

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>**.

EPSON®
PhotoPC[®] 700
MEGAPIXEL DIGITAL CAMERA

User's Guide

**FCC COMPLIANCE STATEMENT
FOR AMERICAN USERS**

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio and television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ▶ Reorient or relocate the receiving antenna
- ▶ Increase the separation between the equipment and receiver
- ▶ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- ▶ Consult an experienced radio/TV technician for help.

WARNING

The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification of this device and may cause interference levels that exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

FOR CANADIAN USERS

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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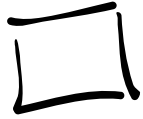
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A NOTE CONCERNING RESPONSIBLE USE OF COPYRIGHTED MATERIALS

Digital cameras and scanners, like photocopiers and conventional cameras, can be misused by improper copying of copyrighted material. While some countries' laws permit limited copying in certain circumstances, those circumstances may not be as broad as some people assume. EPSON encourages each user to be responsible and respectful of the copyright laws when using digital cameras and scanners.



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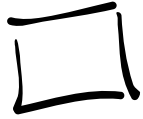
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Introduction

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- 4 Bedroom/3 Bathroom
- Dining Room
- Pool
- 2 Car Garage
- Original Owner
- Excellent location
- Near schools and park
- Competitive price



Contact Monica for an Appointment
999-888-8888

Your new EPSON® PhotoPC® 700 is a high resolution, easy-to-use digital camera with a built-in LCD screen. You can view your pictures before and after you capture them, or display them on a TV or multimedia projector and transfer them to your computer. You can even upload pictures, text, and graphics into your camera, and play them back for presentations.

PhotoPC 700 captures images at 1280 × 960 pixel resolution in 24-bit color, using a 1.25-megapixel CCD sensor. You can expand the camera's capacity with optional CompactFlash™ storage cards, and use standard 37 mm lenses to capture wide-angle and telephoto shots. The continuous shooting mode lets you take ten pictures in five seconds (640 × 480 pixel resolution).

Your PhotoPC 700 comes complete with cables, batteries, battery charger, software, and utilities for downloading, editing, organizing, and printing your pictures.

PhotoPC 700 Features

PhotoPC 700 is a complete system for capturing digital images, and includes the following features:

- ▶ Resolutions up to 1280 × 960 pixels
- ▶ 4MB internal flash memory that holds approximately 15 fine-resolution or 50 standard-resolution images
- ▶ 24-bit color or grayscale image capture
- ▶ Two-inch, active matrix TFT color LCD screen for previewing and playing back pictures
- ▶ Video output for playing your pictures back on a TV, VCR, or projector
- ▶ Macro, digital zoom, panorama, and continuous shooting modes
- ▶ Automatic or fixed white balance and adjustments for exposure and sensitivity
- ▶ Tiffen® adapter for optional 37 mm lenses and filters
- ▶ Built-in flash
- ▶ Direct print capability to several EPSON ink jet printers—print without using a computer
- ▶ Automatic shut-off to save batteries
- ▶ Automatic date and time recording for each picture
- ▶ Cables for transferring photos to your Windows® PC or Macintosh® and displaying on a TV or multimedia projector

Your camera comes with the PhotoPC 700 software suite, which includes the following applications:

- ▶ Sierra Imaging® Image Expert™ software for transferring, organizing, editing, and printing your pictures

- ▶ The EPSON Photo!2 application and TWAIN driver for transferring and converting your pictures
- ▶ EPSON Photo File Uploader for converting presentation slides into image files and uploading them into your camera
- ▶ EPSON Photo!2 Program Uploader for re-installing the Direct Print program on your camera; this lets you print directly from the camera to an EPSON printer.

Optional Accessories

EPSON offers these accessories for the PhotoPC 700:

- ▶ AC adapter for use with any electrical outlet
- ▶ Replacement NiMH rechargeable batteries
- ▶ Replacement NiMH Power Pak including batteries and charger

You can also use CompactFlash storage cards and PCMCIA adapters available from leading suppliers, such as Lexar Media,[®] SanDisk,[®] or Simple Technology.[®]

Additionally, you can expand the capabilities of your camera by attaching 37 mm video camcorder lenses using the lens adapter included in the box. You can order optional wide angle, telephoto, and close-up lenses and filters from DC PRO at (800) 522-7835 or (516) 434-8800 (fax: 516-434-9238, e-mail: dcproacc@aol.com). For more information, see the brochure in your box.

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 95, Windows 3.1 or later, Windows for Workgroups 3.11 or later, or Windows NT[®] 4.0
- ▶ Serial port with standard RS-232C interface
- ▶ At least 16MB RAM
- ▶ Double-speed CD-ROM drive

- ▶ At least 30MB free hard disk space
- ▶ VGA or SVGA monitor with at least 256-color display
- ▶ Mouse or other pointing device

Macintosh Systems

- ▶ Macintosh with PowerPC™ or higher processor
- ▶ System Software Version 7.1 or later (System 7.5 or later is required to access optional CompactFlash card memory directly from the Macintosh.)
- ▶ At least 16MB RAM
- ▶ At least 30MB free hard disk space
- ▶ Double-speed CD-ROM drive
- ▶ VGA monitor with at least 256 colors
- ▶ Standard Macintosh modem/printer serial port

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 Download Service	You can call the EPSON Download Service at (800) 442-2007 . Set your communications software to 8 data bits, 1 stop bit, no parity. Modem speed can be up to 28.8 Kbps.
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 SM	For pre-recorded answers to commonly asked questions about EPSON products 24 hours a day, seven days a week, call (800) 442-2110 .
EPSON FaxAdvice™	Access EPSON's technical information library by calling (800) 442-2110 . 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) 442-2110 .

To speak to a technical support representative, dial **(310) 782-2600** (U.S.), or **(905) 709-2567** (Canada), 6 AM to 8 PM, Pacific Time, Monday through Friday and 7 AM to 4 PM Saturday and Sunday. 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) 807-7766**.

Software Support

If you've tried the on-screen help, checked this *User's Guide*, and you still have questions, call one of the following numbers for technical support:

- ▶ **(800) 501-8902** for Image Expert software questions (for Windows 95 users, make sure you check the Quick Tour first)
- ▶ **(310) 782-2600** for the EPSON Photo!2 application and TWAIN driver, the EPSON Photo File Uploader, and the EPSON Photo!2 Program Uploader

Software Licensing

You can install EPSON Photo!2, the EPSON Photo File Uploader, and the EPSON Photo!2 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 700 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 700.

Safety Instructions

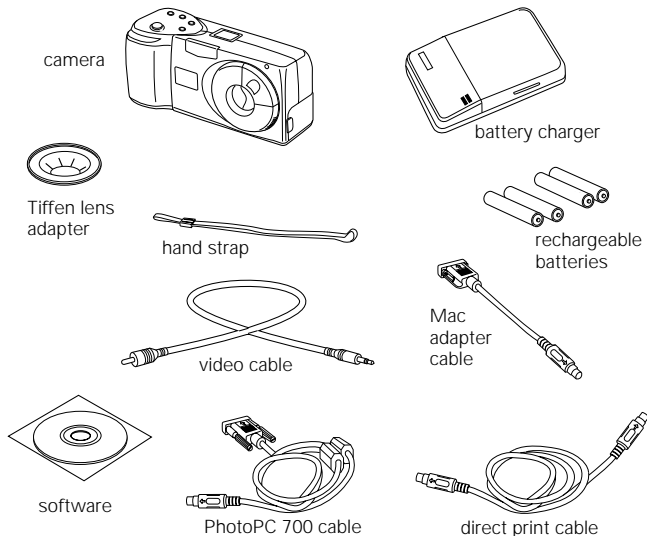
Read all of these instructions before using your camera and battery charger. Also follow all warnings and instructions marked on the camera, battery charger, and batteries.

- ▶ 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 35 to 95°F (0 to 35°C).
- ▶ Do not use the charger within reach of children.

- ▶ 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 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



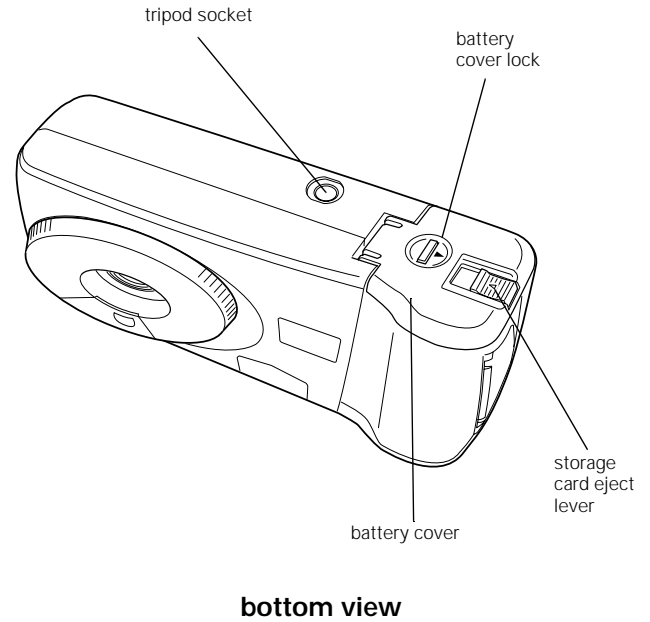
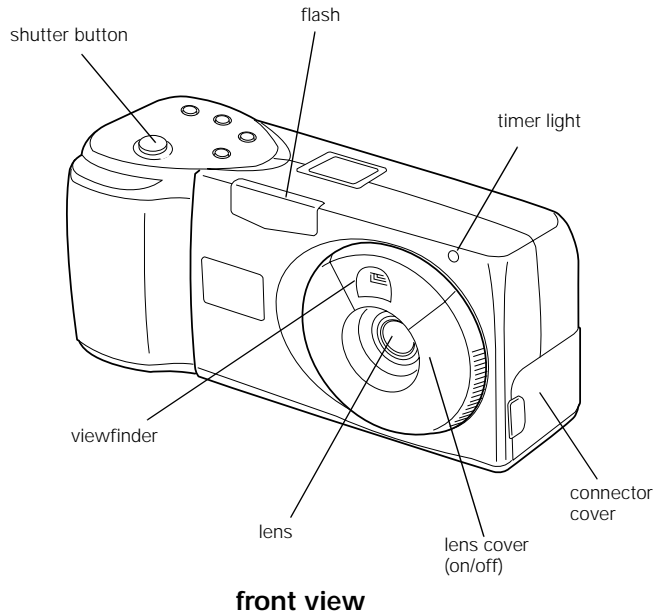
This chapter helps you get ready to use your new PhotoPC 700. It covers the following:

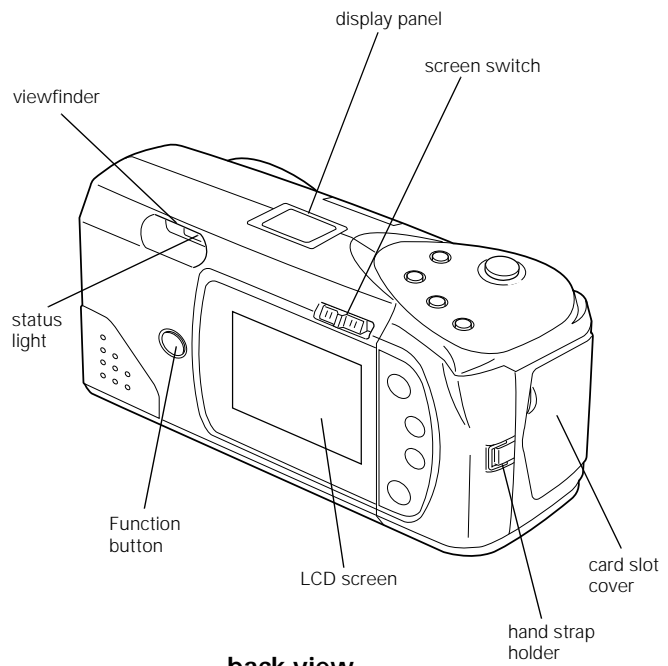
- ▶ Unpacking your PhotoPC 700
- ▶ Identifying camera parts
- ▶ Using batteries
- ▶ Attaching the hand strap
- ▶ Installing your PhotoPC 700 software
- ▶ Making installation diskettes
- ▶ Setting the date and time

Unpacking Your PhotoPC 700

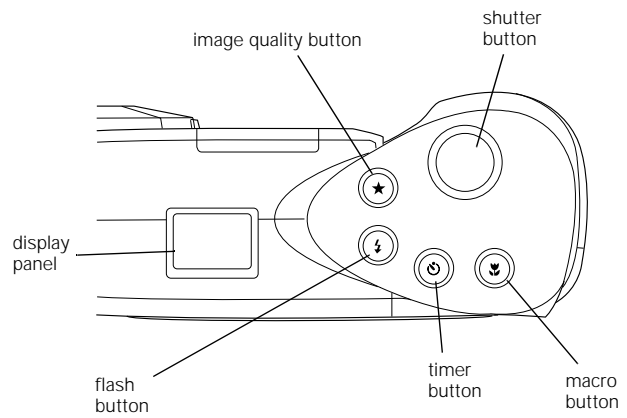
Make sure you have all the parts shown to the left. If you're using a PC, you won't need the Macintosh adapter cable.

Identifying Camera Parts





back view



top view

Using Rechargeable NiMH Batteries

To help lower the cost of ownership, your PhotoPC 700 comes with four rechargeable NiMH batteries and a pocket-size charger. These batteries can be recharged hundreds of times. Before you install them in your camera for the first time, you need to charge them completely three times. The instructions in the following sections tell you how to charge, install, and handle batteries.

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. Subsequent charges take approximately two and a half hours.

Charging Batteries

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

WARNING

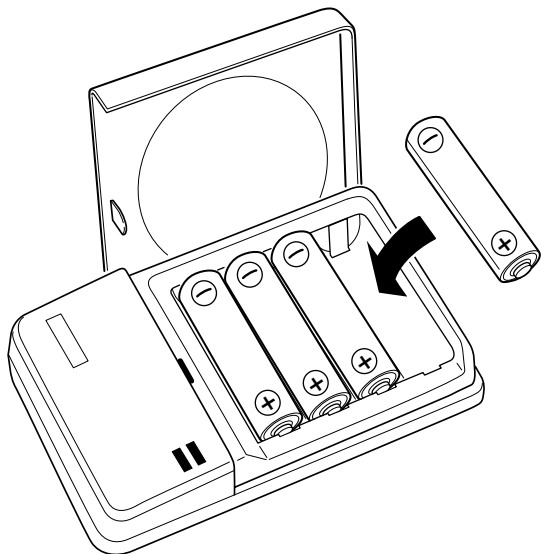
Shock hazard. Make sure you use the charger only with EPSON rechargeable NiMH batteries (model EU-24). To avoid the danger of leakage or explosion, do not place any other batteries in the charger. Read all safety and handling instructions before using the charger.

