image menu. You can choose from the following:

- 24 Bit (Millions of Colors)
  The way your images are originally captured.
- 8 Bit (256 Colors)
  For low-resolution display systems or certain types of software.
- Grayscale (256 Shades of Gray)
  For printing in black and white.

If you save your image as 8 Bit or Grayscale, you cannot switch back to 24 Bit color.

NOTE

Unlike the other editing options, changing the number of colors applies to the whole image. You can't change the number of colors for a selected area only.

10 Operating the Camera From Your Computer

When the camera is connected to your computer, you can take pictures with a live preview on your computer screen to help you frame each shot. You can also set the camera's clock and adjust a number of other settings from your computer.

This chapter covers the following:

- Taking pictures from your computer
- Adjusting camera settings from your computer

NOTE

You can use either Image Expert or EPSON Photo!3 to take pictures from your computer, adjust camera settings, and transfer images. PhotoPC 800 allows you to choose the application that best meets your needs and preferences.

Taking Pictures From Your Computer With Image Expert

When you connect the camera and take pictures from your computer, you see a live preview of each shot before you capture it. You can control camera settings from your computer, and even set the shutter speed.

NOTE

If you have the optional AC adapter, you can save on batteries by using it when you connect the camera to your computer. The AC adapter should be available where you bought your PhotoPC 800, or you can order it from EPSON Accessories. See page A-2 for more information.

Follow these steps to take pictures from your computer:

1. Connect the camera to your computer as described in Chapter 6.
2. Position the camera facing the subject. Using a tripod will give you the most control when setting up your shots. See page A-4 for instructions.
3. Turn on your computer, then turn the camera dial to either or . Open the camera lens.
4. Start Image Expert as described on page 6-5.
5. If necessary, close the Quick Tour and the Image Expert tip screen.
6. Click the **Camera Controls** button or choose **Controls** from the Camera menu.

You see a dialog box like the following:

7. Click **Continuous Update** to activate the live preview feature. The image you see is updated every 8 to 10 seconds, depending on your connection speed. You may need to move the camera or your subject until you see the image you want to capture.

   The colors in your live preview image may appear pale and washed-out. This will not affect the colors in your actual photograph.

You can click the Flash and Resolution buttons on the screen to adjust these settings just as you would by using the buttons on the camera. For more information about the flash and resolution (image quality) settings, see Chapter 3.

NOTE
When the camera is connected to your computer, you can't use any of the control buttons or the shutter button on the camera. You can operate these features only through your computer.

8 When your shot is ready, click Take Picture. The image is captured and processed.

9 Click Close when you're finished taking pictures from your computer.

NOTE
The live preview feature quickly drains your batteries. Make sure you turn it off as soon as you're finished, or use the optional AC adapter.

Using the Self Timer

You can use this feature to have your computer take a picture automatically, after a delay period that you can set. This allows you to take self-portraits and other specialized shots.

Follow these steps:

1 Click Self Timer. You see the following dialog box:

2 Enter a number for the delay period you want to use. You can set up to a 120-second delay.

3 Click Start/Stop to start the countdown and take the picture. The red timer light on the camera remains on for the delay period you entered. Then the light flashes rapidly for 2 seconds and the shutter is released.

The camera beeps and processes your picture.

Taking Pictures With EPSON Photo!3

You can use your EPSON Photo!3 application to take pictures from your computer, in the same way as Image Expert.

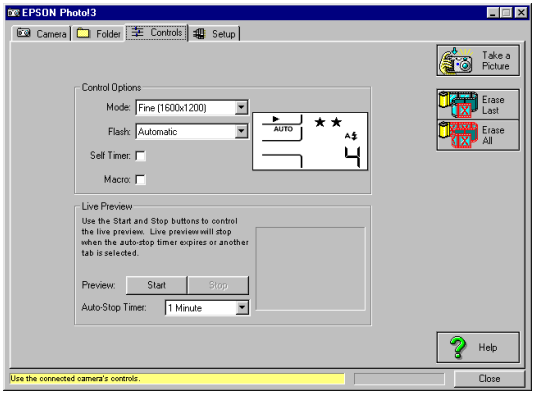
1 Connect the camera to your computer as described in Chapter 6, and then position the camera facing the subject.

NOTE
Using a tripod will give you more control when setting up your shots. (See page A-4 for instructions on using a tripod.)

2 Turn on both your camera and your computer, then open the camera lens. Make sure the camera dial is set to or .

3 Start EPSON Photo!3. (Click **Start**, and then point to **Programs**, **EPSON Photo!3 Ver.1**, **EPSON Photo!3 Ver 1**.)

4 Click the **Controls** tab. You see a dialog box like the following:



5 Click **Start** to display the live preview.

The colors in your live preview image may appear pale and washed-out. This will not affect the colors in your actual photograph.

You can use the Mode, Flash, Self Timer, and Macro controls on the screen to adjust these settings just as you would by using the buttons or LCD menus on the camera. (For information about using the camera's buttons, see Chapter 3. For information about using the LCD menus, see Chapter 4.)

6 When your shot is ready, click Take a Picture. The image is captured and processed.

7 Click Close when you're finished taking pictures from your computer.

The Auto-Stop Timer shuts off the live preview after one minute to save battery power. You can set the timer from 30 seconds to 5 minutes.

Adjusting Camera Settings From Your Computer

You can use either Image Expert or EPSON Photo!3 to change the following camera settings:

- Time
- Date
- Power down time (Image Expert only)
- Camera ID
- Connection Port
- Connection Speed

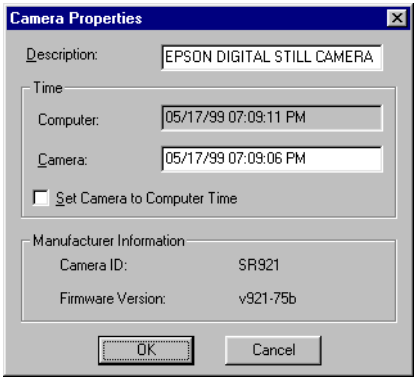
Changing Settings With Image Expert

You can change settings in Image Expert while you're viewing pictures in the camera. Follow these steps:

1 Connect the camera to your computer as described in Chapter 6.

2 Turn the camera dial to 🖸, then turn on your computer system.

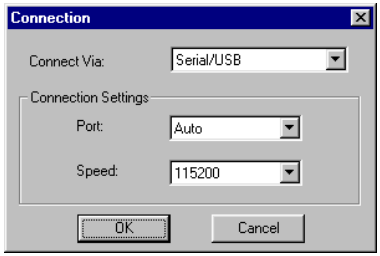
3 Start Image Expert, then select **Properties** from the **Camera** menu. The Camera Properties menu appears:



- Enter a new **Description** of the camera to change the default. This might be useful if you have more than one camera and you want to record its description in your picture data.
- Type in the **Camera Time** box to change the time and date. Or, click **Set Camera to Computer Time** to automatically synchronize your camera to your computer.

4 Click **OK** to save your settings and exit the Camera Properties dialog box.

5 If you want to adjust your port settings, select **Connection** from the **Camera** menu. You see the Connection dialog box:



- If necessary, select a new source. The standard selection is **Serial/USB**. If you're using a PCMCIA adapter to access a PC card slot, select **PC Card** in the **Connect Via** drop-down list. (**FlashPath** is not implemented on the PhotoPC 800.)

- Select another port if you want to change your connection. In most cases, it's best to leave the **Port** setting at **Auto** because Image Expert can detect the camera connection automatically.
- Select a different communication speed. Image Expert automatically chooses the fastest speed that works with your system. This may actually be too fast for the configuration of your port. You may need to experiment to choose the best speed. (See your Windows documentation or help system to change the port speed for your computer.)

6 Click **OK** to save your settings and exit the Connection dialog box.

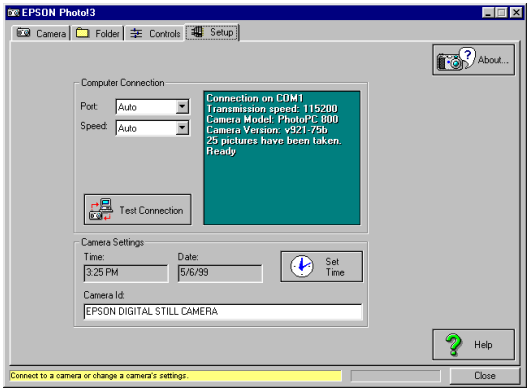
Changing Settings With EPSON Photo!3

You can also change settings in EPSON Photo!3 while you're viewing pictures in the camera. Follow these steps:

1 Connect the camera to your computer as described in Chapter 6.

2 Turn the camera dial to , then turn on your computer system.

3 Start EPSON Photo!3, then click the **Setup** tab to display the following dialog box:



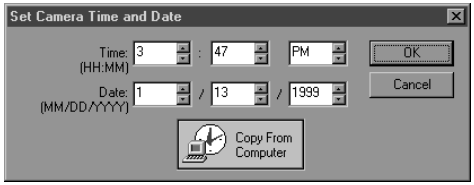
4 Change any of the following Computer Connection settings:

- Select another port if you want to change your connection. In most cases, it's best to leave the Port setting at Auto because EPSON Photo!3 can detect the camera connection automatically.
- Select a different communication speed. EPSON Photo!3 automatically chooses the fastest speed that works with your system. This may actually be too fast for the configuration of your port. You may need to experiment to choose the best speed.