Note the following when charging batteries:

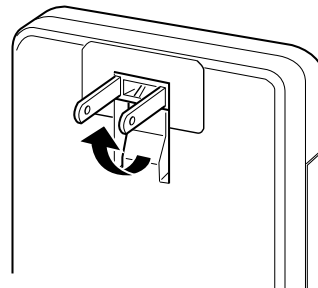
- ▶ Do not insert batteries backwards.
- ▶ Do not open the cover while batteries are charging.
- ▶ Do not use near water or handle with wet hands. For indoor use only.
- ▶ Do not use within reach of children.
- ▶ Do not charge the batteries using an electrical outlet on an airplane.

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

- 1 Lift up the cover of the charger and insert all four batteries, positioning the + and – ends as shown. Then close the cover firmly.



- 2 Turn the charger over and flip the two prongs out of their compartment.



- 3 Plug the charger into an electrical outlet. Both lights turn red, indicating that the charger is working. When the batteries are fully charged, after about two and a half hours, the lights go off.

NOTE

The charger lights flash to indicate changes in battery temperature and voltage. If the lights continue 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 opening and then closing the charger. The second charge should take about two and a half hours.
- 5 Charge the batteries a third time by opening and closing the charger again. This charge should take about 20 minutes.
- 6 After you have charged the batteries three times and both lights are off, unplug the charger. To avoid overcharging, don't leave the charger plugged in for long periods of time after the lights go off.
- 7 Wait one hour until the batteries cool before removing them from the charger.
- 8 Before storing the charger, press down on the prongs to lock the plug into place.

(For subsequent charges of your NiMH rechargeable batteries, follow steps 1 through 3, then unplug the charger and follow steps 7 and 8 above.)

Be sure to always 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

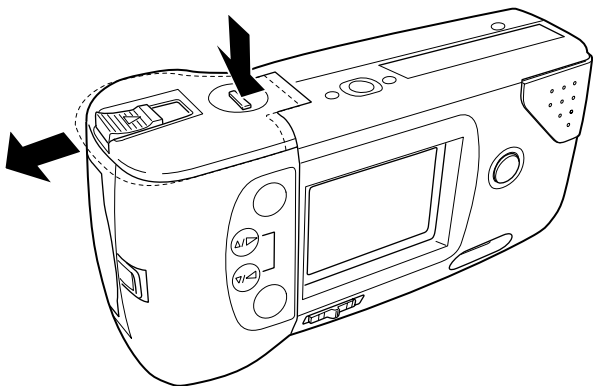
Keep the charger terminals clean by wiping them with a dry cloth. Make sure you charge all four batteries before you use them. If you find that your batteries run out faster after you recharge them a few times, make sure you discharge them completely before recharging. If this doesn't help, replace the batteries.

Installing Batteries

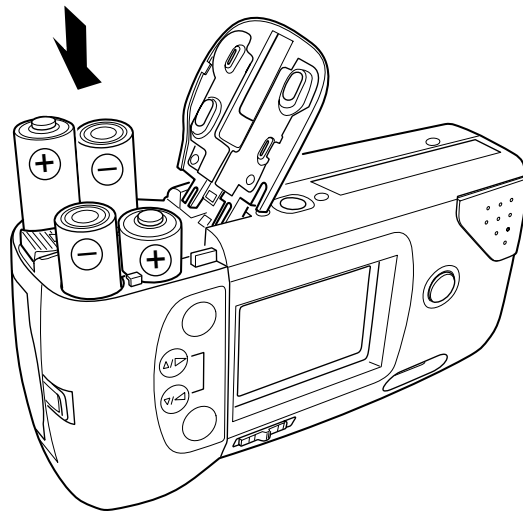
Before you install the batteries, make sure the camera is turned off (the lens cover is closed). Then follow these steps:

- 1 Turn the camera upside down with the LCD screen facing you.

- 2 Push the battery cover lock down. While holding the lock, slide the battery cover to the left to open it. Then raise the cover.



- 3 Insert all four batteries into the compartment, positioning the + and - ends as shown:



- 4 Close the battery cover and slide it to the right while pressing down, until it snaps into place.

Battery Options

If you forget to charge your rechargeable NiMH batteries or if they need to be replaced, the PhotoPC 700 camera can also accept the following:

- ▶ Rechargeable AA NiCad batteries
- ▶ Single-use AA alkaline batteries (Energizer® brand recommended)
- ▶ Single-use AA lithium batteries (longer life)

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:

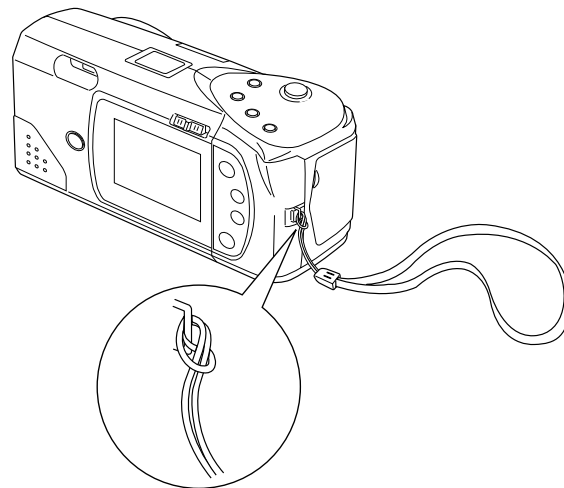
- ▶ Use only the EPSON battery charger (Model EU-23) to charge the batteries that came with your camera.
Pour usage avec le chargeur de piles modele EU-23.

- ▶ Use the batteries that came with your camera only in EPSON digital cameras.
- ▶ Do not use manganese batteries.
- ▶ Replace all four batteries at the same time.
- ▶ 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 Hand Strap

To attach the hand strap, loop the strap around the holder on the side of the camera as shown below.



Installing Your PhotoPC 700 Software

PhotoPC 700 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 into your camera. The included CD-ROM has these applications for your Windows PC or Macintosh:

- ▶ Sierra Imaging Image Expert
- ▶ EPSON Photo!2 TWAIN and standalone application
- ▶ EPSON Photo File Uploader
- ▶ EPSON Photo!2 Program Uploader

All programs will be installed in the PhotoPC 700 folder.

Installing for Windows 95 or Windows NT 4.0

Follow these steps:

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

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

- 2 Click Install Image Expert.
- 3 Follow the instructions on the screen.

NOTE

After you install your software for Windows 95, you can run the Image Expert Quick Tour to learn more about your camera. See page 4-5 for instructions.

Installing for Windows 3.1x

Follow these steps:

- 1 Insert the CD-ROM in your drive.
- 2 In the Program Manager, select Run from the File menu.
- 3 Type D:\SETUP. If your CD-ROM drive is not drive D, substitute the correct letter. Then click OK.
- 4 Select Install Image Expert and follow the instructions on the screen.

Installing on a Macintosh

Follow these steps:

- 1 Insert the CD-ROM in your drive.
- 2 Double-click the CD-ROM icon.
- 3 Double-click the Install PhotoPC 700 icon. Click Continue and follow the instructions on the screen.

Making Windows Diskettes

Before you start, make sure you have 6 blank, formatted diskettes (8 for Windows 3.1 or 18 if you want to include the Quick Tour for Windows 95 and Windows NT). Then follow these steps:

- 1 Insert the CD-ROM in your drive. The install program starts automatically. If it doesn't start automatically, double-click My Computer. Then double-click your CD-ROM icon.

In the Windows 3.1 Program Manager, select Run from the File menu. Type D:\SETUP. If your CD-ROM drive is not drive D, substitute the correct letter. Then click OK.

- 2 Click Make Image Expert Disks.
- 3 Select your operating system and diskette drive and click OK. Follow the instructions on the screen to create the diskettes.

Making Macintosh Diskettes

Before you start, make sure you have 10 blank, formatted diskettes. You can use either the Disk Copy 6.2 utility (you can download it from the Apple® Web site if you don't have it), or the DropImage program on the PhotoPC 700 CD-ROM.

To use Disk Copy 6.2, double-click the file named Make Floppies and follow the instructions on the screen. The Image Expert disk image files are located in the Disk Images folder on the CD-ROM. Follow these steps to make diskettes using the DropImage program:

- 1 Open the Disk Images folder on your CD-ROM.
- 2 Drag the file Disk1.image onto DropImage 1.0. An icon for Disk 1 appears on your desktop.
- 3 Insert a blank, formatted diskette in your drive and change its name to Image Expert 1.
- 4 Drag the Disk 1 icon onto the Image Expert 1 icon. If you are asked to confirm the copy, click Yes.

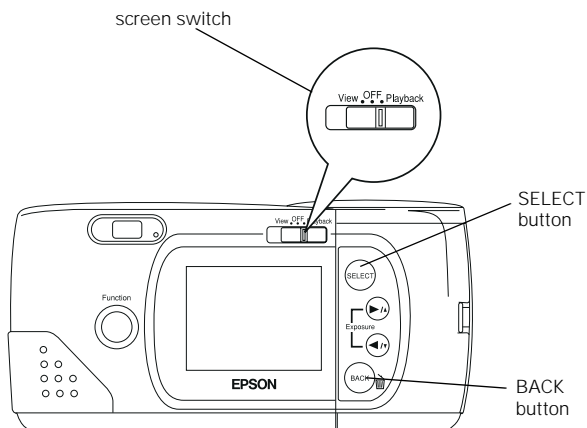
- 5 When the copy finishes, drag both icons to the trash. Your Macintosh ejects the diskette.
- 6 Repeat steps 2 to 5 for each disk image file.

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'll need to set the clock again whenever you install new or recharged batteries.

NOTE

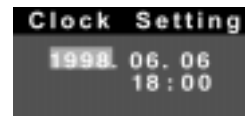
You can also set the camera's clock through your computer. See Chapter 4 for instructions on connecting the camera to your computer, and page 8-6 for instructions on setting the date and time.



Follow these steps to set the camera's clock:

- 1 Slide the screen switch to Playback. You see a message asking you to set the clock.
- 2 Press the SELECT button.

You see the clock setting screen, with the year setting highlighted in red:



- 3 If necessary, press the ►/▲ button to increase the number or the ◀/▼ button to decrease the number, until the year is correct.
- 4 Press the SELECT button. The year setting is saved and the month setting is highlighted.
- 5 Adjust the month, day, hour, and minute settings as described above until the date and time are correctly adjusted and saved.

After you finish setting the clock and press the SELECT button, your screen returns to playback mode.

- 6 Slide the screen switch OFF.

2

Taking Pictures

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Taking pictures with PhotoPC 700 is similar to using a traditional “point and shoot” auto-focus camera. This chapter tells you everything you need to know about getting great shots, including the following information:

- Getting ready to take pictures
- Taking pictures with the viewfinder or LCD screen
- Checking the picture counter
- Setting image quality and color mode
- Using macro mode to take close-ups
- Using the flash and timer
- Taking zoom or panoramic pictures
- Continuous shooting
- Using advanced settings

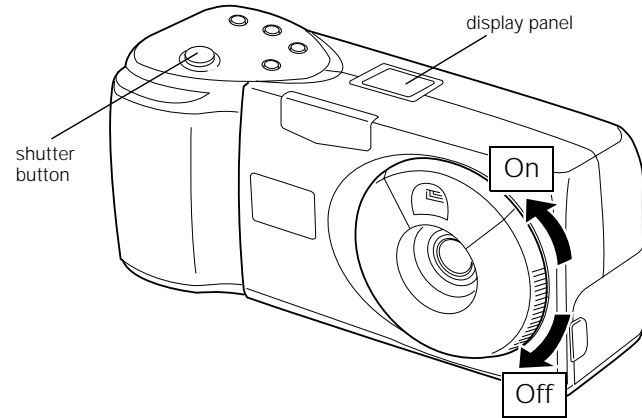
Getting Ready to Take Pictures

Before you can take pictures with PhotoPC 700, you need to turn on the camera and check the status of your batteries on the display panel.

Turning the Camera On and Off

To turn the camera on, rotate the lens cover counter-clockwise, as shown in the illustration on the right. The lens cover opens and the display panel on the top of the camera lights up. The status light on the back of the camera flashes for a few seconds. When it turns green, the camera is ready to take pictures.

To turn off the camera, rotate the lens cover clockwise. The lens cover closes and the display panel turns off.



Saving Battery Power With Auto Shut-off

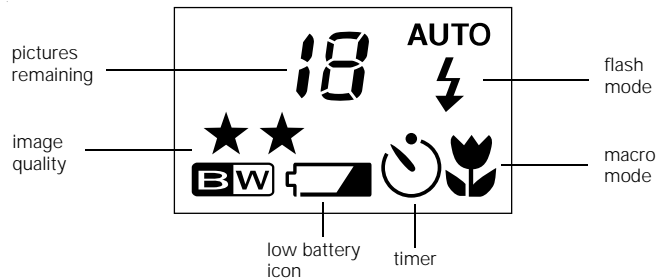
If you wait more than 60 seconds before taking a picture, the camera shuts off automatically to save battery power. It also shuts off after you take a picture with the LCD screen. To “wake” the camera after auto shut-off, press the shutter button. Or, close the lens cover and then open it again.

NOTE


You can change the battery saving mode to have the camera remain on after you take a picture with the LCD screen (see page 8-11). However, you'll use up your batteries faster. You can also change the auto shut-off time period (see pages 8-6 and 8-8).

Using the Display Panel

The display panel shows the status of your batteries, the camera's current settings, and the number of pictures remaining.



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 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.

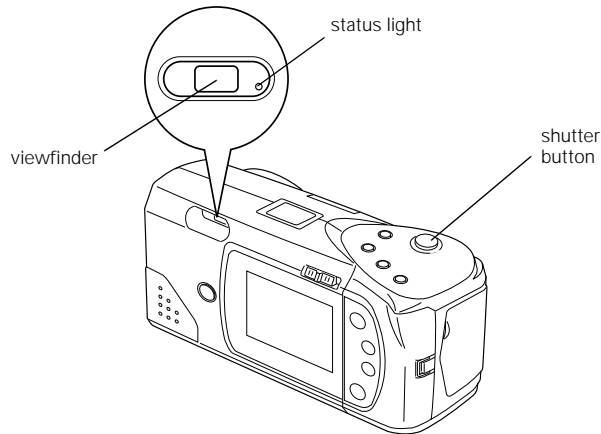
Several factors can affect battery life, including the surrounding temperature and the type of batteries you use. Low temperatures—especially below 50 °F (10 °C)—drain your batteries faster. See page 1-4 for battery use instructions.

Taking Pictures With the Viewfinder

You can capture an image with PhotoPC 700 as you would with any point-and-shoot auto-focus camera: look through the viewfinder and snap the two-step shutter. However, you can also use the LCD screen to preview your picture. See page 2-5 for instructions on using the LCD screen.