5 Click Test Connection to make sure your new settings work with your system.

6 Click the Set Time button to change the camera's time and date settings.

You see a dialog box like the following:



Enter new values for the settings, or click Copy from Computer to have your camera automatically synchronized to your computer. Click OK to return to the Setup dialog box.

7 Enter a new Camera ID if you want to change the default. This might be useful if you have more than one camera and you want to be able to have its ID recorded in your picture data.

11 Using Your Camera for Presentations

You can connect your camera to a multimedia projector or television and show not just photos, but also text and graphics. The EPSON Photo File Uploader3 lets you transfer images from your computer to your camera's memory card. Anything you can display on your computer screen can be captured, converted, and uploaded. You can create and show a presentation without printing overhead transparencies or slides, and without a laptop computer.

This chapter explains the following:

- Uploading images to the camera's memory card
- Converting presentations
- Projecting your presentation

Uploading Images to the Camera

The EPSON Photo File Uploader3 software allows you to convert any image or presentation slide to the EPSON Photo file format and upload it to your CompactFlash memory card.

You can upload images in 640 × 480 pixel, 1600 × 600 pixel, or 1600 × 1200 pixel sizes. EPSON Photo File Uploader3 automatically converts images from their original size to whichever of these sizes you choose.

NOTE
Images that have been cropped will display black strips in the areas that have been cropped out.

Uploading Images From Your Windows PC

Before you start, make sure the camera is connected to your computer, the computer is on, and the camera dial is turned to 🖸. Then follow these steps:

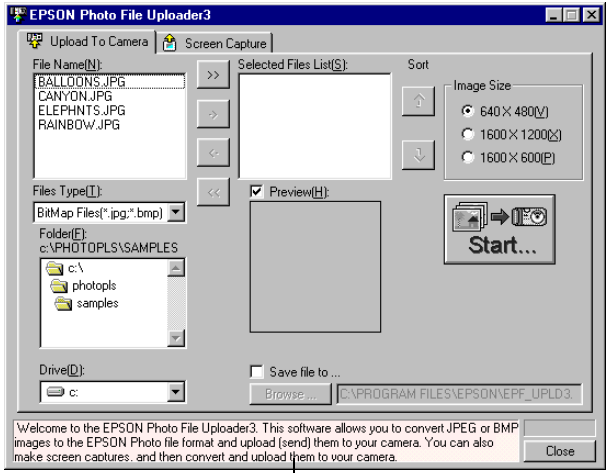
1. Start the EPSON Photo File Uploader3 program. Click **Start**, point to **Programs**, **EPSON PhotoFile Uploader3**, then click **EPSON Photo File Uploader3**. You see a screen like the one on the right.

   NOTE
   Only one application at a time can access the camera. Make sure neither EPSON Photo!3 nor Image Expert are running.

2. Use the **Drive** and **Folder** lists to locate the folder containing the images you want to upload. Double-click the folder to select it.

   The images in the folder are listed in the **File Name** box.

NOTE
If you want to upload images from a network drive, you may need to map the drive before opening the EPSON Photo File Uploader3 software. See your Windows documentation for more information.



check this box for helpful information

3 Select the format of the images you want to upload from the File Type list.

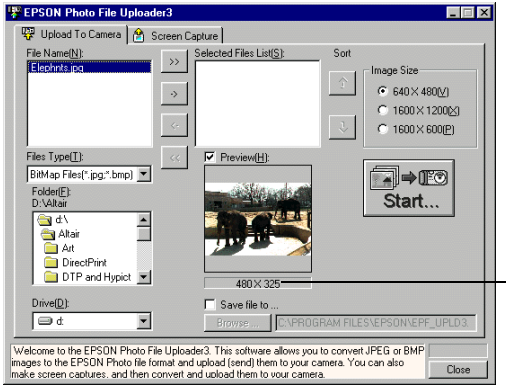
4 Select the images you want to upload in the File Name list. Then click the **–>** button. If you want to upload all the images in the list at once, click the **>>** button.

As you select files, they appear in the Selected Files List in the order they will be uploaded. This determines the sequence in which you can display the images.

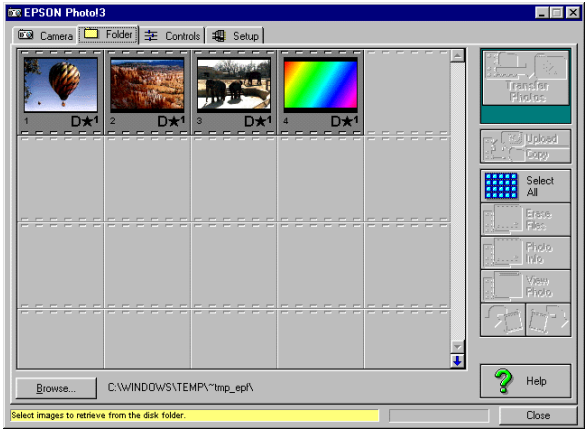
- To rearrange the uploading (and display) order, select the image you want to reorder, then click the ↑ or ↓ sort arrow.
- If you want to change your selection, click the **<–** button to remove selected files or click the **<<** button to remove all the files from the Selected Files List.
- If you want to preview a selected image and confirm its size, click the Preview checkbox.

5 For each file in the Selected Files List, choose an image size from the Image Size box. The File Uploader resizes your files during the transfer process.

If you want to save copies of the converted files on your computer, click the Save file to checkbox. Click Browse, then 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 Click the **Start** button to start uploading the images. EPSON Photo!3 opens and displays the images you selected:

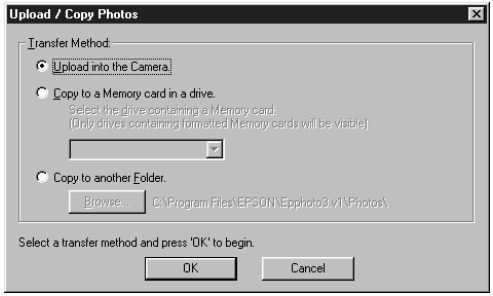


Depending on the number of images, you may have to wait a minute or so for EPSON Photo!3 to open.

7 Click **Select All** to select all the images, or select individual images by clicking the thumbnails in the image selection window.

8 Click **Upload/Copy**.

The Upload/Copy Photos dialog box appears:



9 Click **Upload into the Camera** to upload the images to your camera's memory card, or click **Copy to a Memory Card in a drive** to upload to a memory card installed in your computer's PCMCIA drive; then click **OK**.

The images are uploaded to the destination you selected. If you clicked the **Save file to** checkbox in step 5, the converted images are also saved to the folder you specified.

Uploading Images From Your Macintosh

Follow these steps to upload images to your camera from your Macintosh:

1. Make sure the camera is connected to the computer, that the computer is turned on, and the camera dial is turned to .

2. Double-click the EPSON Photo File Uploader 3 icon in the EPSON Photo File Uploader folder. The EPSON Photo File Uploader3 dialog box opens, as shown on the right.

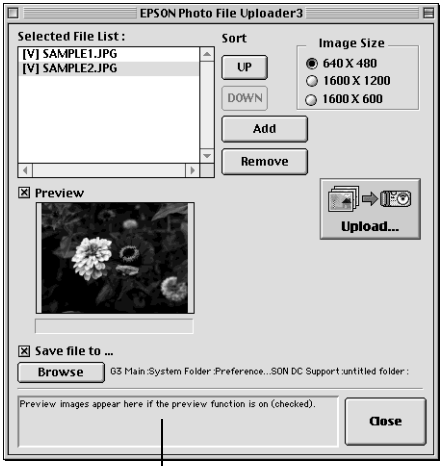
NOTE

Only one application at a time can access the camera. Make sure neither EPSON Photo!3 nor Image Expert are running.

3. Click Add. The Select Files dialog box appears.

4. Double-click the folder containing the images you want to upload, then select each file you want to upload and click Select.