Follow these steps to take a picture with the optical viewfinder:

- 1 Make sure you are at least 20 inches (50 cm) away from your subject. (If you want to get closer, use the macro mode as described on page 2-11.)
- 2 Turn the camera on and wait until the status light turns green.



- 3 Look straight through the viewfinder and center your subject within the cross-hairs.
- 4 Hold the shutter button halfway down to lock the auto focus.



You hear a click and the status light changes from green to orange. While you hold the shutter button down, you can reframe your picture and move your subject off-center 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 and the status light starts flashing red.

The flashing red light indicates that the camera has captured the image and is processing it.

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.

When the light stops flashing and turns green, the image is saved and you can take another picture. Saved images remain in memory for at least a year, even when the camera is turned off and the batteries are removed.

NOTE

Remember that the camera shuts off automatically after 60 seconds. To turn the camera back on, press the shutter button all the way down. You can also “wake up” the camera by closing the lens cover and then opening it again.



Taking Pictures With the LCD Screen

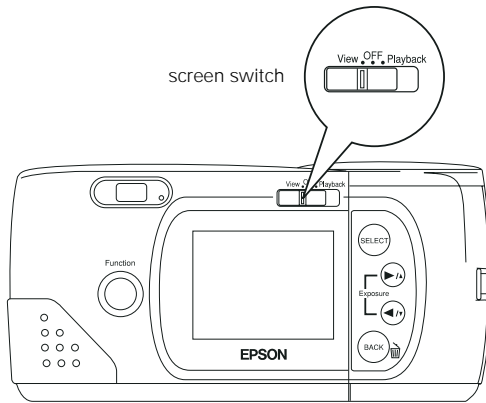
The LCD screen lets you see a live preview of what the camera’s lens sees at any moment. You can take close-ups, 2× digital zoom, or digital panoramic pictures and work with advanced settings using the screen. In the continuous shooting mode, you can capture two images per second (at 640 × 480 resolution), up to ten images.

NOTE

The image area displayed in the screen is slightly smaller than the view that will be captured. The preview on the screen may also appear to flicker under strong fluorescent lighting. When your subject is very bright (a sunlit white wall, for example), you may see a band of washed-out color in the image on the screen. This will not affect the actual image captured by the camera.

Follow these steps to take a picture with the LCD screen:

- 1 Turn the camera on and slide the screen switch left to the View position. You see a preview of your picture on the LCD screen, with icons indicating the image quality setting ★, the number of pictures you can take , and the number of pictures taken .



- 2 Center your subject on the screen and hold the shutter button halfway down to lock the auto focus.



You hear a click, the status light changes from green to orange, and a small green circle appears in the upper right corner of the screen. While you hold the shutter button down, you can reframe your picture and move your subject off-center if you want.

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



- 4 Hold the camera still until it beeps and the status light starts flashing red. When the picture is processed, the camera and screen shut off.

- 5 Press the shutter button all the way down to turn the camera and screen back on. Or, close the lens cover and then open it again.

NOTE

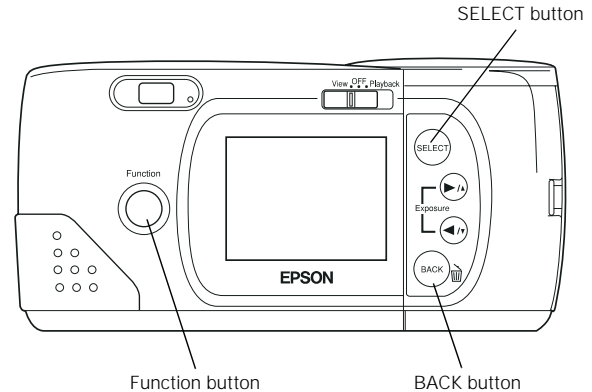
The LCD screen uses up battery power quickly. If it is idle for more than 30 seconds, the screen turns off automatically. To turn it back on, press the shutter button all the way down or slide the screen switch to **OFF** and then back to **View**. If you want to have the camera remain on after you capture a picture with the LCD screen, you can change the power mode. See page 8-11 for instructions.

Erasing a Picture With the LCD Screen

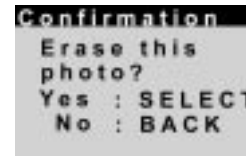
If you change your mind about a picture you have just taken, you can erase it while the camera is processing it. Follow these steps:

- 1 Take a picture using the LCD screen as described above. The camera beeps and the red light flashes.

- 2 While the light is still flashing, press and hold the Function and BACK buttons.



You see the following message on the LCD screen:



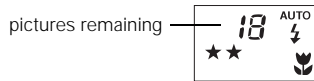
- 3 Press the SELECT button to confirm the deletion. Processing stops, and the camera and screen shut off.

NOTE

Some pictures (captured at Standard image quality) are processed so quickly that you can't erase them while they are processing. You need to follow the steps on page 3-7 to erase them in the playback mode.

Checking the Picture Counter

The large number in the center of the display panel shows how many additional pictures you can take. This number depends on your image quality and special format settings. If you change these settings, the number will change.



When the camera's memory is full, the number of pictures remaining is 0. The status light on the back of the camera turns red, and you can't press the shutter button.

2-8 Taking Pictures

To free up some of the camera's memory, you can play back your pictures on the LCD screen and erase the ones you don't want to save. See page 3-7 for instructions. If you want to save your pictures before you erase them, you need to connect the camera to your computer and transfer the images, as described in Chapter 4.

Storing More Pictures

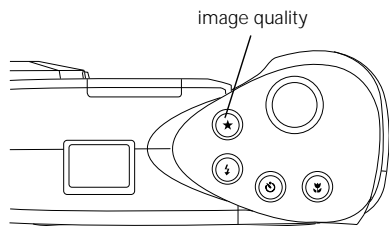
You can increase your camera's storage capacity by removing the Direct Print program. If you later decide to use direct print, you can easily reinstall it. See page 11-16 for more information.

The following table shows the minimum number of pictures your camera can store with and without Direct Print:

Image Quality	With Direct Print (default setting)	Without Direct Print
Fine (color and monochrome)	11	15
Super Fine (color and monochrome)	5	7
Standard	39	50

Setting Image Quality and Color Mode

PhotoPC 700 has several image quality (resolution) settings: three for color pictures and two for black and white pictures. Press the image quality button on top of the camera to cycle from one setting to the other.



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

Fine

★★ Produces color images at 1280×960 pixels, with moderate compression. Your pictures include ample detail, and the camera holds at least 11 pictures (factory setting).

Super Fine

★★★ Produces color images at 1280×960 pixels with low compression. Your pictures include greater detail, and the camera holds at least 5 pictures. With less compression, Super Fine images are better for enlarging.

Monochrome Fine

★★★ Produces black and white images at 1280×960 pixels, with moderate compression. Your pictures include ample detail, and the camera holds at least 11 pictures.

Monochrome Super Fine

★★★ Produces black and white images at 1280×960 pixels with low compression. Your pictures include greater detail, and the camera holds at least 5 pictures. With less compression, Monochrome Super Fine images (like those in color) are better for enlarging.

Standard

★ Produces color images at 640×480 pixels. The camera holds at least 39 pictures, but the image size is smaller and includes less detail when enlarged.

NOTE

You can switch freely between the settings and mix pictures of varying quality in the camera. The camera's image capacity will vary accordingly. Depending on the content of your pictures, your camera may hold more than the numbers shown on page 2-9. As long as the display panel shows a number other than zero, you can continue taking pictures.

Fine image quality is sufficient for most purposes. Use super fine if you need maximum detail (in enlargements, for example). Note that super fine image files are more than twice the size of fine quality image files. Higher quality images also take longer for the camera to process.

The following examples show the same image captured at standard, fine, and super fine quality.



Super fine quality image
1280 × 960 pixels, less compression




Fine quality image
1280 × 960 pixels



Standard quality image
640 × 480 pixels

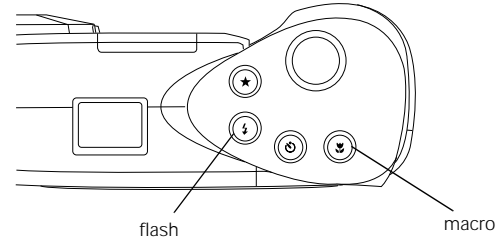
Using Macro Mode to Take Close-ups


 With the LCD screen, you can use the camera's macro mode to take pictures as close as 4 inches (10 cm).

Follow these steps:

- 1 Turn the camera on and slide the screen switch to the View position. You see a live preview on the LCD screen.

- 2 Press the macro button on top of the camera.



The macro icon  appears on the display panel. For a few seconds, the word MACRO appears on the LCD screen, and the frame around the image turns green.

- 3 Press the shutter button to capture the image.
- 4 To turn off macro mode, press the macro button again or turn off the camera.


NOTE

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


Using the Flash

The camera's built-in flash is effective within a range of 8 inches to 8 feet (20 cm to 2.4 m). Press the flash button to cycle through the three flash settings. An icon for each setting appears on the display panel as shown below:


Auto

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

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.

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.

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.


TIP

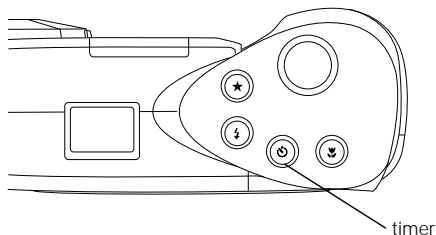
When you're taking pictures outdoors, make sure the sun is at your back. In very bright light (at the beach or in snow, for example), your pictures may come out too light. You can use the manual exposure setting to darken an image before you capture it. See page 2-21 for instructions. Alternatively, you can also use Image Expert or other image editing software to correct over-exposure problems after you take the picture.

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.

Follow these steps to take a picture with the timer:

- 1 Secure the camera on a flat surface or on a tripod. (See page A-3 for information on attaching the camera to a tripod.)
- 2 Turn on the camera and wait until the status light turns green.
- 3 Press the timer button. The timer icon  appears on the display panel.



- 4 Press the shutter button. The timer icon and the red timer light on the front of the camera flash slowly for 8 seconds. Then they flash rapidly for 2 seconds before the shutter is released.

The camera beeps when the image is captured. The status light on the back of the camera flashes red as PhotoPC 700 processes the image. When the status light stops flashing and turns green, you can take another picture.

- 5 To turn off the timer, press the timer button again or turn off the camera.

Using the View Mode Menus

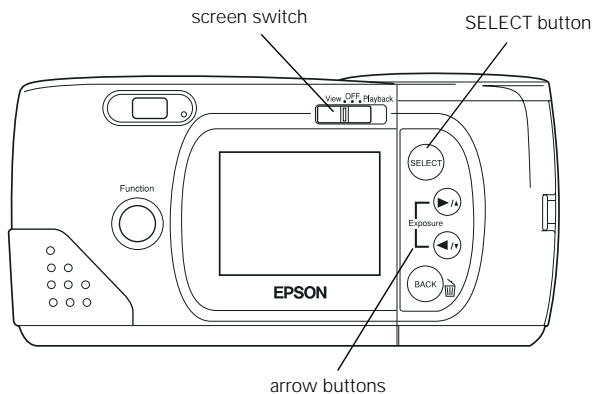
You can use the view mode on the LCD screen to take digital panorama/zoom pictures, use advanced settings, and control the display of information on the screen.

TIP

You can use macro mode in combination with the panorama and zoom formats and with advanced settings.

Follow these steps to access the menus:

- 1 Turn the camera on and slide the screen switch left to the View position.



You see a preview of your picture on the LCD screen.

- 2 Press the SELECT button. Blue menu icons appear at the top of the screen, with the currently selected menu highlighted in orange. The settings for this menu are displayed on the screen as shown:



- 3 Press the ►/▲ and ◀/▼ buttons to view the settings for other menus. The orange highlight indicates the currently selected menu.

You can choose from the following menu:



Panorama/Zoom (take special format pictures). See the following sections for instructions.



Conditions (use continuous shooting and advanced photo settings). See page 2-17 for instructions.



Information (turn off the display of information on previewed pictures). See page 3-5 for instructions.

- 4 To exit the menus, press the BACK button until the menu icons and settings disappear. (Depending on the menu, you may have to press this button several times to return to view mode.)
- 5 When you're finished, slide the screen switch OFF. (It will shut off automatically within 30 seconds.)

Taking Digital Panoramic Pictures



Images in the digital panorama 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.


Make sure the screen switch is set to View, and follow these steps to take a panoramic picture:

- 1 Press the SELECT button to display the menus.

- 2 Press $\blacktriangleright/\blacktriangle$ or $\blacktriangleleft/\blacktriangledown$ if necessary to display the Panorama/Zoom menu:



- 3 Press the SELECT button again to choose the Panorama setting. You can press SELECT repeatedly to cycle through the settings.
- 4 Press the BACK button to exit the menus.

Black margins appear at the top and bottom of the LCD screen, and you see the panorama icon  at the bottom.

You can use the image quality button on top of the camera to select fine or super fine image quality (both at 1280 × 480 pixels) in color.

5 Press the shutter button halfway to lock the auto focus. You hear a click, the status light turns orange, and a small green circle appears in the upper right corner of the screen. While you hold the button down, you can reframe your picture if you want.

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

The Panorama format remains active until you access the Panorama/Zoom menu again and select Standard.

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



standard



digital zoom



digital panorama

Taking Digital Zoom Pictures



Digital zoom pictures are magnified two times (2×) and captured at standard image quality (640 × 480 pixels). 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.


Make sure the screen switch is set to View, and follow these steps to take a digital zoom picture:

1 Press the SELECT button to display the menus.

- 2 Press $\blacktriangleright/\blacktriangle$ or $\blacktriangleleft/\blacktriangledown$ if necessary to display the Panorama/Zoom menu:




- 3 Press the SELECT button twice to choose the Zoom setting.
- 4 Press the BACK button to exit the menus.

An orange frame appears around the previewed image, and the zoom icon  is displayed at the bottom of the screen. You see X2.0 in the upper right corner.

- 5 Press the shutter button halfway to lock the auto focus. You hear a click, the status light turns orange, and a small green circle appears in the upper right corner of the screen. While you hold the button down, you can reframe your picture if you want.
- 6 Press the button all the way down to capture the image.

The zoom format remains active until you access the Panorama/Zoom menu again and select Standard.

Continuous Shooting

 In this mode, you can take two pictures a second, with up to ten pictures in a sequence. Each image is 640×480 pixels. 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.

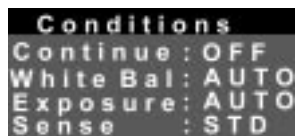
NOTE

You can't use the flash for continuous shooting, so make sure you have adequate lighting for your pictures. In addition, you can't use the panorama/zoom features with continuous shooting.

Make sure the screen switch is set to View, and follow these steps to take a rapid sequence of pictures:


- 1 Press the SELECT button to display the menus.