If you want to preview a selected image and confirm its size, click the Preview checkbox. It takes a few seconds longer to select images with previews displayed.



check here for helpful information

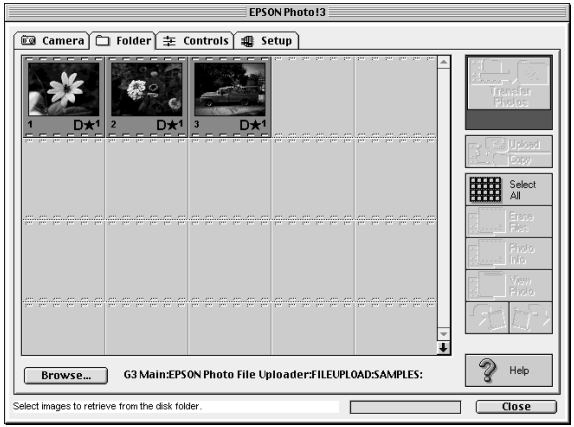
5 When you finish selecting image files, click **Done** to close the Select Files dialog box. The selected images appear in the **Selected File List** in the order they will be uploaded. This determines the sequence in which you can display the images.

- To rearrange the uploading order, select the image you want to reorder, then click **Up** or **Down**.
- To remove files from this list, select the file(s) and click **Remove**.

6 For each file in the **Selected File List**, select an image size from the **Image Size** box. The File Uploader will resize your files during the transfer process.

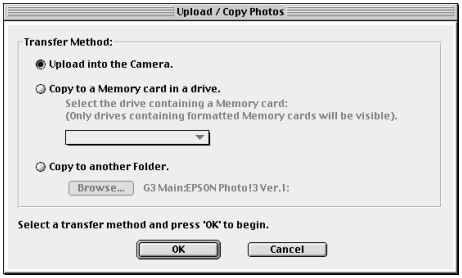
If you want to save copies of the converted files on your computer, click the **Save file to** checkbox before uploading the photos. Click **Browse** to open the Select Folder dialog box, then select the folder where you want to save the files. Click **Select:** to close the Select Folder dialog box. The folder you selected is displayed to the right of the **Browse** button.

7 Click **Upload**. A window opens to show you the progress of the file conversion. Then EPSON Photo!3 opens and displays the images you selected:



8 Click **Select All** to select all the images, or select individual images by clicking the thumbnails in the image selection window.

9 Click Upload. The Upload/Copy Photos dialog box appears.



10 Click Upload into the Camera to upload the images to your camera, or click Copy to a Memory Card in a drive to upload to a memory card installed in the PCMCIA drive of your Macintosh; then click OK. The images are uploaded to the destination you selected.

If you clicked Save file to in step 6, the converted images are also saved to the folder you specified.

11 Click Close to exit EPSON Photo!3.

Converting Presentations

If you want to upload a presentation or document that is not saved as a standard image file, you can make a "screen capture" of your computer desktop with the file open. This lets you turn any document or presentation into a series of image files that you can convert and upload to your camera's memory card.

NOTE

If you want to upload a PowerPoint presentation, you don't need to use this conversion procedure. You can save the slides as JPG files in PowerPoint, and then upload them into the camera. Choose Save As *from the PowerPoint File menu and choose* JPEG File Interchange Format *as the file type.*

Windows users can make screen captures from within the EPSON Photo File Uploader3 utility; Macintosh users need to use the standard Macintosh screen capture function.

Capturing Windows Screens

Before you start, make sure the camera is connected to your computer, the computer is turned on, and the camera dial is turned to 🖭. Then follow these steps:

1 Start the EPSON Photo File Uploader3 program. Click **Start**, point to **Programs**, **EPSON Photo File Uploader3 Ver.1**, then click **EPSON Photo File Uploader3**. You see the EPSON Photo File Uploader3 window.

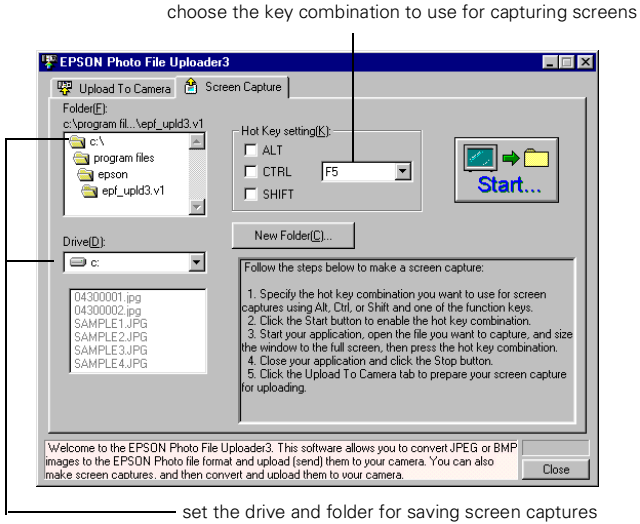
NOTE

Only one application at a time can access the camera. Make sure neither EPSON Photo!3 nor Image Expert is running.

2 Click the **Screen Capture** tab. The Screen Capture dialog box appears, as shown on the right.

3 Use the **Drive** and **Folder** lists to select the folder where you want to save the screen capture. To create a new folder for the images, click the **New Folder** button.

4 Specify the key combination you want to use for screen captures in the **Hot Key** setting box. Click the **ALT**, **CTRL**, or **SHIFT** checkbox, then select a function key from the hot key list. The default hot key is **F5**.



5 Click Start to activate the key combination. When the key combination is activated, the Start button changes to a Stop button. The key combination remains active only for the current session. To deactivate the hot key combination, press the Stop button.

6 Start your application and open the file to the page or image you want to capture.

NOTE
The entire screen is captured, not just the active window. Make sure you maximize your presentation before you capture it. If you set your application to "slide show" mode (or the equivalent) you can capture just the image you want, without menus and other screen elements.

7 Press the hot key combination you selected.

Your screen capture is assigned a file name and saved to the folder that you specified.

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

8 When you're finished, close your application and click the Stop button on the Screen Capture dialog box. The key combination you selected is erased.

If you want to upload your screen captures to the camera's memory card right away, click the Upload To Camera tab. The screen capture files appear in the File Name list. Then follow the uploading instructions starting with step 4 on page 11-3.

TIP
Presentations using large fonts (at least 18 point) work best.

Capturing Macintosh Screens

EPSON Photo File Uploader3 for the Macintosh does not have a screen capture feature. However, you can make screen captures using your Macintosh system software, then use EPSON Photo File Uploader3 to upload the screen captures to your camera's memory card.

The procedure may differ slightly, depending on your Macintosh. See your computer manual for more information.

Make sure the camera is connected to your Macintosh, the computer is turned on, and the camera dial is turned to . Then follow these steps:

1. Start EPSON Photo File Uploader3. Double-click the **EPSON Photo File Uploader 3** icon in the **EPSON Photo File Uploader** folder. The EPSON Photo File Uploader3 dialog box appears.
2. Start your application and open the file for the image you want to capture.
3. Press the **Command**, **Shift**, and **3** keys on your computer keyboard at the same time. Your Macintosh names and saves the screen shot on your hard drive (not in a folder).

   You can make as many screen shots as you'd like; simply repeat this step.

NOTE

- *If you're running OS 8.0 or later, you can capture just the active window. Press the* **Command**, **Shift**, *and* **4** *keys at the same time, then click the window you want to capture, or drag the cursor around that portion of the screen you want to capture.*
- *If you're running OS 7.5x, the entire desktop is captured, not just the active window. Make sure you make your document window as large as possible before you capture it. If you set your application to "slide show" mode (or the equivalent), you can capture just the image you want, without menus and other screen elements.*

4. When you're finished, 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 starting with step 3 on page 11-5.

Projecting Your Presentation

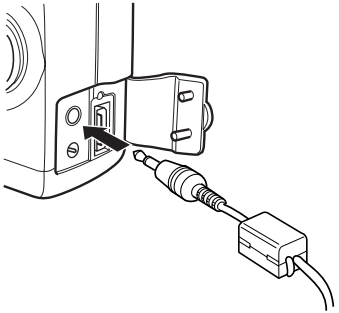
You can display the uploaded images on a multimedia projector, television, or other video output device. Use the video cable that came with your PhotoPC 800.

NOTE

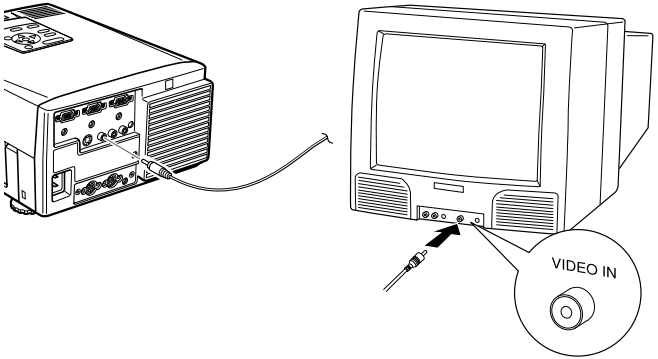
Using the optional AC adapter is highly recommended when you project your presentation. See page A-2 for instructions and ordering information.