- 2 Press **▶/▲** or **◀/▼** to display the Conditions menu:



- 3 Press the SELECT button to display the menu options:



- 4 Press SELECT again to choose continuous shooting . The setting changes from OFF to ON.
- 5 Press the BACK button twice to return to view mode.

A red frame appears around the previewed image, and the word CONTINUOUS appears briefly. You see the continuous shooting icon  at the bottom of the screen.

- 6 Press and hold the shutter button. The status light flashes red and the camera beeps as it captures each picture.
- 7 Release the shutter button when you have captured the pictures you want. The red light flashes as the camera processes the images. Then the camera shuts off.
- 8 To switch back to normal picture taking, follow steps 1 through 5 above, but turn off the continuous mode.


Press the shutter button to turn the camera back on and continue taking continuous shots.

You can also turn off the camera and then turn it back on to switch back to normal picture taking.

Automatic Continuous Shooting



You can combine continuous shooting with the timer for delayed automatic capture of ten images in five seconds. This allows you to photograph yourself in motion. Follow these steps:

- 1 Secure the camera on a flat surface or on a tripod. (See page A-3 for information on attaching the camera to a tripod.)
- 2 Turn on the camera and set the screen switch to View.
- 3 Follow steps 1 through 5 on pages 2-17 to 2-18 to select continuous shooting.
- 4 Press the timer button. The timer icon  appears on the display panel.

- 5 Press the shutter button. The timer icon and the red timer light on the front of the camera flash slowly for 8 seconds. Then they flash rapidly for 2 seconds before the shutter is released.

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

The camera beeps 10 times as it captures your images, and the red light flashes as the images are processed. Then the camera shuts off.

- 6 Press the shutter button to turn the camera back on and continue taking continuous shots.
- 7 To switch back to normal picture taking, follow steps 2 and 3 above, but turn off the continuous mode.

You can also turn off the camera and then turn it back on to switch back to normal picture taking.

Using Advanced Settings



You can choose from the following settings for advanced photographic controls:

- ▶ Fixed white balance (for “warm” indoor pictures or more brilliant sunsets)
- ▶ Manual exposure control (provides four levels of exposure, ± 2 steps)
- ▶ Sensitivity control (for night photography)

Use the instructions in the following sections to take pictures with advanced settings.

Photographing With Fixed White Balance

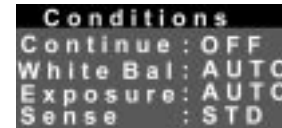


Normally, the PhotoPC 700 adjusts the white balance of your pictures automatically. This means that both outdoor and indoor pictures have accurate colors, without a “bluish” or “yellowish” appearance.

However, you can have the camera use a fixed white balance for a warmer appearance under fluorescent lighting or special effects, such as a red-tinted sunset. The white “color temperature” of the fixed setting is 5000 degrees Kelvin.


Make sure the camera is on and the screen switch is set to View, then follow these steps to take pictures with fixed white balance:

- 1 Press the SELECT button to display the menus.
- 2 Press $\blacktriangleright/\blacktriangle$ or $\blacktriangleleft/\blacktriangledown$ to display the Conditions menu:




- 3 Press the SELECT button to display the menu options:




- 4 Press $\blacktriangleleft/\blacktriangleright$ to highlight the white balance icon .
- 5 Press the SELECT button to change from AUTO to FIX.
- 6 Press the BACK button twice to return to view mode. The fixed white balance icon appears in the upper left corner of the screen.
- 7 Follow the instructions on page 2-5 to take pictures with the LCD screen as usual.
- 8 To switch back to auto white balance, follow steps 1 through 6 above, but change from FIX to AUTO.

You can also turn off the camera and then turn it back on to switch back to the auto white balance setting.

Adjusting Exposure

 Your camera normally adjusts exposure automatically. If you want to lighten or darken a photo before you take it, you can use the manual setting, and adjust the exposure by hand.

Make sure the camera is on and the screen switch is set to View, then follow these steps to take pictures with manual exposure adjustment:

- 1 Press the SELECT button to display the menus.
- 2 Press $\blacktriangleright/\blacktriangleup$ or $\blacktriangleleft/\blacktriangledown$ to display the Conditions menu.
- 3 Press the SELECT button to display the menu options, as shown above.
- 4 Press $\blacktriangleleft/\blacktriangledown$ until the exposure icon  is highlighted.
- 5 Press the SELECT button to change from AUTO to MANUAL.

- 6 Press the BACK button twice to return to view mode. The manual exposure icon appears in the upper left corner of the screen.
- 7 Press and hold the Function button. You see 00 on the display panel, indicating normal exposure.
- 8 While holding the Function button, use the arrow keys to lighten or darken the image. As you change the setting, you see plus or minus indicators on the display panel and the upper left corner of the LCD screen.


Press ►/▲ once to make the image one step lighter (P1 or +1); press ►/▲ again to make it two steps lighter (P2 or +2). This is useful when your picture has a bright background, for example, windows facing the sun.

Press ◀/▼ to make the image one step darker (-1); press ◀/▼ again to make it two steps darker (-2). This is useful when you're photographing an object with a dark or black background.

- 9 Take your pictures with the LCD screen as usual, following the instructions on page 2-5. If you're not sure about the lighting conditions, you may want to take several photos with various exposure settings.
- 10 To switch back to automatic exposure, follow steps 1 through 6 above, but change from MANUAL to AUTO.

You can also turn off the camera and then turn it back on to switch back to the automatic exposure setting.

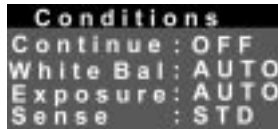
Adjusting Sensitivity for Night Photos

 The camera's high sensitivity setting lets you take pictures in the dark without the flash. With this setting, the camera's ISO equivalent is 120.

Make sure the camera is on and the screen switch is set to View, then follow these steps to use the high sensitivity mode to take night photos:

- 1 Press the SELECT button to display the menus.

- 2 Press ►/▲ or ◀/▼ to display the Conditions menu:



- 3 Press the SELECT button to display the menu options:



- 4 Press ◀/▼ until the sensitivity settings are displayed, as shown:

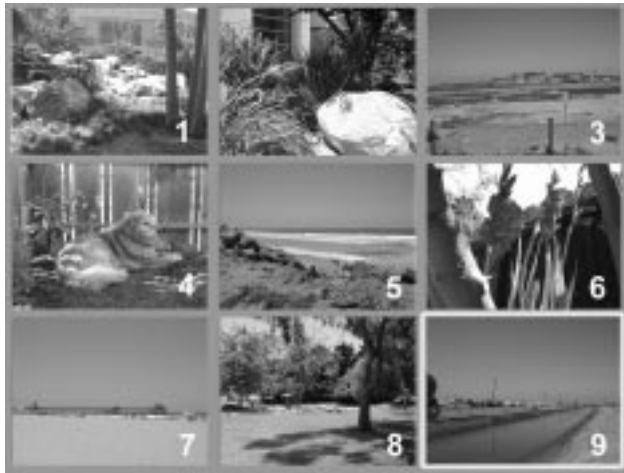


- 5 Press the SELECT button to change from STD to HIGH.
- 6 Press the BACK button twice to return to view mode.
- 7 Take your pictures with the LCD screen as usual, following the instructions on page 2-5.
- 8 To switch back to the standard sensitivity setting, follow steps 1 through 6 above, but change from HIGH to STD.

You can also turn off the camera and then turn it back on to switch back to the standard sensitivity setting.

3

Playing Back Photos



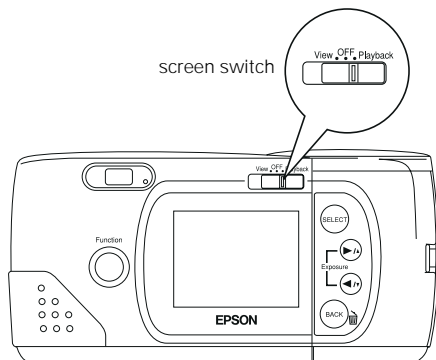
The LCD screen lets you play back your pictures one-by-one or in groups of nine at a time. You can magnify or erase selected pictures and customize playback features through the LCD screen menus. You can view your pictures on a television just as easily as on the camera's screen. This chapter explains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

- ▶ Using playback mode
- ▶ Playing back pictures one by one
- ▶ Playing back multiple pictures
- ▶ Playing pictures as a slide show
- ▶ Turning off picture information
- ▶ Magnifying a picture
- ▶ Erasing pictures
- ▶ Playing back pictures on TV

Using the Playback Mode

When you use the LCD screen's playback mode, you don't have to have the camera's lens turned on. You can save battery power by turning off the lens before you switch to playback mode. Follow these steps:

- 1 Slide the screen mode switch right to Playback. The last photo you took appears on the LCD screen.



- 2 To access the screen menus, press the SELECT button. Blue menu icons appear at the top of the screen with the currently selected menu displayed in orange.


3-2 *Playing Back Photos*


The settings for this menu are displayed on the screen, as shown:



- 3 Press the ►/▲ and ◀/▼ buttons to view the settings for other menus.

You can choose from the following menus:

 Settings (date, time, beep, LCD brightness, and power-save mode). See pages 8-7 to 8-11 for more information.

 Information (turn off the display of information on played-back pictures). See page 3-5 for instructions.



Playback Mode (one at a time or groups of 9 images). See page 3-4 for instructions.



Magnification (zoom in on a picture and view it in sections). See page 3-6 for instructions.



Photo Control (erase, lock, display memory information, or work with flash memory cards). See pages 3-7 to 3-12 and Chapter 10 for instructions.



Slide Show (play back pictures automatically). See page 3-5 for instructions.



Software Menu (print directly from the camera or remove the Direct Print program). See Chapter 11 for instructions.



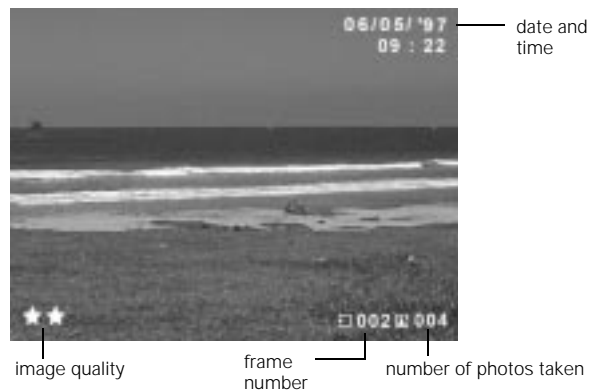
Language (select language for LCD display and menus). See page 8-12 for instructions.

- 4 To exit the menus, press the BACK button until the menu icons and settings disappear. (Depending on the menu, you may have to press this button several times to return to playback mode.)

- 5 When you're finished with playback mode, slide the screen switch OFF.

Playing Back Pictures One by One

When you set the screen switch to Playback, you see the last picture you took on the LCD screen, along with the date, time, and picture information:



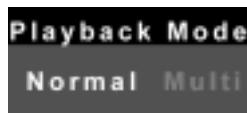
Press the ◀/▼ button to display the previous picture. You can continue pressing the button to view your pictures in order. Press ▶/▲ to move forward through your pictures.

Playing Back Multiple Pictures



You can play back your pictures in Multi mode to view small “thumbnail” versions of nine pictures at once. Make sure the screen switch is set to Playback, and follow these steps:

- 1 Press the SELECT button to display the screen menus.
- 2 Press ►/▲ twice to display the Playback Mode menu.



- 3 Press the SELECT button again to choose the Multi setting, then press the BACK button to exit the menus.

Thumbnail images of the last photos you took appear on the screen, with the currently selected image framed in white, as shown on the right.



- 4 Press the ◀/▼ and ▶/▲ buttons to move the white selection frame through the images on screen. When the frame reaches the first or last photo of the current group, the previous or next group of up to nine images is displayed.
- 5 To switch back to displaying one picture at a time, follow steps 1 through 3 again, but choose the Normal setting on the Playback Mode menu.

Playing Your Pictures as a Slide Show



You can use the LCD screen to display your pictures automatically. Make sure the screen switch is set to

Playback, and follow these steps:

- 1 Press the SELECT button to display the LCD screen menus.
- 2 Press the ►/▲ or ◀/▼ button until you see the Slide Show option.

Slide Show

- 3 Press the SELECT button again. The LCD screen begins playing back your pictures one by one.
 - ▶ To move forward or back through the photos manually, press the ►/▲ or ◀/▼ button.

- ▶ To pause the slide show at a particular photo, press the SELECT button. The pause icon **||** appears next to the picture count on the screen. Press SELECT again to resume the slide show.

- 4 To stop the slide show, press the BACK button. Press BACK again to return to normal playback mode.

Turning Off Picture Information



The LCD screen displays the time and date of each picture along with other information. You can turn off the information display if you want.

Make sure the screen switch is set to Playback, and follow these steps:

- 1 Press the SELECT button to display the LCD screen menus.

- 2 Press the ►/▲ or ◀/▼ button until you see the Information menu.



- 3 Press the SELECT button to turn information OFF. You can press it again to turn information back on.
- 4 To save your setting, press the BACK button.

You can also turn off information displayed in view mode. Set the screen switch to View and follow the steps above.

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 arrow buttons to scroll the image and display it in nine different sections (three sections for panoramic images).

Make sure the screen switch is set to Playback, and follow these steps:

- 1 Press the SELECT button to display the LCD screen menus.
- 2 Press the ►/▲ or ◀/▼ button until you see the Magnification option.



- 3 Press the SELECT button to zoom in on the center of your image. A small icon in the upper left corner shows the section of your image that is currently displayed.
- 4 Use the ►/▲ and ◀/▼ buttons to display different sections. The icon indicates which section is displayed.
- 5 Press the BACK button to return to normal view. Press BACK again to exit the menu.

Erasing 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 pictures for deletion or “lock” (protect) them from deletion

You can also erase photos through your software when the camera is connected to your computer. For instructions, see Chapters 4 and 5.

Erasing the Currently Displayed Picture

Make sure the LCD screen is set to Playback and the image you want to erase is displayed. Then follow these steps:


- 1 Hold down the Function button and press the BACK button.

You see the following message on the LCD screen:



- 2 Press the SELECT button to erase the picture. The screen returns to playback mode.

NOTE

If you try to erase a locked photo , you see a warning message. Press any button to clear the message. See pages 3-9 to 3-12 for instructions on locking and unlocking images in the camera.

Selecting Pictures to Erase



You select pictures to erase using the Photo Control menu. You can either select individual pictures, or choose to erase all the pictures in the camera. Using the same

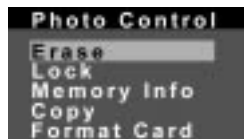
menu, you can select pictures to lock (protect from erasing) or lock all pictures. See pages 3-9 to 3-12 for information about locking and unlocking pictures.

TIP

*Before you start, set the playback mode to **Multi**. This makes it easier to select images. See page 3-4 for instructions.*

Make sure the LCD screen is set to Playback, and follow these steps to erase pictures:

- 1 Press the SELECT button to display the LCD screen menus.
- 2 Press the ►/▲ or ◀/▼ button until you see the Photo Control menu, then press the SELECT button to display the menu options:



- 3 Press the SELECT button to enter the Erase mode. The following menu is displayed:



- 4 Press the ►/▲ or ◀/▼ button to choose Select Photo or Erase All.
 - ▶ If you chose Erase All, press the SELECT button. A message appears asking you to confirm that you want to erase the photos. Press the SELECT button to erase the photos; or press the BACK button to return to the Photo Control menu without erasing the photos.
 - ▶ If you chose Select Photo, continue with step 5.
- 5 Press the SELECT button, then press the ►/▲ or ◀/▼ button to move through the images in the camera until the photo you want appears on the screen.

- 6 Press the SELECT button. An orange frame appears around the image. If you want to erase other photos at the same time, use the ►/▲ or ◀/▼ button to display them, then press the SELECT button to select them.

NOTE

To cancel the selection of a photo, simply press the SELECT button again.

- 7 When you have selected all the photos you want to erase, press the BACK button. A message appears asking you to confirm your selections.
- 8 Press the SELECT button to erase the images and return to the Photo Control menu.

NOTE

If there are locked photos in your camera, a message appears on the screen before the confirmation message. Press the SELECT button to erase only the unlocked images from the camera.

- 9 Press BACK until you return to normal playback mode.

Locking Photos

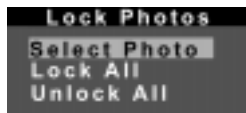
The lock feature allows you to keep your photos from being accidentally erased. You can lock selected photos or all the photos in the camera.

Make sure the LCD screen is set to Playback, then follow these steps to lock pictures:


- 1 Press the SELECT button to display the LCD screen menus.
- 2 Press the ►/▲ or ◀/▼ button until you see the Photo Control menu, then press the SELECT button to display the menu options:



- 3 Press the ◀/▼ button until the Lock mode is highlighted in orange, then press the SELECT button to enter the Lock mode. The following menu is displayed:



- 4 Press the ▶/▲ or ◀/▼ button to choose Select Photo or Lock All.
 - ▶ If you chose Lock All, press the SELECT button. A message appears asking you to confirm that you want to lock all the photos. Press the SELECT button to lock the photos. Then press the BACK button until you return to normal playback mode.
 - ▶ If you chose Select Photo, continue with step 5.
- 5 Press the SELECT button, then press the ▶/▲ or ◀/▼ button to move through the images in the camera until the photo you want to lock appears on the screen.

- 6 Press the SELECT button. A lock icon  appears next to the frame number. If you want to lock other photos, use the ▶/▲ or ◀/▼ button to display them, then press the SELECT button to select them.

NOTE

*To cancel the selection of a photo, press the **SELECT** button again.*

- 7 When you have selected all the photos you want to lock, press the BACK button. The following message appears:



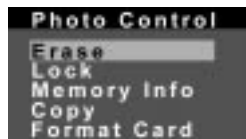
- 8 Press the SELECT button to lock the images.
- 9 Press BACK until you return to normal playback mode.

Unlocking Photos

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

Make sure the LCD screen is set to Playback, then follow these steps to unlock pictures:

- 1 Press the SELECT button to display the LCD screen menus.
- 2 Press the ►/▲ or ◀/▼ button until you see the Photo Control menu, then press the SELECT button to display the menu options:



- 3 Press the ◀/▼ button until the Lock mode is highlighted in orange, then press the SELECT button to enter the Lock mode. The following menu is displayed:



- 4 Press the ►/▲ or ◀/▼ button to choose Select Photo or Unlock All.
 - ▶ If you chose Unlock All, press the SELECT button. A message appears asking you to confirm that you want to unlock all the photos. Press the SELECT button to unlock the photos. Then press the BACK button until you return to normal playback mode.
 - ▶ If you chose Select Photo, continue with step 5.
- 5 Press the SELECT button, then press the ►/▲ or ◀/▼ button to move through the images in the camera until the photo you want to unlock appears on the screen.

- 6 Press the SELECT button. The lock icon disappears from the screen. If you want to unlock other photos at the same time, use the $\blacktriangleright/\blacktriangle$ or $\blacktriangleleft/\blacktriangledown$ button to display them, then press the SELECT button to select them.

NOTE

To cancel the selection of a photo, press the **SELECT** button again.

- 7 When you have selected all the photos you want to unlock, press the BACK button. The following message appears:



- 8 Press the SELECT button to unlock the images.
- 9 Press BACK until you return to normal playback mode.

Playing Back Pictures on TV

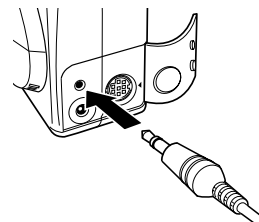
You can display your pictures on a regular television or VCR by using the video cable that came with your PhotoPC 700.

TIP

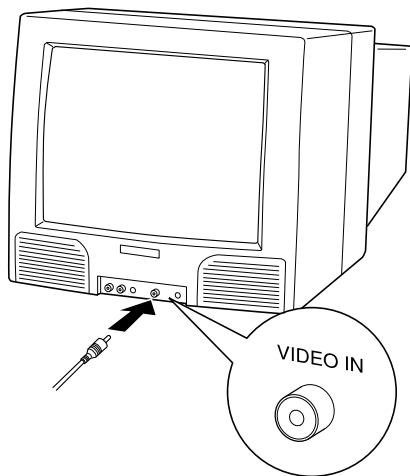
You can videotape your pictures to share them without using a computer. After you connect the camera to your VCR, press the Record button on the VCR and set the camera's LCD screen to *Slide Show*.

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 Slide the screen switch on your camera to Playback. 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.

4

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 in your Web site, presentations, or just about anything you create on your computer. This chapter describes the following:

- ▶ Connecting the camera
- ▶ Transferring pictures with Image Expert
- ▶ Getting images into TWAIN 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 a CompactFlash memory card. See Chapter 10 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 700. Or, see page A-2 for information on ordering an AC adapter through EPSON Accessories.
- ▶ The camera shuts off automatically after 5 minutes of inactivity when the camera is connected to your computer. To turn the camera back on, close the lens cover and then open it again. (You can change the auto shut-off time period if you want. See pages 8-5 to 8-6 for instructions.)

- ▶ 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

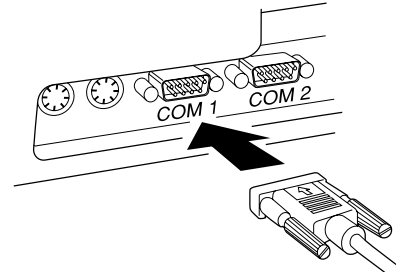
Make sure you have the serial cable that came with your camera. Before you start, turn off the camera, LCD screen, and your computer. Then follow these steps:

- 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.

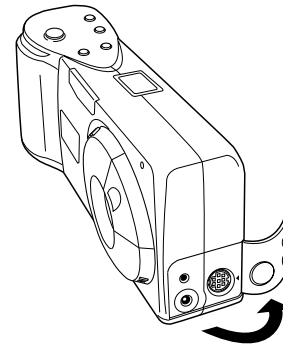
NOTE

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

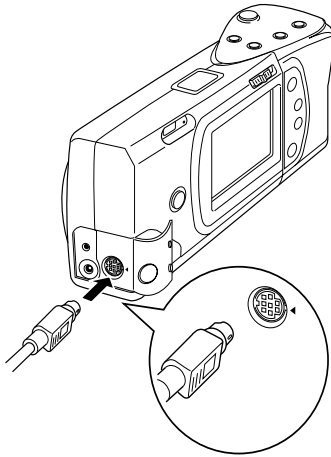
- 2 Line up the serial connector on the cable with one of the serial ports on your computer, and insert the connector. Then tighten the screws.



- 3 Open the connector cover on the side of the camera.



- 4 Depending on the type of cable you have, line up either the arrow or the flat side of the cable connector with the mark on the camera's serial port. Then insert the connector.





- 5 Turn on the camera and 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

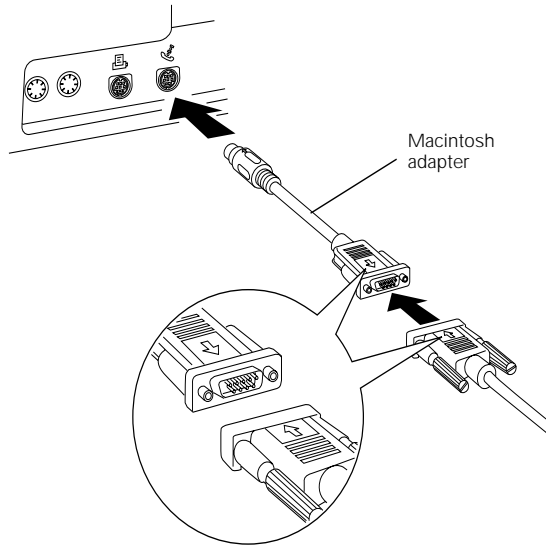
Make sure you have the long serial cable and short Macintosh adapter that came with your camera. Before you start, turn off the camera, LCD screen, and your Macintosh. Then follow these steps:

- 1 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 are 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.

- 2 Connect the long cable to the short Macintosh adapter cable, then tighten the screws.
- 3 Line up the arrow on the cable connector with the port icon on your Macintosh. Then insert the connector.



- 4 Open the connector cover on the side of the camera, as shown on page 4-2.

4-4 Getting Photos Into Your Computer

- 5 Depending on the type of cable you have, line up either the arrow or the flat side of the cable connector with the mark on the camera's serial port (as shown on page 4-3). Then insert the connector.
- 6 Turn on the camera and 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 pages 8-6 to 8-8.

Transferring Photos With Image Expert

PhotoPC 700 provides several different ways to transfer your pictures from the camera to your computer. The simplest method is to use the Image Expert software that came with your PhotoPC 700. 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, following the instructions on page 1-10. Make sure the camera is turned on and connected to your computer.

NOTE

Although these instructions and the accompanying illustrations show Image Expert running under Windows 95, you can follow the same steps on a Macintosh, Windows 3.1, or Windows NT system.

- 1 Start Image Expert. Under Windows 95 or Windows NT, click Start, and then point to Programs, PhotoPC 700, Image Expert.

If you're using Windows 95 or Windows NT, you see a Quick Tour screen like the following:



If you're using a Macintosh or Windows 3.1, skip to step 3.

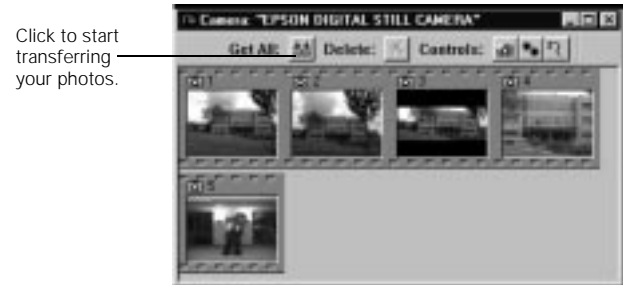
- 2 Click on any of the topics for an animated demonstration of what you can do with Image Expert and PhotoPC 700.

To skip the tour and transfer your pictures, click Close.
You see a window like the following:



Click to see the pictures in your camera.

- 3 Click View Pictures in the Camera. You see a window displaying “filmstrips” of your images. (If you see an error message instead, follow the instructions on page 4-8.)



Click to start transferring your photos.

- 4 Click Get All to transfer all the images. You can also click an individual image to select it. The Get All button changes to Get Selected.

NOTE

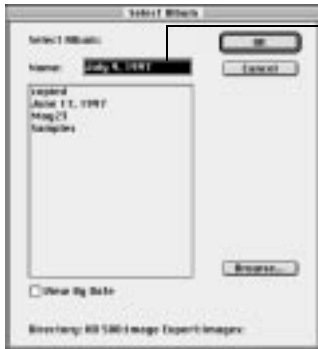
*If you want to select more than one image, hold down the **Ctrl** key while you click. To deselect, click another image.*

You see a Select Album window like the following:



Type here if you want to rename your album.

Windows

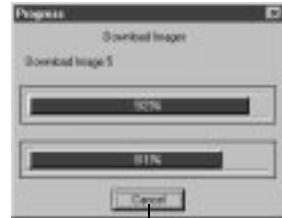


Type here if you want to rename your album.

Macintosh

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.

- 5 Click Open (or OK on a Macintosh) to begin transferring your pictures. A window like the following appears to show you the progress of each image.



Click if you want to stop transferring images.

- 6 When you're finished, close the filmstrip window. You see a message asking if you want to delete all the files in the camera.

- 7 If you want to make room for more pictures in your camera, click Yes. Your pictures are displayed in an album of thumbnails. 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 the following chapters for instructions.

You can also use the Help menu for more information. If you're using Windows 95, you can run the Quick Tour from the Help menu to learn more about the camera and your software.

What To Do if You See an Error Message

When you click the button to view images in the camera, 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 it off and then back on again by closing and opening the lens cover.
- 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 Setup.

You see the following dialog box:



- 5 Select another port if necessary. In most cases, it is 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.

- 6 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.
- 7 When you are finished, click OK.

Getting Images Into TWAIN Applications

If you use 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 (or Acquire, then TWAIN Select Source) from the File menu.
- 3 Choose EPSON PhotoPC 700/600 as the TWAIN source.
- 4 Choose Import, then TWAIN_32 (or Acquire, then TWAIN Acquire) from the File menu.

- 5 The EPSON Photo!2 screen appears, with “thumbnail” images of your pictures, as shown below. (If you see a Setup screen that says The Camera Is Not Responding, see page 4-13.)



- 6 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 rotate buttons to turn the picture 90 degrees.
- ▶ Click Photo Info to see the capture time and date, image resolution, and other information.
- ▶ Click 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. Not recommended without using the AC adapter.)

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

- 8 If necessary, click Close to exit the EPSON Photo!2 screen and return to your application. You see the picture or pictures in the work area.

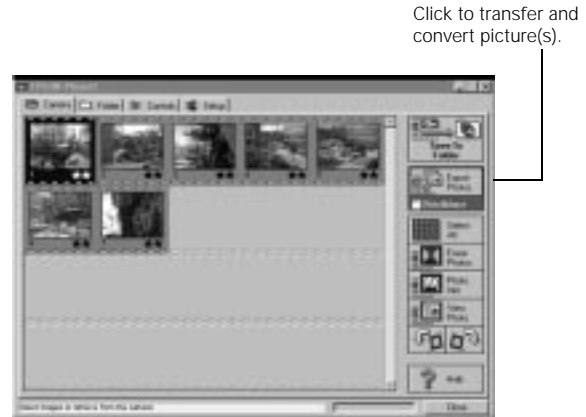
Getting Images That You Can Import

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!2 to automatically convert the files as you transfer them.