Follow these steps:

1. Make sure your camera and TV or video projector are turned off.
2. Open the camera's connector cover and connect the black end of the video cable to the Video Out port, as shown below:



3 Connect the yellow end of the video cable to the VIDEO IN port on the TV or projector.



4 Turn on the TV or video projector and switch it to video mode.

5 Turn the camera dial to ▶.

The last image that you uploaded to the camera is projected. If you are using the optional AC adapter, you can also see the image on the LCD screen.

You can use the camera's slide show feature to play your images automatically, or play them one at time using the navigation buttons. You can use all of the camera's other playback features to show your presentation.

12 Printing Directly From the Camera

Your PhotoPC 800 camera lets you print your pictures directly to any of several EPSON Stylus® color ink jet printers, without using a computer. You can choose from a number of layout options, select the type and size of the paper you want to use, and print using optional filters and print modes. You can print directly from the camera to any of the following printers:

- EPSON Stylus Photo
- EPSON Stylus Photo 700
- EPSON Stylus Photo EX
- EPSON Stylus Photo 750
- EPSON Stylus Photo 1200
- EPSON Stylus COLOR 740

NOTE

Using the optional AC adapter is highly recommended when you're printing from the camera. The adapter should be available where you bought your camera. Or, see the Introduction for information on ordering an adapter from EPSON Accessories.

This chapter includes the following information about using the Direct Print program, which comes preinstalled in your camera:

- Connecting the camera to the printer
- Starting Direct Print
- Printing
- Removing and reinstalling the Direct Print program
- Reading error and status messages

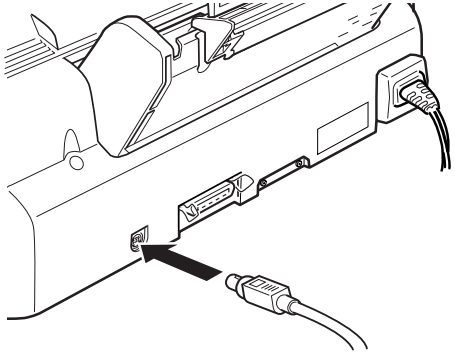
NOTE

The Direct Print program is designed to print on special ink jet media, including Photo Quality Ink Jet paper or cards, glossy film, Photo Paper, and photo stickers. If you use plain paper, your pictures will not print with the highest quality. See your printer user's guide for information on special ink jet media available from EPSON.

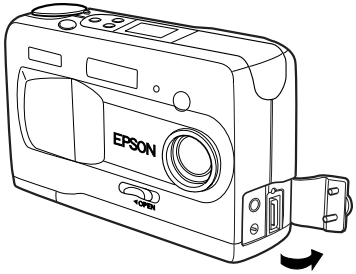
Connecting the Camera to the Printer

Before you start, make sure you have the Macintosh/Direct Print serial cable that came with your camera. Then follow these steps to connect your camera to the printer:

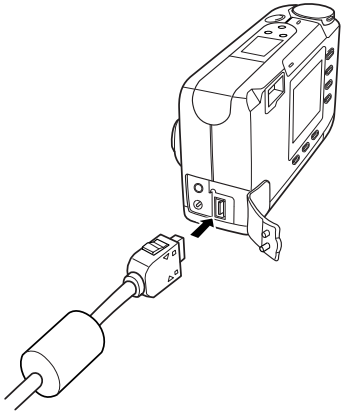
1. Make sure both the camera and printer are turned off.
2. Connect the round end of the serial cable to the serial connector on the back of the printer. Make sure the arrow on the connector faces up.



3. Open the connector cover on the side of the camera.



4 Align the connector on the square end of the serial cable and the camera's serial port. Then insert the connector.



Starting Direct Print

Follow these steps to start Direct Print:

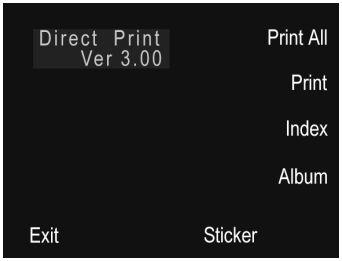
1 Make sure the printer is turned off.

2 If you have the optional AC adapter, connect it to the camera to save battery power (see page A-2).

3 Turn the camera's dial to .

4 DirectPrint appears on the LCD screen. Press the top button (next to DirectPrint).

You see the Direct Print main menu:



Follow the steps in the next section to print different types of projects.

NOTE
You can press the MENU *button to return to the previous screen while using Direct Print.*

Printing

You can print any selected image(s) or all the images in your camera on various types of paper. You can print full size images, sticker sheets with multiple copies of the same image, and greeting cards. You can even create an album of your images with descriptive text next to each photo. The Direct Print main menu offers these choices:

Print format	Description
Print All	Prints all the images stored on the memory card. You can print more than one copy of selected images.
Print	Lets you select the image(s) you want to print. You can print more than one copy of selected images.
Index	Prints a small thumbnail image of every picture on your memory card on contact sheets.
Album	Lets you print an album of selected pictures, with up to three different images on one sheet of paper. You can print one copy of each image.
Sticker	Prints 16 small or 4 larger copies of the selected image on sheets of EPSON Photo Stickers.

The following sections explain how you use these print formats to set up and print different types of projects.

Printing Single and Multiple Images

The Print and Print All formats let you print both single and multiple images on a page. These formats allow the greatest variety of options. You can print on different paper sizes with an assortment of layouts, and you can use any of the available filters, paper types, or print modes. The following table shows the way the printout appears for different paper sizes.

Layout options	Paper Size options			
	Letter	A6	A3	A4
3.5 × 5			—	
5 × 7		—	—	
6.5 × 8.5		—		
8 × 10	—	—		—
10 × 12	—	—		—

Load your paper in the printer following the instructions in your printer user's guide, then follow these steps:

1. On the Direct Print main menu (shown on page 12-3), select your print format. If you want to print all the images on your memory card, press the top button (next to Print All). If you want to print selected images, press the + button (next to Print). You see a screen similar to the following:

2. Select your Paper Size and Layout settings by pressing the button next to the setting. For example, to select Letter as the Paper Size setting, press the button next to Paper Size (the top button) until you see Letter displayed beneath the setting.

NOTE

The Paper Size and Layout settings are linked, so sometimes you'll see the Layout setting change as you cycle through the available Paper Size options.

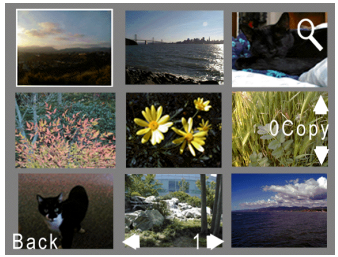
3. Press the W.B. button (below the down arrow) if you want to change the Information or Filter settings. You see a screen similar to the following:

Press the top button (next to Information) to change the Information setting. When the Information setting is On, your pictures print with the date and time they were taken.

Press the + button (next to **Filter**) to cycle through the filter choices if you want to modify the color of your printout. You can choose **Monochrome** to print your images in black and white, **Blue** to print them in blue tones, or **Sepia** to print them in brown tones for an old-fashioned look. If you select **None**, your color images print in color and your black and white images print in black and white.

4 When you're done making changes to the Information and Filter settings, press the **W.B.** button again to return to the previous screen.

5 If you want to select specific images (or print more than one copy of some images), press the bottom button (next to **Photo Selection**). You see thumbnail images of the first nine photos in the camera's memory card, with the currently selected image framed in white.



NOTE

You don't have to select images if you're using the **Print All** *format. However, you can choose to print more than one copy of some images.*

6 To select a different picture, press the ISO button (below the left arrow) or the W.B. button (below the right arrow) to move the selection frame backward or forward through your pictures.

7 Now select the number of copies of your picture that you want to print. Press the + button (next to the up arrow) or the – button (next to the down arrow) to increase or decrease the number of copies. A checkmark appears on your selected photo. (If you select 0 copies, the checkmark disappears.)

8 If you want to rotate your picture 90 degrees in either direction for printing, press the button next to Rotation (the bottom button). An orientation icon appears on the thumbnail image: to rotate clockwise 90 degrees, or to rotate counterclockwise 90 degrees. Press the button to cycle through the rotation options or turn off rotation.

NOTE
Rotation is only available for Letter, A6, A4 *and* A3 *Paper Size settings.*

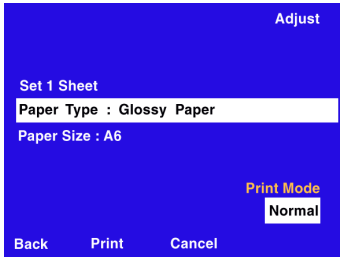
9 When you're finished selecting your picture(s), press the MENU button (beneath BACK). You see a confirmation of your selection. If your selection is correct, press the bottom button (next to Done).

If you need to change your selection(s), press the top button (next to Cancel) and repeat steps 5 through 9.