Follow these steps to transfer and export your pictures with EPSON Photo!2:

- 1 Start your EPSON Photo!2 software. Under Windows 95, click Start, and then point to Programs, PhotoPC 700, EPSON Photo!2.

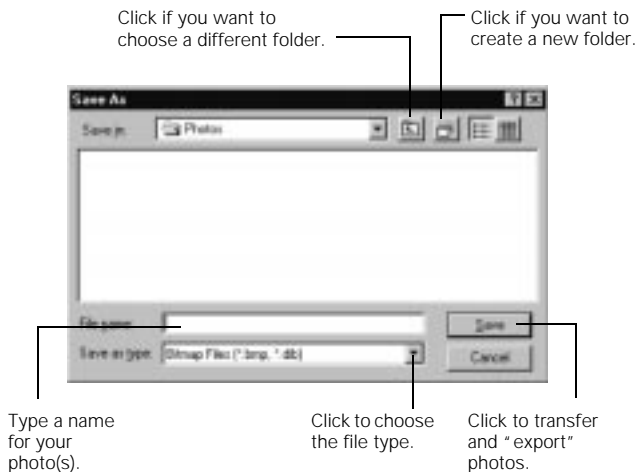
You see a screen like the one below. (If you see a Setup screen that says The Camera Is Not Responding, see page 4-13.)



- 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 transfer, as described on page 4-10.

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



- 4 Type a file name. If you're transferring 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!2. 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 of the additional things you can do with EPSON Photo!2:

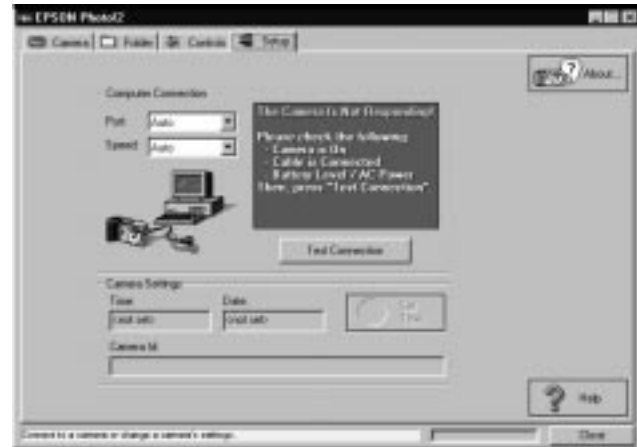
- ▶ Select the Folder tab and click Browse to locate and display pictures you have downloaded. You can then select a picture and click Upload Photos to transfer a picture from your computer to the camera or an optional memory card. See Chapter 9 for more information.
- ▶ Select the Controls tab to change camera settings or view a live preview and take pictures from your computer. See page 8-4 for more information.
- ▶ Set the camera's date and time from the Setup tab, or change your computer connection settings. See pages 8-7 to 8-9 for more information.

8 Click Close to exit EPSON Photo!2.

You can now insert your exported pictures in documents and other projects. For instructions, see page 5-2.

What To Do If the Camera Is Not Responding

When you try to acquire pictures from the camera or start the EPSON Photo!2 application, you may see a screen like the following:



Follow these steps to fix your camera connection:

- 1 Make sure the camera is turned on and has not shut off automatically. If it has, turn it off and then back on again by closing and opening the lens cover.
- 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 Test Connection. If you see the same screen, continue with step 5.
- 5 Select another port if necessary. In most cases, it is best to leave the Port setting at Auto because EPSON Photo!2 can detect the camera connection automatically.
- 6 Select a slower speed. EPSON Photo!2 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.
- 7 Click Test Connection again. If you still don't see your pictures, see Chapter 11 for more troubleshooting tips.

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

Getting Your Photos Into Documents



PhotoPC 700 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 95 or Windows NT, 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

NOTE

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

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 on page 4-11) 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.

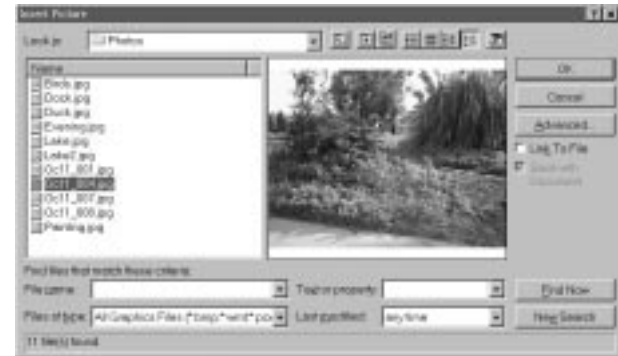
Follow these steps to import a PhotoPC 700 picture into your document:

- 1 Start your application.

5-2 Getting Your Photos Into Documents

- 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:



- 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. Follow these steps:

- 1 Open your picture in Image Expert.
- 2 Click the Copy button or select Copy from the Edit menu.
- 3 Start your word processor or other application.
- 4 Open the document where you want to use the picture.
- 5 Choose Paste (or Paste Special) from the 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 in Chapter 4.
- 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 the album name 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 on it to bring up the Image Expert menus and toolbar.


Getting Images With the Camio Viewer (Windows 95 and Windows NT)

The Camio Viewer, which runs only under Windows 95 or Windows NT, 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.

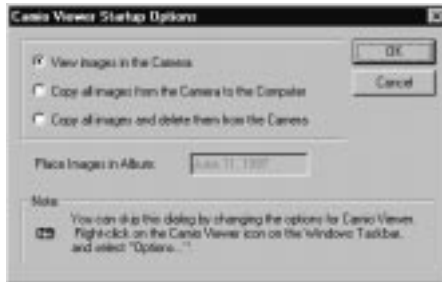
NOTE

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

First you need to connect the camera to your computer as described in Chapter 4. Then follow these steps:

- 1 Double-click the camera icon  on the right end of your Windows 95 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 disk 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 disk 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 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.

6

Working With Photos and Albums

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You can use Image Expert albums to organize and display your pictures. You can print using dozens of predefined layouts, including pages that combine different photos in various sizes. On Windows systems, you can also record and play back sounds for each image, copy an album to diskette, use your own images as your screen saver or wallpaper, and even e-mail your pictures. This chapter covers the following:

- Using albums to display and organize pictures
- Printing photos and albums
- Recording and playing back sounds (Windows only)
- Displaying albums as slide shows and creating wallpaper (Windows only)
- Creating screen savers and copying albums to diskette (Windows 95 and NT only)
- Sending pictures by e-mail (Windows 95 only)

Using 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:


- ▶ Use the Edit menu to rename or delete an album.
- ▶ Add or remove pictures by moving them to or from another album.
- ▶ Rearrange an album by selecting Sort By Name or Sort By Date from the View menu.

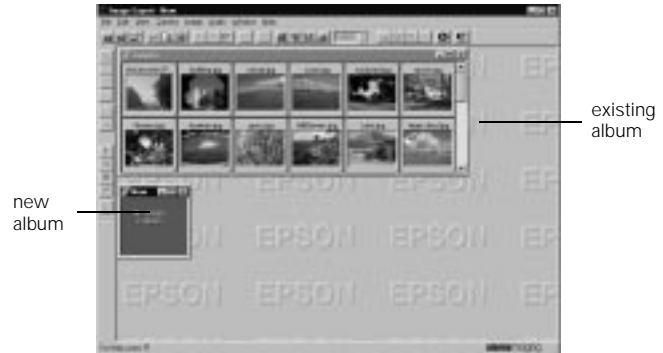
Organizing Pictures in Albums

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

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.

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

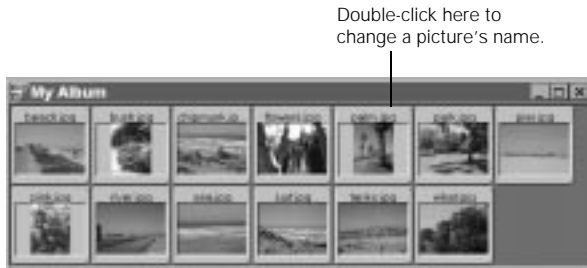
The images are copied to the album. You can sort the pictures and save or rename the new album.

Renaming a Picture

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

- Click the picture to select it.
- Double-click the name that appears above the picture.


The name is highlighted.



- 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:

- Click the picture to select it or open the image by double-clicking it.
- Click the Properties button  or select Properties from the Image menu. You see information like the following:



All PhotoPC 700 images are captured as 24-bit JPEG files, including monochrome images.

- 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, create circular photos, or print combinations with standard sizes for framing.

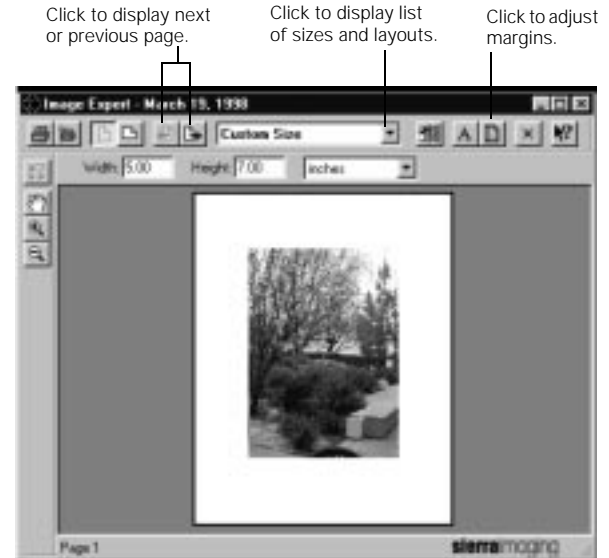
Follow these steps to print:

- 1 Open the image or album you want to print.


6-4 Working With Photos and Albums

- 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 out your picture(s).



NOTE

To print from Windows 3.1, click the Page Setup button or choose Page Setup from the File menu. You can add a title or footer to your page and print a contact sheet or select the number of images per page for albums. However, you can't choose layout styles or use the other features described in this section.

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.

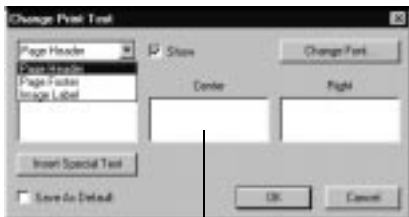
- 4 Choose the size and number of images you want per page. If you need an unusual size, choose Custom Size. You can then enter exact dimensions for your picture or size it interactively in the layout window.

- 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 item.
- 3 Click Change Font to set the font size, style, color, and so on for your header, footer, or labels.
- 4 Click Insert Special Item to choose one of the following for your header, footer, or labels (not all choices are available on the Macintosh):

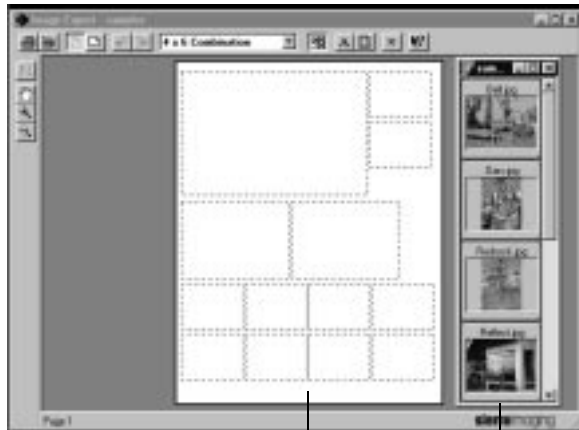


- 5 When you're finished designing your text, click OK. The text is previewed on your layout in the center of the screen.

Choosing Album Images

If you're printing an album, Image Expert will use 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.



page layout

album filmstrip

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

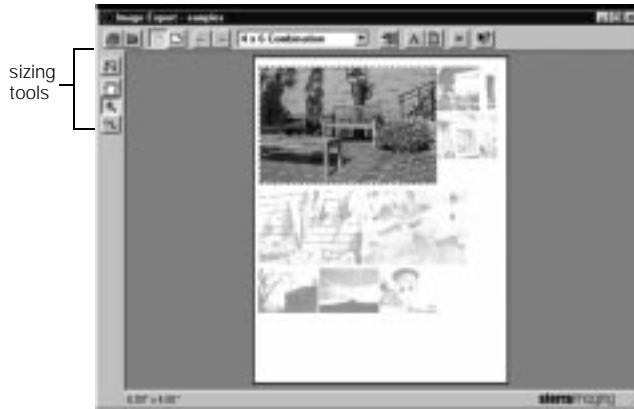
You may notice that some images are cropped. If you want to adjust the cropping, or zoom an image in or out, follow the instructions in the next section.


Adjusting the Printed Area


You can zoom in on an image, and then move it around to display the just 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.

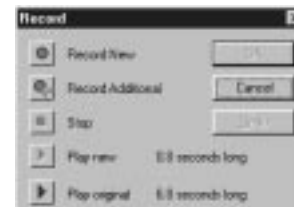
- 3 Click the Move tool  and then click on an image to move it and choose the portion you want to display.

- 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 you're using Windows and your 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:

- 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 from the Audio 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 Cancel to delete the new recording and exit the Record window.

Playing Back Sounds

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




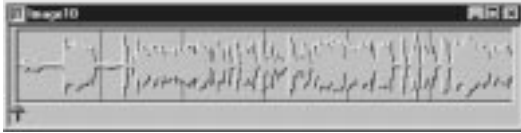
You can also select the image with sound and use the Audio buttons on the left side of your screen to listen to it:



Editing Sounds

You can 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 Audio Edit button , or choose Edit from the Audio 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.
 - ▶ Click Cut to remove the section.
 - ▶ Click Copy to copy it.
 - ▶ Select another image and click Paste to add the sound clip to the new image.

NOTE

To adjust recording or playback volume, or modify other features of your audio system, select System Properties from the Audio menu. You can also click (or right-click) the sound icon on your Windows 95 task bar. 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:



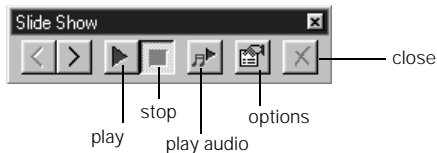
- 3 Check the Only delete the audio box, then click Yes.

Displaying Albums as Slide Shows

With Windows, when you display an album as a slide show, 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, as shown:



- 3 Click the Play button to see the slide show.

- 4 If you want to change the appearance 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 Exit button to stop the slide show.

Copying to Diskette

If you're using Windows 95 or Windows NT, you can copy albums or individual images to diskettes. 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.

2 Open the album you want to copy.

If you only want to include some 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 floppy drive appears in the Copy images to box.

5 If you want 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 click Selected Images Only to deselect it.

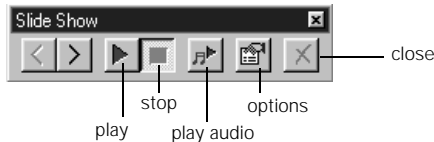
NOTE

Depending on the size of your image files, you may only be able to fit two or three on a diskette. You may want to use Zip™ disks or other large-format storage media. 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

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 6-11 for instructions on setting slide show options.

Using an Album as a Screen Saver

If you're using Windows 95 or Windows NT, it's easy to make your own screen saver with your favorite pictures. Follow these steps:

- 1 Open the 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 the background for your desktop. Follow these steps:

- 1 Open the image you want to use, or select it in an album.
- 2 Choose Set As Wallpaper from the File menu.

The following dialog box appears.



Click to remove existing wallpaper.

- 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.

Sending Pictures and Sound by E-mail

You can send a picture directly from Image Expert if your e-mail application complies with the MAPI (messaging application programming interface) standard (Windows 95 or Windows NT only). 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 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.
- 2 Choose Send from the file menu. You see the Choose Profile dialog box on the right.



Click to configure your Internet service for Microsoft Exchange.

- 3 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.

- 4 Click OK. Your e-mail application opens, and the image(s) you selected appear as attachments.
- 5 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.
- 6 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.

7

Editing Images



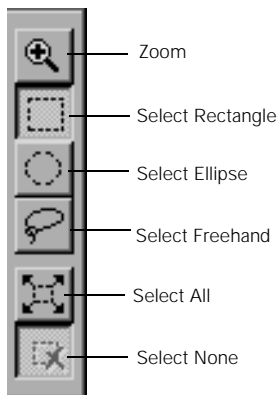
You can edit your images to enhance their appearance, crop, rotate, and resize them, or create special effects. This chapter describes the following Image Expert features you can use to modify your images:

- ▶ Viewing and selecting
- ▶ Applying Quick Fix
- ▶ Correcting
- ▶ Cropping
- ▶ Resizing and maintaining resolution
- ▶ Rotating
- ▶ Flipping
- ▶ Applying special effects
- ▶ Changing the number of colors

Viewing and Selecting

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 the Zoom tool, and then click anywhere on your image to enlarge your view. Hold down the Ctrl key and click to zoom out.
- ▶ Use one of the three selection tools 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.

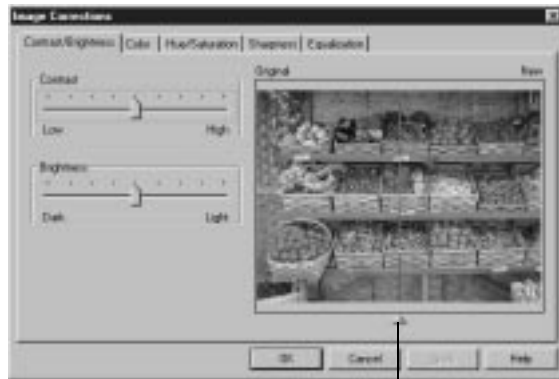
Applying Quick Fix

The easiest way to improve your image is to have Image Expert automatically “correct” it with the Quick Fix command. You can 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. (If you Quick Fix an image displayed in an album, you can't undo it.)

Correcting

To fine-tune an image, 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.

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 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.
- ▶ **Equalization**
For increasing 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.

- ▶ 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

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 Open the image you want to modify.
- 2 Click one of the selection tools on the left side of your screen.

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



selected area

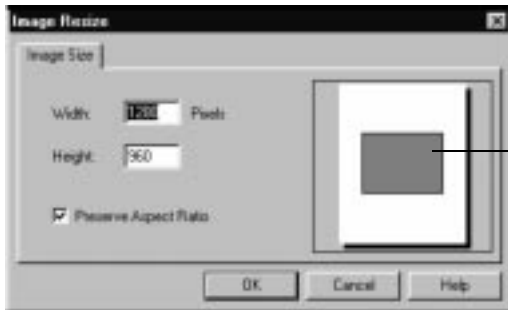
- 4 If you change your mind about which part of the image to crop, simply click anywhere in the image and repeat step 3.

- 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

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

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



This box changes size to reflect the numbers you enter.

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.

Maintaining Image Resolution

When you use the Print Layout feature to change a picture's printed size, the size in pixels doesn't change. But the picture's resolution (pixels per inch) changes. That's why you should use the resizing feature if you want to keep the original resolution.

$$\text{pixels} \div \text{inches} = \text{resolution}$$

For example, the default size of a fine or super fine image (1280 × 960 pixels) is 5.3 × 4 inches.

$$960 \text{ pixels} \div 4 \text{ inches} = 240 \text{ pixels per inch}$$

To increase the picture's height to 6 inches, multiply 6 × 240 and enter the new number (1440) for the height in the Resize dialog box.

$$240 \text{ pixels per inch} \times 6 \text{ inches} = 1440 \text{ pixels}$$

Rotating

You can click the Rotate tool  to quickly rotate a picture to the right. (If you rotate an image displayed in an album, you can't undo it.) For more options, select Rotate from the Image menu.

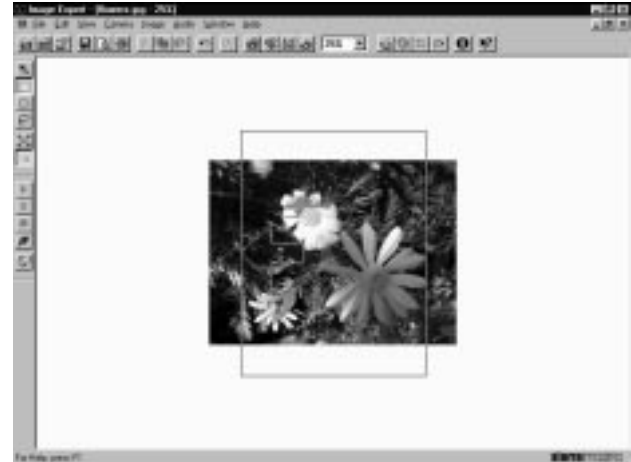
You can choose one of the following:

- ▶ 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:



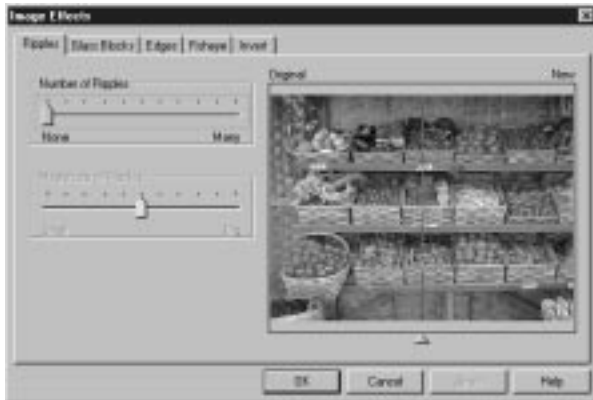
- 2 Move the pointer to rotate your image.
- 3 Release the mouse when your picture is at the angle you want.

Flipping

You can reverse your image by selecting 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, choose Effects from the Image menu. You see a dialog box like the following:



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 “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.

- ▶ 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, 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.

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.

8

Using Custom and Advanced Features

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. To change the power-saving mode (so your camera remains on after you take a picture with the LCD screen) and further customize your camera's operation, you can use the Camera Settings menus on the LCD screen.

This chapter covers the following:

- ▶ Taking pictures from your computer
- ▶ Adjusting camera settings from your computer
- ▶ Customizing settings with the LCD screen

NOTE

You can use either Image Expert or EPSON Photo!2 to take pictures from your computer, adjust camera settings, and transfer images. PhotoPC 700 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 all the 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 700, 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 4.
- 2 Position the camera facing the subject. Using a tripod will give you the most control when setting up your shots. See page A-3 for instructions.
- 3 Turn on both your camera and your computer system.
- 4 Start Image Expert as described on page 4-4.
- 5 Click the **Camera Controls** button  or choose **Controls** from the Camera menu.

You see a dialog box like the following:



NOTE

The camera's auto shut-off feature remains in effect when the camera is connected to your computer, but the camera shuts off after 5 minutes of inactivity. To turn the camera back on, close the lens cover and then open it again.

- 6 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**, **Resolution**, and **Macro** buttons on the screen to adjust these settings just as you would by using the buttons on the camera. For more information, see Chapter 2.

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.

- 7 When your shot is ready, click **Take Picture**. The image is captured and processed.
- 8 Click **Close** when you're finished taking pictures from your computer.

NOTE

The live preview feature will quickly drain 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.

Setting the Shutter Speed

Most of the time, PhotoPC 700 adjusts the shutter speed automatically. However, when you take pictures from your computer, you can adjust the speed manually. This lets you use special lighting effects and even take “stop-action” photos.

On the Camera Controls window, click the arrow and select the speed you want from the drop-down list. When you change the speed, Image Expert remembers what you chose the next time you connect the camera.

Taking Pictures With EPSON Photo!2

You can use your EPSON Photo!2 application to take pictures from your computer, in the same way as Image Expert.

First, follow steps 1 through 3 on page 8-2. Then follow these steps:

- 1 Start EPSON Photo!2 as described on page 4-11.
- 2 Click the **Controls** tab. You see a dialog box like the following:



- 3 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 click the **Mode**, **Flash**, **Self Timer**, and **Macro** buttons on the screen to adjust these settings just as you would by using the buttons on the camera. For more information, see Chapter 2.

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

- 5 Click **Close** when you're finished taking pictures from your computer.

The AutoStop Timer shuts off 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!2 to change the following camera settings:

- ▶ Time
- ▶ Date
- ▶ Power down time (Auto Shutoff)
- ▶ Camera ID
- ▶ Connection Port
- ▶ Connection Speed

Changing Settings With Image Expert

In Image Expert, you can change settings when you are viewing pictures in the camera. Follow these steps:


- 1 Connect the camera to your computer as described in Chapter 4.
- 2 Turn on both your camera and your computer system.

- 3 Start Image Expert as described in Chapter 4 and click **View Pictures in the Camera**.
- 4 Click the **Camera Setup** button  to display the Camera Setup dialog box, as shown below:



- ▶ 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.

- ▶ Type in the **Computer Time** and **Camera Time** boxes to change the time and date of either one. Or, click **Set Camera to Computer Time** to have your camera automatically synchronized to your computer.
- ▶ Enter new values in either of the **Power Down Time** boxes if you want to change the camera's automatic shut-off period.

- 5 Click **OK** to return to the View Pictures window.
- 6 If you want to adjust your port settings, click the **Camera Connection** button . You see the Connection dialog box:



- ▶ Select another port if you want to change your connection. In most cases, it is 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.

7 Click OK to return to the View Pictures window.

Changing Settings With EPSON Photo!2

When you're using your camera with EPSON Photo!2, you can click the **Setup** tab to display the following dialog box:



You can change the **Computer Connection** settings as described on the following page and then click the **Test Connection** button.

- ▶ Select another port if you want to change your connection. In most cases, it is best to leave the **Port** setting at **Auto** because EPSON Photo!2 can detect the camera connection automatically.
- ▶ Select a different communication speed. EPSON Photo!2 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.
- ▶ Click **Test Connection** to make sure your new settings work with your system.
- ▶ 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.

- ▶ Enter a new **Auto Shut-off Time** if you want to change this setting (not available on Macintosh). This is the idle period after which the camera turns off automatically when it is not connected to your computer. (If you set a power-down time in Image Expert, it overrides the auto shut-off time setting in EPSON Photo!2.)
- ▶ 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.

Customizing Settings With the LCD Screen



In addition to using your computer to customize camera settings, you can use the LCD screen

Settings menu. This lets you change the power mode so your camera remains on after you capture a picture with the LCD screen. You can also set the camera's date and time, turn the alert beep off, and adjust the LCD brightness level.

Follow these steps to access the Settings menu:

- 1 Set the screen switch to **Playback**.
- 2 Press the **SELECT** button to display the LCD screen menus.
- 3 Press the **▶/▲** or **◀/▼** button until you see the Settings menu:

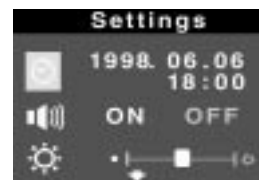


- 4 Follow the instructions below for the settings you want to change.
- 5 When you're finished adjusting settings, press the **BACK** button to return to normal playback mode.

Setting the Camera Clock

Follow these steps to set the date (year, month, day) and the time (hour and minute).

- 1 With the Settings menu selected, press the **SELECT** button. Icons for each setting appear on the screen, with the clock icon highlighted in orange:



- 2 Press **SELECT** to enter the clock setting mode.


- 3 Press **SELECT** again to choose the portion of the time or date you want to adjust. The selected item turns red.
- 4 Press the **▶/▲** button to increase the number, or the **◀/▼** button to decrease the number, until the item you want to adjust is correct. Then press **SELECT** to move to the next item (or **BACK** to move to the previous).
- 5 Repeat steps 3 and 4 until the date and time are correctly adjusted and saved. Press the **SELECT** button again to return to the Camera Settings menu.

NOTE

You need to reset the time and date whenever you replace the camera's batteries. In this case, you can enter the clock setting mode directly rather than going through the Camera Settings menu. See page 1-12 for instructions.


Setting the Alert Beep

The camera's alert beep lets you know when an image has been captured. To turn the beep on or off, follow these steps:

- 1 With the Settings menu selected, press the **SELECT** button. Icons for each setting appear on the screen, as shown on the left.
- 2 Press the **◀/▼** button to select the beep setting icon .
- 3 Press the **SELECT** button to select **ON** or **OFF**. The current selection is highlighted. When you turn the setting on, you hear the camera beep.
- 4 Press the **BACK** button to save your setting and return to the Settings menu.

Setting the LCD Brightness


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

- 1 With the Settings menu selected, press the **SELECT** button. Icons for each setting appear on the screen, as shown on page 8-9.
- 2 Press the **◀/▼** button until the brightness icon  is highlighted in orange.
- 3 Press the **SELECT** button again.
- 4 Press the **▶/▲** or **◀/▼** buttons to adjust the screen brightness.
- 5 When you're finished adjusting the screen brightness, press the **SELECT** or **BACK** button to save your setting and return to the Settings menu.

Setting the Power Mode

Your camera is set at the factory to the “Save” power mode. This means that the camera shuts off automatically after you take a picture with the LCD screen. You can change the power setting to “Normal” if you want the camera to remain on after you take a picture with the screen. Follow these steps:

- 1 With the Settings menu selected, press the **SELECT** button. Icons for each setting appear on the screen, as shown on page 8-9.

Press the **◀/▼** button until the power icon  is highlighted and the following options appear:



- 2 Press the **SELECT** button to choose **Save** or **Norm**.
- 3 Press the **BACK** button to save your setting and return to the Settings menu.

Setting the Language

You can choose from two languages for information displayed on the LCD screen. Make sure the LCD screen is set to **Playback** and follow these steps to select English:

- 1 Press the **SELECT** button to display the LCD screen menus.
- 2 Press the **▶/▲** or **◀/▼** button until you see the Language menu:



- 3 Press the **SELECT** button until **ENG** (English) is highlighted.
- 4 Press the **BACK** button to save your selection.
- 5 Slide the screen switch **OFF**.