Producing Your Printout

Before you print, you'll need to make a few more Direct Print settings. Follow these steps:

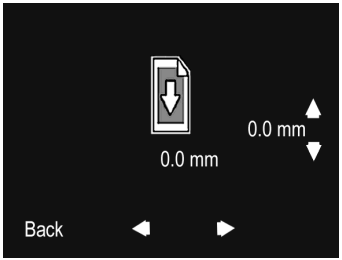
1 Press the ISO button (beneath Print). The current print settings appear on the screen (your settings may vary).



2 Press the + button (opposite Paper Type) to cycle through the Paper Type settings and select the type of paper or film you loaded in the printer. (The Paper Size setting you previously selected is displayed beneath this setting.)

3 Press the bottom button (next to Print Mode) to select either Normal, Fine, or Fast printing mode. Fine print mode produces a higher-resolution, slower printout. Fast print mode produces a quicker, lower-resolution printout.

4 If you need to adjust the printing position of your paper, press the top button (next to Adjust). You see an adjustment screen like this one.



5 Press the + button (next to the up arrow) or the – button (next to the down arrow) to adjust the vertical position. Press the ISO button (under the left arrow) or the W.B. button (under the right arrow) to adjust the

horizontal printing position. The position moves 0.2 mm each time you press a button, and the current adjustment distance is displayed on the screen.

6 When you're finished, press the MENU button (beneath BACK) to return to the print settings menu.

7 Press the ISO button (beneath Print) to begin printing. You see a confirmation message, then the LCD screen goes blank. The status light begins blinking and the star icons march across the status display panel on top of the camera. Depending on the Print Mode option you selected, it may take a moment for your printer to begin printing.

If you see an error message while printing, see page 12-17 for instructions.

NOTE

If you need to cancel printing, hold down the MENU *button. The status light turns red and a cancellation message appears briefly on the LCD screen. You see the print settings screen again. Repeat this step to resend your print job.*

8 When you finish printing, the print settings screen reappears on the camera's LCD screen. Press the MENU button (beneath Back) several times to exit Direct Print. Then turn the camera dial to Off and turn off the printer.

Printing a Card

You also use the Print format to print cards. EPSON Photo Quality Ink Jet cards are perfect for snapshots, photo postcards, and many other uses. The following table shows the available paper sizes and layouts for your cards.

Layout options	Paper Size options				
	Letter	A6	A3	A4	PhotoCard
Card Top	—		—	—	—
Card Middle	—		—	—	—
Card Bottom	—		—	—	—
PhotoCard	—	—	—	—	

Follow these steps:

1. On the Direct Print main menu (shown on page 12-3), press the + button (next to Print) to select your print format. You see a screen similar to the following:

2. Select your Paper Size and Layout settings by pressing the button next to the setting. Available paper sizes for cards are A6 and PhotoCard. (If your Paper Size is set to PhotoCard, the Layout is automatically set to PhotoCard.)

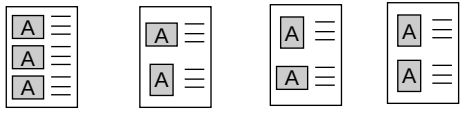
3 Press the W.B. button (below the down arrow) if you want to change the Information or Filter settings. (See page 12-5.) When you're done, press the W.B. button again to return to the previous screen.

4 Press the bottom button (next to Photo Selection) to select your image. Select a single image for your card. If your Paper Size setting is A6, you can rotate your image. (See page 12-7.)

5 When you're ready to print your card, follow the steps on page 12-8.

Printing Album Images

The Album print format lets you print an "album" of selected images on Letter or A4-size paper. Up to three images are lined up on the left side of the page. If the Information setting is On, descriptive information about each image is automatically added on the right. The following table lists Layout and Paper Size options, and shows the way your printouts appear:

Layout options	Paper Size options
	Letter or A4
Album	

Load your paper in the printer, then follow these steps to print album images:

1. On the Direct Print main menu (shown on page 12-3), press the bottom button (next to Album) to select your print format. You see a screen similar to the following (the Paper Size setting defaults to A4 or Letter):

2. Select your Paper Size setting by pressing the button next to the setting. (The Layout setting is automatically set to Album.)

3. Press the W.B. button (below the down arrow) if you want to change the Information or Filter settings. (See page 12-5.) When you're done, press the W.B. button again to return to the previous screen.

4. Press the bottom button (next to Photo Selection) to select your images. (See page 12-6.)

5. When you're ready to print your album, follow the steps under "Producing Your Printout" on page 12-8.

Printing Stickers

When your print format is set to Sticker, you can print 16 small or four larger copies of a single image on sheets of EPSON Photo Stickers. You can select the following Paper Size and Layout settings:

Layout options	Paper Size options	
	Stickers 4	Stickers 16
1 photo × 4 2 photos × 2		—
1 photo × 16 2 photos × 8	—	

NOTE

You can order EPSON Photo Stickers (product code S041144) from EPSON Accessories at (800) 873-7766.

Load your photo sticker sheets in the printer, following the instructions that came with the stickers. Then follow these steps:

1. On the Direct Print main menu (shown on page 12-3), press the W.B. button (under Sticker) to select your print format. You see a screen similar to the following (your Paper Size setting defaults to either Stickers 16 or Stickers 4):

2. Select your Paper Size setting by pressing the top button (next to Paper Size). The Paper Size and Layout settings are linked, so the Layout setting automatically changes.

NOTE

You can't turn Information On *or select a filter when the print format is set to* Sticker.

3 Press the bottom button (next to Photo Selection) to select the image you want to print on your stickers. You see thumbnail images of the first nine photos on the camera's memory card, with the currently selected image framed in white.

4 To select a different picture, press the ISO button (beneath the left arrow) or the W.B. button (beneath the right arrow) to move the selection frame backward or forward through your pictures.

5 When you've selected your image, press the + button (next to the up arrow) to select 1 Copy. (You can't rotate the image.) Then press the MENU button (under BACK). You see a confirmation of your selection.

6 If your selection is correct, press the bottom button (next to Done). If you need to change your selection, press the top button (next to Cancel) and repeat steps 4 through 5.

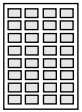
7 When you're ready to print your stickers, follow the steps on page 12-8. You may want to make a test print to make sure your pictures are aligned properly. Then you can use the Adjust setting to align them for your final printout.

NOTE

The Paper Type setting is automatically set to Glossy Film *and you can choose only* Fine *or* Normal *print modes.*

Printing an Index of Your Images

The Index print format lets you print a contact sheet with thumbnail images of all the images on your memory card. The following table shows how your printout will look:

Layout options	Paper Size options	
	Letter or A4	A6
Index		

Follow these steps to print an index of all your images:

1. On the Direct Print main menu (shown on page 12-3), press the – button (next to Index) to select your print format. You see a screen similar to the following (your Paper Size setting will be different):

2. Select your Paper Size setting by pressing the top button (next to Paper Size). You can choose Letter, A6, or A4. The Layout setting is automatically set to Index.

3 If you want to print information for each image, press the W.B. button (under the down arrow) to go to the following menu. Then press the top button (next to Information) to turn it On.

NOTE

You can't apply special filters if you're using the Index print format.

4 When you're done, press the W.B. button again to return to the previous menu.

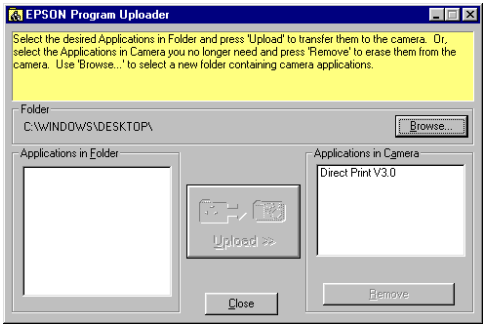
5 When you're ready to print your index, follow the steps on page 12-8.

Removing the Direct Print Program

Direct Print comes pre-installed on your camera, but you can use the EPSON Program Uploader to remove it if you don't plan to use it. You can always install the program later, if you need it. Follow these steps:

1 Connect the camera to your computer. (See Chapter 6 for instructions.) Then turn the camera's dial to .

2 Start EPSON Program Uploader. Under Windows, click Start, then point to Programs, EPSON Photo!3 Ver. 1, EPSON Program Uploader. You see a screen similar to the following:



3 Select Direct Print V3.0 in the Applications in Camera listbox.

4 Click Remove. You see a confirmation message asking if you're sure you want to remove it.

5 Click Yes to remove the program, or No to cancel. Then click Close to exit Program Uploader.

Reinstalling the Direct Print Program

Follow these steps to reinstall the Direct Print program to your camera:

1 Connect the camera to your computer and turn the camera's dial to 🖃.

2 Insert your CD-ROM in your drive. If the install program starts automatically, exit the program.

3 Start EPSON Program Uploader.

4 When you see the EPSON Program Uploader screen, click Browse to navigate to the root directory of your CD-ROM drive.

5 Select Direct Print V3.0 in the Applications in Folder listbox.

6 Click the Upload button. You see a progress meter, and after a moment Direct Print V3.0 appears in the Applications in Camera listbox.

7 Click Close to exit.

Reading Error and Status Messages

If you see an error or status message on the camera's LCD screen or status display panel, check the following tables to respond to the message.

LCD screeen messages

Message	Description
No Photos in Memory.	There are no pictures in the camera's memory. Press any button to return to the main menu.
Please Select at least one photo to print.	You haven't selected the picture you want to print. Press the button next to OK (the bottom button), then press the button next to Photo Selection (the bottom button) and select a picture.

LCD screeen messages

Message	Description
Unsupported printer model. Please connect supported model.	The camera is connected to an incompatible printer. Connect the camera to one of the compatible EPSON Stylus models listed on page 12-1. Hold down the **MENU** button to cancel printing.
Connection or printer error.	Printing stopped because of a printer error. Check your printer and clear the error (you may need to turn the printer and camera off and then on again), then restart printing from the beginning. (See your printer user's guide for troubleshooting information.)
OK to erase printing settings?	You are about to erase the current print settings. Press the button next to **YES** (the bottom button) to erase the settings, or press the button next to **NO** (the top button) to save the settings and return to the previous menu.
Batteries are low. Use AC adapter.	Battery power is almost out. If you have the optional AC adapter, connect it to continue. Otherwise, replace the batteries with batteries that have been fully charged.
Error. Settings reset to default.	An unknown error occurred and your settings were returned to their defaults. Press the bottom button to return to the main menu and enter your print settings again.
Insert a Memory Card in the camera.	No memory card is installed in the camera, or the memory card is not fully inserted into its slot. Insert a memory card as described on page 1-10.

LCD screeen messages

Message	Description
Printing canceled.	You held down the **MENU** button to cancel printing. The message disappears after three seconds.
Printing canceled. Reset printer and camera.	A printing error occurred. The message disappears after three seconds. Turn off the camera and printer, then turn them on and try printing again.

Status display panel messages

Message	Description
E51: Another interface is active	The printer is receiving a print job from another source (through a different interface). When that print job is finished, the printer begins printing from Direct Print automatically.
E55: No ink	Printing has stopped because the printer ran out of ink. Replace the ink cartridges and restart printing from the beginning. See your printer *User's Guide* for instructions on replacing ink cartridges.
E56: No paper or paper jam	Make sure paper is loaded in the printer, then press the printer's **Load/Eject** button to begin printing. If paper is jammed in the printer, follow the instructions in your printer *User's Guide* to clear the jam. Then restart printing from the beginning.

13 Maintenance and Troubleshooting

Your PhotoPC 800 camera is easy to take care of, and any problems you may have are easy to solve. This chapter includes the following sections:

- Caring for the camera and battery charger
- Solving camera problems
- Solving picture problems

Caring for the Camera and Battery Charger

Your PhotoPC 800 requires only basic care. Before you perform any maintenance procedures, be sure to read the safety instructions in the Introduction. Then observe the following guidelines.

Cleaning the Camera and Battery Charger

- Unplug the battery charger before cleaning.
- Use a clean, dry cloth to wipe the camera free of dust.
- Use a damp cloth for cleaning the battery charger.
- Keep the battery charger terminals clean by wiping them with a dry cloth.
- Don't use harsh or abrasive cleaners. Don't use liquid or aerosol cleaners.
- To clean the lens, first blow off any loose dust or dirt. Then breathe on the lens and wipe off all moisture with a soft, lint-free cloth or lens cleaning tissue. To avoid scratching the lens, don't press too hard.

- If necessary, clean the battery contacts with a dry cloth.
- If the LCD screen gets fingerprints or smudges on it, use a soft, damp cloth to lightly wipe the screen.

Storing the Camera

- When you're not using the camera, keep the lens cover closed and store the camera in the soft case that came with it. Make sure the camera dial is set to Off.
- When the camera is not used for long periods of time, remove the batteries and store them at a low temperature in a dry location. This prevents camera damage from battery leaks or corrosion.

Do not store the camera in the following locations:

- Where it will be exposed to direct sunlight, for example, on a car dashboard
- Near sources of bright light or high humidity
- Near heat sources or in a closed car or trunk
- In areas of excessive dirt or dust
- Where it will be exposed to strong vibrations or magnetic fields

Solving Camera Problems

Before you call for help, check this list of problems and possible solutions:

The camera has no power.

- If you're using batteries, the camera may have shut off automatically to conserve battery power. If your camera dial is set to , or , press the shutter button to turn the power back on. If your camera dial is set to or , press any button on the back of the camera to turn the power on. (You can also turn the power on by turning the camera dial to Off and then back to its former position.)
- Check the batteries and make sure they're installed correctly. Recharge or replace the batteries.

- If you are using the AC adapter, make sure it's plugged into a working outlet.

You can't take a picture with the camera.

- The flash may be recharging. Wait until the status light turns green, and try again.
- Make sure you've installed the CompactFlash memory card in your camera. If it's already installed, you may need to format or eject it. Check to see if a message is displayed on the camera's LCD screen.
- The CompactFlash memory card may be full. Check the picture counter on the display panel. Erase some pictures (see Chapter 5), or transfer the pictures to your computer and then erase them (see Chapter 6). Or replace your memory card with a new one.
- The camera may be connected to your computer. When it's connected, you can't use any of the controls on the camera itself. See Chapter 10 for instructions on taking pictures from your computer.
- Make sure the lens cover is open.

The flash doesn't work.

- Make sure the flash is not set to the flash off setting.
- Check the batteries and make sure they're installed correctly. Recharge or replace the batteries if necessary.
- You can't use the flash in continuous shoot mode.

Nothing appears on the LCD screen.

- Check your batteries and make sure they're installed correctly. Recharge or replace the batteries if necessary.
- Make sure the lens cover is open.
- Make sure you've installed and formatted the CompactFlash memory card.
- The camera may have shut off automatically. If your camera dial is set to or , press the shutter button to turn the power back on. If your camera dial is set to or , press any button on the back of the camera to turn power on. (You can also turn power on by turning the camera dial to Off and then back to its former position.)

- Make sure the camera is not in viewfinder mode.

The image on the screen is too dark.

- Adjust the brightness of the screen using the Camera SETUP menu. See page 4-28 for instructions.

The menus disappear while you're taking pictures with the LCD screen.

- The menus disappear when you press the MENU button. Press the MENU button again to make them reappear.

Nothing appears on the television when you connect your camera to it.

- Make sure the video cable is connected correctly, as described on page 11-11, and the camera and TV are turned on.
- Make sure your camera dial is set to .
- If your TV has both Video and S-Video modes, make sure the TV is set to Video mode. See the manual for your television if you need help.
- Check your batteries and make sure they're installed correctly. Recharge or replace the batteries if necessary.

The "pictures remaining" number on the display panel doesn't decrease after you take a picture.

- Your camera is operating correctly. The total number of pictures you can store depends on your pictures' content. The number doesn't always change, especially when you're using standard image quality.

You get an error message when you try to transfer your pictures to the computer.

- Make sure the cable is connected correctly as described in Chapter 6.
- Make sure your camera is turned on and the batteries have enough power.

- Check the serial port settings in your Image Expert or EPSON Photo!3 software. You may need to change the Port and Speed serial connection settings to Auto.
- If you're using a Windows system and have trouble connecting to the COM port, check the computer's COM port settings. Make sure the port 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 any other devices.
- Check the port setting in your Windows Control panel. You may need to set your port to a faster speed, lower the FIFO buffer size (advanced serial port configuration), or adjust the speed in your software. See "Adjusting Camera Settings From Your Computer" on page 10-5 for more information.
- If you're using a Macintosh and the camera is sharing a serial port with another device, turn AppleTalk off.
- If your camera is connected to a USB hub, try connecting the camera directly to your computer.
- Make sure you don't have both Image Expert and EPSON Photo!3 open at the same time.

You get a "The Camera Is Not Responding" error message when you're using your PhotoPC 800 software with the camera connected to your computer.

- Make sure the cable is connected correctly as described in Chapter 6. Also make sure your camera dial is not turned Off and the batteries have power.
- Check the serial port settings in your Image Expert or EPSON Photo!3 software. You may need to change the Port and Speed serial connection settings to Auto.
- If you were able to use the camera with the computer previously and then changed or added other settings on your system, you may have a COM port conflict. Try using a different COM port or reconfiguring the COM port settings. (See your Windows documentation for instructions.) If you were not able to use the camera with your computer previously, you may have an inoperable serial cable. Try using another cable.

- If your camera is connected to a USB hub, try connecting the camera directly to your computer.
- Avoid opening or working with other software applications while the camera and computer are communicating.

You are unable to drag and drop photos into a document.

- If your system has less than 32MB RAM, you may not be able to use drag and drop. Make sure you don't run too many applications at the same time. You may need to add memory to your system or use another method of getting photos into your documents.
- Your application may not support this method of adding pictures.

You are unable to copy and paste or import your photo into a document on your Macintosh.

- Try increasing your virtual memory using the Memory Control Panel. Also increase the memory allocation for your word processor or other application. (Select the application and choose Get Info from the File menu.)
- Try turning off any unnecessary extensions. See your Macintosh documentation for more information.

The pictures transfer to your computer too slowly.

- If your system has less than 32MB RAM, the transfer speed may be slow. Try using virtual memory. See your computer documentation or system help for more information.
- Check the port setting in your Windows Control panel. You may need to set your port to a faster speed. See your Windows documentation or help system for more information.
- If you're transferring pictures to an application through EPSON Photo!3 and you use the PhotoEnhance™ feature, the transfer will take longer. Try transferring without PhotoEnhance.

You get a TWAIN error message when you try to transfer images with Adobe Photoshop.

- Make sure you select TWAIN_32, not TWAIN.

You are unable to format or use a CompactFlash storage card with your camera.

- Make sure you're using an ATA-compatible CompactFlash card. Other cards may not work with PhotoPC 800. If you need help with a card, call the appropriate number:
  - Lexar Media, (800) 789-9418
  - SanDisk, (408) 542-0595

You've purchased a CompactFlash card that doesn't fit in the camera.

- Make sure you purchased the correct size CompactFlash card (1.7 inches wide × 1.5 inches high × 0.13 inch deep).
- Make sure you've installed the card correctly. The card's label should be facing the front of the camera, and the arrow(s) on the label should point down.

Your notebook computer's PCMCIA drive can't access a CompactFlash storage card with a PCMCIA adapter.

- If you're using an IBM Thinkpad,™ you may need an updated driver for your PCMCIA port. Call IBM technical support.

When you upload pictures to a storage card in your computer, your system appears to hang.

- Check the status bar at the bottom of your screen. If it shows that the transfer is complete, your system is operating correctly. You may have to click your mouse to change the hourglass icon to a normal pointer.

When you copy image files from your computer to a storage card in your PCMCIA drive, the camera can't access the images.

- You can't use this method to upload pictures to the camera. You have to use the EPSON Photo File Uploader3 to convert and upload your images.

Solving Picture Problems

If you're not satisfied with some of the pictures you get from the PhotoPC 800, you may need to adjust some of the camera settings. Read the suggestions below.

Your pictures display poor image quality on the screen or when you print them out.

- PhotoPC 800 captures images in 24-bit color (16.7 million colors). Your pictures will not display maximum image quality if your monitor or computer's video controller doesn't support this color depth. You may need to upgrade your system to achieve the best possible image quality.
- If your pictures look better on the screen than when you print them out, you may need to upgrade your printer. An EPSON Stylus ink jet printer, for example, provides excellent image quality.
- If you used drag and drop to insert your pictures, they may appear grainy. Try importing them into your documents instead.

When you preview images on your computer, they look distorted.

- If you are using an STB® Velocity 128 video card and have a screen resolution of 800 × 600 or 640 × 480, you may notice this phenomenon. Slowing down the acceleration on your video card may solve this problem: Click Start, point to Settings, click Control Panel, then double-click System Properties. On the Performance tab, click the Graphics button. Select a slower acceleration and click OK. See your Windows documentation or help system for more information.

The colors in your picture don't look right.

- When you take pictures under certain artificial lighting conditions, the colors may be slightly distorted. You can use your Image Expert software to adjust the colors, as described on page 9-3.

Your picture is blurry or out of focus.

- Make sure your subject is within the camera's range. You should be at least 20 inches away to take a picture without the flash, and 20 inches to 8 feet away to take a picture with the flash. You can take a picture from as close as 8 inches in macro mode.
- When you take macro close-ups, make sure you have adequate lighting (with the flash disabled). Using a tripod will help you capture sharp pictures.
- Make sure that your subject isn't moving and that you hold the camera steady after you press the shutter button (until the camera status light or photo capture light starts flashing).
- If you want to photograph a moving subject, try increasing the shutter speed. See Chapter 4 for information about how to change the shutter speed from the LCD menus.
- Make sure your flash is not set to flash off.
- When you focus on a nearby object, your picture's background may appear blurry. Try changing your focus.

Your picture is too dark (underexposed).

- You may need to use the flash. Make sure the setting is not flash off.
- If you're using the flash, make sure your subject is within the range of 8 feet.
- Use Image Expert to adjust the picture's brightness and contrast, as described on page 9-4.
- Try adjusting the camera's exposure or sensitivity settings (Use the Manual user mode). See Chapter 4 for details.
- If you're using the macro mode to take a close-up photo, be sure to provide adequate lighting for your subject, since the camera's smallest aperture setting (F8) is automatically selected in this mode.

- If you're taking a picture at night and you want to light up the background as well as your subject, use the camera's slow synchronized flash mode.

Your picture is too light (overexposed).

- If you're using the forced flash setting, it may be too bright. Try setting the flash to Auto $^{A}\!\!\downarrow$.
- If you're facing a bright light source, you may need to shoot your picture from a different angle.
- Use Image Expert to adjust the picture's brightness, as described on page 9-4.
- Set user mode to Manual and adjust the camera's exposure setting.

Part of your picture is missing.

- Make sure you're not blocking the lens with your finger, wrist strap, clothing, or other object.

A horizontal or vertical red line appears on your picture.

- Red lines are caused by glare. Avoid photographing shiny surfaces that reflect excessive amounts of light into your lens.

The wrong date and/or time are displayed on your pictures.

- Whenever you change the batteries in your camera, you need to reset the clock. You can use the LCD screen SETUP menu or set the camera's clock from your computer. See Chapter 4 or Chapter 10 for more information.

Your pictures don't look as good as they used to.

- Your camera's lens may be dirty or dusty. Try cleaning it by following the instructions on page 13-1.

The area captured in the photo is different from what you saw in the viewfinder.

- Make sure you look straight through the viewfinder. Keep in mind that the area visible through the viewfinder is slightly smaller than the area captured in the photo.
- If you're taking a close-up or macro mode picture, turn the camera dial to 📷 so that you can use your LCD screen to preview your picture.

Optional Accessories

You can use the PhotoPC 800 with a variety of options. To save battery power, you can use the AC adapter. For portraits or other studio photographs, you can attach a tripod to your camera. You can also get additional CompactFlash memory cards, or a second set of NiMH batteries and a replacement NiMH Power Pak.

You can use an optional IOMEGA Clik! drive to store photos and transfer them to your computer. Or, if your desktop or notebook computer has a Type II PCMCIA card slot, you can use a PCMCIA adapter to access images directly from your memory card.

Finally, if you want to verify the authenticity of photos taken with your camera, you can purchase the EPSON Image Authentication System (IAS). This software detects when even a single bit of digital data in a picture has been altered.

EPSON recommends CompactFlash memory cards from the following manufacturers:

- Lexar Media, (800) 789-9418
- SanDisk, (408) 542-0595

Make sure you purchase the correct size card (1.7 inches wide × 1.5 inches high × 0.13 inch deep). The PhotoPC 800 will accept ATA-compatible Type 1 CompactFlash cards up to 96MB.

For information on installing, formatting, and removing memory cards from your camera, see Chapter 1.

This chapter includes the following information:

- Using the universal AC adapter
- Using the camera with a tripod
- Using a PCMCIA adapter
- About the IOMEGA Clik! drive

The options listed above should be available where you bought your PhotoPC 800.

You can order any of the following accessories from EPSON Accessories at **(800) 873-7766** (U.S.) or **(800) 873-7766** (in Canada for dealer referral).

Accessory	Product code
PhotoPC 800 Universal AC Adapter	B867062
NiMH Battery Pak (4 batteries)	B818061
Universal NiMH Power Pak (charger and 4 batteries)	B818172
EPSON Image Authentication System (IAS)	PPC8-IAS

Using the Universal AC Adapter

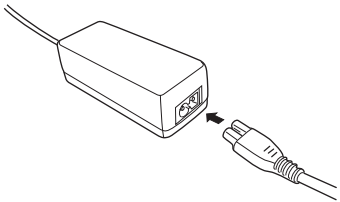
The universal AC adapter (B867062) allows you to connect your PhotoPC 800 to any standard (100 to 240 V) electrical outlet. This is especially useful for transferring pictures and operating the camera from your computer, or using Direct Print. The adapter powers the camera but does not charge the batteries.

WARNING

- *Use only the adapter designed for the PhotoPC 800. Using any other adapter may cause fire, electrical shock, or injury.*
- *Do not alter the plug on the power cable, and do not use the adapter for any other purpose than powering your PhotoPC 800.*

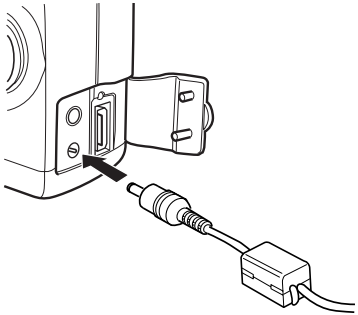
To avoid losing any images or settings, make sure the camera is finished processing. Turn the camera off before you connect or disconnect the AC adapter. Then follow these steps:

1 Locate the AC power cord that came with your camera. Push the adapter's cable connector firmly into the AC inlet.



2 Open the connector cover on the side of the camera.

3 Plug the adapter cable into the DC port on the camera.



4 Plug the AC power cord into an electrical outlet.

Using an Optional Tripod

You can use your PhotoPC 800 with any standard tripod. Follow these steps:

1. Assemble and set up the tripod by following the manufacturer's instructions. Make sure the tripod is well-balanced on a flat surface.
2. Find the opening for the tripod screw on the bottom of your camera. Carefully place the camera on the tripod. Screw the camera on until it is firmly in place.
3. Adjust the tripod to view your subject as desired.

Using a PCMCIA Adapter

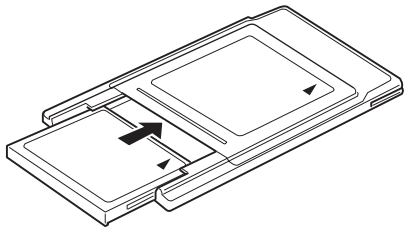
A PCMCIA adapter allows you to access images stored on CompactFlash cards directly from your computer. To use this adapter, your computer must be equipped with a Type II PCMCIA card slot.

If you're using a Macintosh, you must enable PC Exchange extension software to access files on CompactFlash cards. See your Macintosh documentation for information.

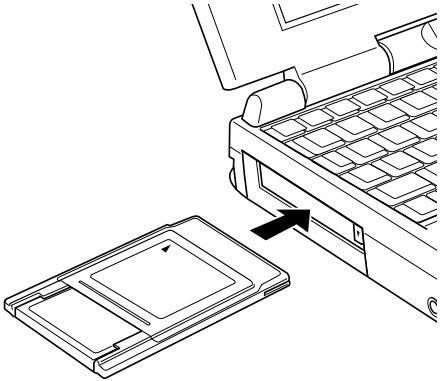
Installing the PCMCIA Adapter

Follow these steps to install the adapter:

1. Insert the memory card all the way into the adapter.



2 Insert the adapter into your computer's Type II PCMCIA slot.



Transferring Photos With the Adapter

Once the adapter and card are installed in your computer's PCMCIA slot, you can transfer photos by simply copying them to your hard drive. This is the fastest way to get pictures into your computer. The image files are stored in the Photo_1 folder on the card.

- In Windows, use My Computer or the Windows Explorer to drag and drop image files to your hard drive.
- On a Macintosh, use the Finder to drag and drop image files to your desktop or hard drive.

NOTE

- *If you don't have an adapter, you can use Image Expert to transfer photos to your computer. See Chapter 6.*
- *If you can't access a card in your notebook computer, contact the computer manufacturer. See page 13-7 for more information.*

About the IOMEGA Clik! Drive

You can use an IOMEGA Clik! digital camera drive to store extra pictures when you're on the go and read CompactFlash cards directly from your computer. This drive saves time and batteries because you don't have to download pictures from your camera to your computer. You should be able to find the IOMEGA Clik! drive where you purchased your camera. For additional information, visit the IOMEGA website at: **www.iomega.com**. You can call IOMEGA at (800) MYSTUFF ([800] 697-8833) for ordering information.

B Specifications

Camera

Physical Dimensions

Width	4.4 in (111.4 mm)
Height	2.7 in (68 mm)
Depth	1.6 in (40.2 mm)
Weight	8.3 oz (235 g) without batteries and strap

Power

Sources	Includes 4 AA rechargeable NiMH batteries and pocket-size charger. Also accepts 2 AA batteries (single-use lithium or rechargeable NiCad)
	Optional AC adapter (B867062)
Battery Life	Approximately 850 pictures using the viewfinder Approximately 100 pictures using the LCD screens Approximately 45 minutes in playback mode

Technical

Product type	2.14 megapixel CCD (charged coupled device) still frame auto focus camera
CCD	0.5 inch color area CCD (2.14 million pixels)
Image resolution	1600 × 1200 pixels (fine and super fine) 640 × 480 pixels (standard) 1600 × 600 pixels (panoramic fine) 1600 × 600 pixels (panoramic super fine) 1984 × 1488 pixels* (HyPict) 1984 × 744 pixels* (HyPict panorama) * Interpolated
File format	JPEG
Bit depth	16 million colors, 24-bit
Serial communication speed	Up to 230.4 Kbps with high-speed serial port (19.2 Kbps or higher), 1.8 Mbps when connected to EPSON printers
Serial interface	14-pin dual line terminal to camera, RS-232C-compatible connector to computer (9-pin DSUB connector to PC, 8-pin mini-DIN male connector to Macintosh or printer)
USB cable	14-pin connector (camera) USB connector (computer)
USB communication speed	Up to 12 Mbps
Video out	NTSC standard
Internal memory	2MB flash program memory
Expansion memory	8MB CompactFlash storage card; also accepts optional 4MB to 96MB storage cards (available from Lexar Media and SanDisk)
Self-timer	10 seconds
Tripod adapter	Built-in

Environmental

Temperature	Operating: 41 to 95 °F (5 to 35 °C) Non-operating: –4 to 140 °F (–20 to 60 °C)
Humidity	Operating: 30 to 80% (non-condensing) Non-operating: 10 to 80% (non-condensing)

Safety

United States	FCC Part 15 Subpart B Class B
Canada	CSA C108.8 Class B

Photographic

Lens	f = 7 mm (equivalent to a 38 mm lens on a 35 mm camera)
Range	19.7 inches (50 cm) to infinity; 5.9 to 19.7 inches (15 to 50 cm) in macro mode
LCD screen	1.8-inch active matrix TFT color LCD (110 thousand pixels)
Sensitivity	Equivalent to ISO 100/200/400
Exposure control	Programmed auto exposure manual adjustment: –2 to +2 EV, in half-steps (or in 0.2 EV steps in AE mode); spot metering and matrix metering
White balance	TTL automatic white balance Fixed white balance (5200 °Kelvin) User-defined white balance

Shutter	Electric iris with mechanical shutter, 1/2 second to 1/750 second (flash off mode) 1/30 second to 1/750 second (auto flash and forced flash modes)
Viewfinder	Real-image optical, with centering crosshair and edge border (view range approximately 90%)
Focus	Automatic focus from 19.7 inches (50 cm) to infinity Automatic focus from 5.9 to 19.7 inches (15 to 50 cm) in macro mode
Aperture	f2.4, f8.0
Flash	Automatic luminance control flash mode
Flash modes	Forced flash, automatic, flash off, slow synchronized flash mode (can be enabled through the LCD menus)

Flash range:

Sensitivity setting	Normal distance	2× zoom
Std. (ISO 100)	1.6 to 11.2 ft (0.5 to 3.4 m)	1.6 to 11.2 ft (0.5 to 3.4 m)
Med. (ISO 200)	1.6 to 16.1 ft (0.5 to 4.9 m)	1.6 to 16.1 ft (0.5 to 4.9 m)
High (ISO 400)	1.6 to 22.6 ft (0.5 to 6.9 m)	1.6 to 22.6 ft (0.5 to 6.9 m)

Memory Card Picture Capacity

Image Mode	8MB Card
Standard	118
Fine/Monochrome Fine	25
SuperFine/Monochrome SuperFine	12
HyPict/Monochrome HyPict	10

NiMH Battery Charger

Physical Dimensions

Width	3.0 inches (76 mm)
Height	4.5 inches (115 mm)
Depth	1.1 inch (28 mm)
Weight	Approximately 4.6 oz (130 g)

Technical

Input	100 to 240 V, 50 to 60 Hz
Output	DC 1.2 V/490 mA × 4
Charging time	2 batteries: approximately 110 minutes 4 batteries: approximately 210 minutes
Power consumption	Approximately 8W
Charging temperature	41 to 95 °F (5 to 35 °C)
Storage temperature	–4 to 86 °F (–20 to 30 °C)

Optional AC Adapter

Physical Dimensions

Width	1.7 inches (43 mm)
Height	1.22 inches (31 mm)
Depth	4.1 inches (104 mm)

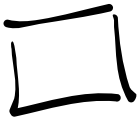
Technical

Output	DC 3.5 V/2.5 A
Input	100 to 240 V AC, 50 to 60 Hz

CompactFlash Card

Physical Dimensions

Width	1.7 inches (42.8 mm)
Height	1.5 inches (36.8 mm)
Depth	0.13 inch (3.3 mm)



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