9

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 Uploader lets you transfer images from your computer to your camera. 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 entire process, including the following:

- ▶ Uploading images to the camera
- ▶ Converting presentations
- ▶ Projecting your presentation

Uploading Images to the Camera

The EPSON Photo File Uploader software allows you to convert any image or presentation slide to the EPSON Photo file format and upload it to your camera or a CompactFlash storage card in your computer's PCMCIA drive.

You can upload images in 640 × 480 pixel, 1280 × 960 pixel, or 1280 × 480 pixel sizes. EPSON Photo File Uploader automatically converts images from their original size to whichever of these three sizes you choose.

NOTE

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

Uploading Existing Images From Your Windows PC

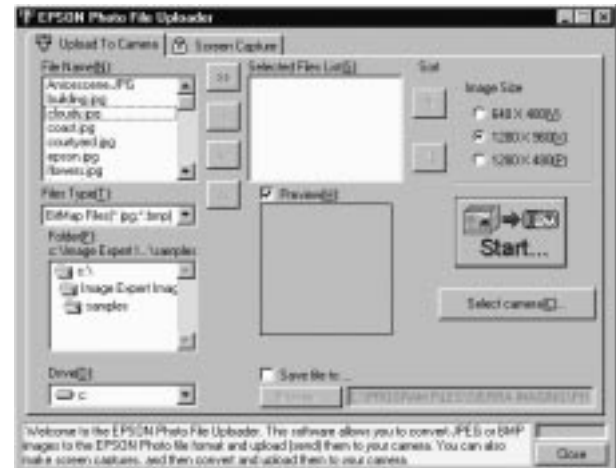
Before you start, make sure the camera is connected to your computer, and both the computer and the camera are turned on. Then follow these steps:

- 1 Start the EPSON Photo File Uploader program. In Windows 95, click **Start**, and then point to **Programs**, **PhotoPC 700**, **EPSON Photo File Uploader**. You see a screen like the one on the right.
- 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 Uploader software. See your Windows Help utility or documentation for more information.



Check this box for helpful information.

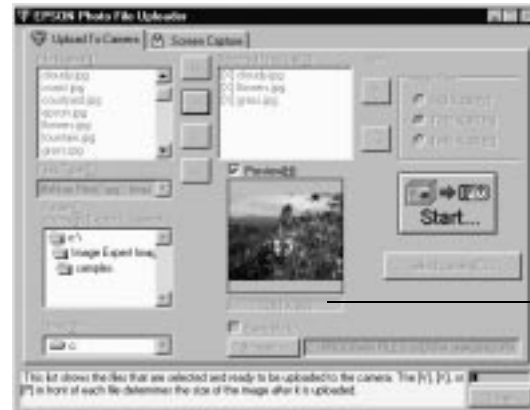
- 3 Select the format of the images you want to upload from the **File Type** list.
- 4 Select the images you want to upload in the **File Name** list. Then click the **→** button. If you want to upload all the images in the list at once, click the **>>** button.

As you select files, they appear in the **Selected Files List** in the order they will be uploaded, as shown on the right. 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 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. 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 **Select Camera** button, choose your camera, and click **Select**.
- 7 Click **Start**. EPSON Photo!2 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!2 to open.

- 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/Copy**.

The Upload Photos dialog box appears:



- 10 Click **Upload into the Camera** to upload the images to your camera, or click **Copy to a Compact Flash Memory Card** to upload to a storage 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, and that both the computer and the camera are turned on.
- 2 Double-click the **EPSON Photo File Uploader** icon. The EPSON Photo File Uploader window opens, as shown on the right.
- 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.



size of
previewed
image

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**, 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.

- 7 Click the **Select Camera** button, choose your camera, and click **Select**.
- 8 Click **Upload**. A window opens to show you the progress of the file conversion. Then EPSON Photo!2 opens and displays the images you selected:



- 9 Click **Select All** to select all the images, or select individual images by clicking the thumbnails in the image selection window.

- 10 Click **Upload**. The Upload/Copy Photos dialog box appears.



- 11 Click **Camera** to upload the images to your camera, or click **CompactFlash Memory Card** to upload to a CompactFlash storage 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 5, the converted images are also saved to the folder you specified.

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 the camera or to a storage 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.*

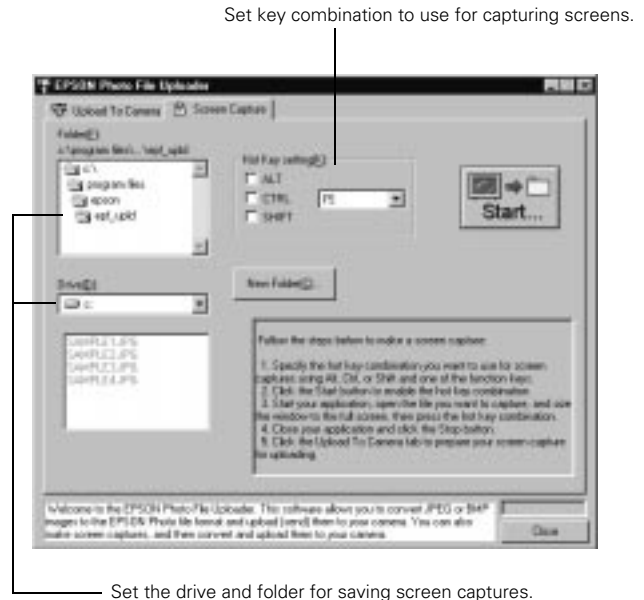
Windows users can make screen captures from within the EPSON Photo File Uploader utility; Macintosh users need to use the standard Macintosh screen capture function.

Capturing Windows Screens

Before you start, make sure the camera is connected to your computer, and both the computer and the camera are turned on. Then follow these steps:

- 1 Start the EPSON Photo File Uploader program as described on page 9-2. You see the EPSON Photo File Uploader window, as shown on page 9-2.
- 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. If you need 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.

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 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 9-3.

TIP

Presentations using large fonts (at least 18 point) work best.

Capturing Macintosh Screens

EPSON Photo File Uploader 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 Uploader to upload the screen captures to your camera.

The procedure may be different depending on your Macintosh. See your computer manual for instructions on making screen captures.

Make sure the camera is connected to your Macintosh, and both the computer and the camera are turned on. Then follow these steps:

- 1 Open the EPSON Photo File Uploader as described on page 9-8.
- 2 Start your application and open the file to the image you want to capture.

NOTE

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.

- 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.

- 4 When you are finished, close your application.

To upload your screen shots to the camera, click the EPSON Photo File Uploader window to make it active, then follow the uploading instructions starting with step 3 on page 9-5.

Projecting Your Presentation

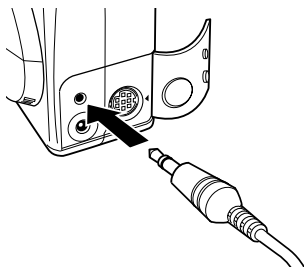
You can display the uploaded images on a multimedia projector, television, or other video output device. Use the video cable that came with your PhotoPC 700.

NOTE

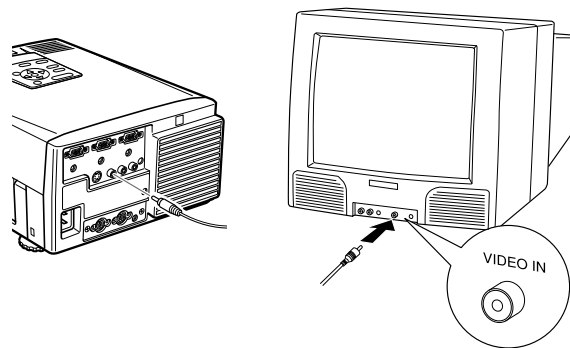
Using the optional AC adapter is highly recommended when you project your presentation. See page A-2 for instructions and ordering information.

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 as shown on the right.



- 4 Turn on the TV or video projector and switch it to video mode.
- 5 Slide the camera's screen switch to **Playback**.

The last image that you uploaded into 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 a time using the navigation buttons. You can use all of the camera's other playback features to show your presentation.

Using CompactFlash Storage Cards

You can use ATA-compatible CompactFlash storage cards (4MB to 32MB) to increase the capacity of your PhotoPC 700 camera. You can copy photos from your camera to a card (and vice versa).

It's easy to install and remove storage cards from your camera. If your desktop or notebook computer has a Type II PCMCIA card slot, you can access images directly by using an optional PCMCIA adapter. CompactFlash storage cards and adapters should be available where you bought your PhotoPC 700 camera.

NOTE

When you install a storage card, the camera stores and displays pictures on the card, rather than in its internal memory. When you remove the card, the camera uses its internal memory.

EPSON recommends ATA-compatible CompactFlash cards from the following manufacturers:

- ▶ Lexar Media, (800) 789-9418
- ▶ SanDisk, (408) 542-0595
- ▶ Simple Technology, (800) 4-SIMPLE

This chapter covers the following:

- ▶ Installing a storage card
- ▶ Removing a storage card
- ▶ Getting images from a card to your computer
- ▶ Formatting a storage card
- ▶ Getting memory information
- ▶ Copying to and from a storage card

CompactFlash cards increase the camera's picture storage capacity as shown in the table below. Each card adds the number of pictures shown to the number of pictures in the camera's internal memory.

Number of pictures (minimum capacity)

Image quality	Internal memory*	4MB card	8MB card	12MB card	16MB card	20MB card	24MB card	32MB card
Standard	39	59	119	179	240	298	360	481
Fine	11	17	35	53	72	89	108	144
Super fine	5	8	17	26	36	44	54	72
Fine panorama	23	35	71	107	144	179	216	288
Super fine panorama	11	17	35	53	72	89	108	144

* With Direct Print installed (factory setting)

NOTE

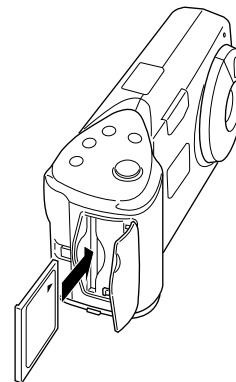
When a storage card is installed, you may notice a delay between the time you press the shutter button and when the camera beeps. To avoid blurring, make sure you hold the camera still until it beeps.

10-2 Using CompactFlash Storage Cards

Installing a Storage Card

Before you start, make sure the camera and the LCD screen are turned off. Then follow these steps:

- 1 Open the storage card cover and insert the card all the way into the slot, as shown below.



- 2 Close the card slot cover.

The number of pictures you can store in the storage card appears in brackets on the camera's display panel.

[18]

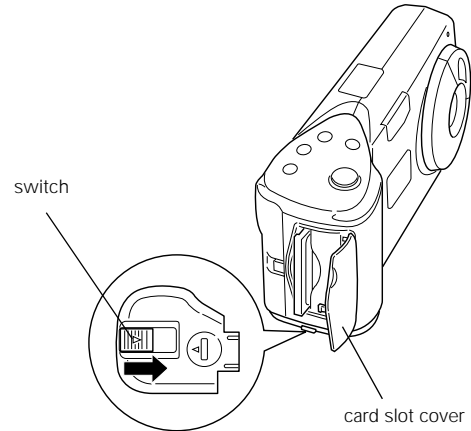
Removing a Storage Card

Make sure the camera and the LCD screen are turned off. Then follow these steps:

- 1 Open the cover and slide the switch on the bottom of the camera to eject the card, as shown on the right.
- 2 Remove the card by hand, then close the card slot cover.

CAUTION

Never remove the card while the camera is accessing it. Data in the card may be lost or damaged. Avoid using or storing the card in dusty places, in direct sunlight, or in places that become extremely hot or humid.



Getting Images From a Card to Your Computer

A PCMCIA adapter allows you to access images stored on CompactFlash cards directly from your computer or notebook/PowerBook.™ 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 the PC Exchange extension software to access files on CompactFlash cards. See your Macintosh documentation for more information.

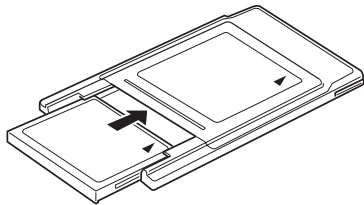
NOTE

If you don't have a PCMCIA adapter, you can simply leave the card in your camera and transfer the images to your computer following the instructions in Chapter 4.

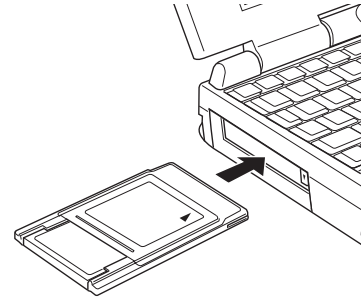
Using a PCMCIA Adapter

Follow these steps to use an adapter:

- 1 Insert the storage card all the way into the adapter, as shown below:




- 2 Insert the adapter into your computer's Type II PCMCIA slot:



Transferring Photos

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 95, use My Computer or the Windows Explorer to drag and drop image files to your hard drive.
- ▶ In Windows 3.1, use the Windows File Manager to copy image files to your hard drive.
- ▶ On a Macintosh, use the Finder to drag and drop image files to your desktop or hard drive.
- ▶ Click the View PC Card Images button  in Image Expert and follow the instructions beginning on page 4-6 to transfer images in the usual way.

NOTE

If you can't access a card in your notebook computer, contact the computer manufacturer. For more information, see page 12-7.

Formatting a Storage Card

Most ATA CompactFlash cards are already formatted when you buy them. You only need to format a card if a message appears on the LCD screen instructing you to do so.


With the storage card installed in the camera, follow these steps:

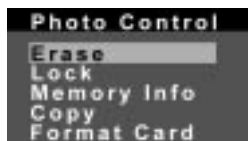
- 1 Set the screen switch to Playback. If you haven't used the storage card, you may see the following message:



This applies to the storage card only, and does not indicate whether you have photos in the camera's internal memory.

- 2 Press the SELECT button to display the LCD screen menus.

- 3 Press the **▶/▲** or **◀/▼** button until you see the Photo Control menu . Then press the SELECT button to display the menu options, as shown below:



- 4 Press the **▶/▲** or **◀/▼** button until Format Card is highlighted.
- 5 Press the SELECT button. A message appears stating that all data on the card will be erased and asking you to confirm the procedure.
- 6 Press the SELECT button again to format the card and return to the Photo Control menu.
- 7 Press BACK until you return to normal playback mode.

NOTE

If you have problems formatting or using a storage card, try the following technical support numbers:

Simple Technology: (800) 4-SIMPLE

SanDisk: (408) 542-0400

Lexar Media: (510) 413-1200

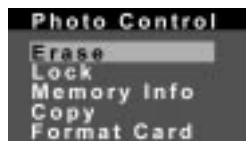
Getting Memory Information



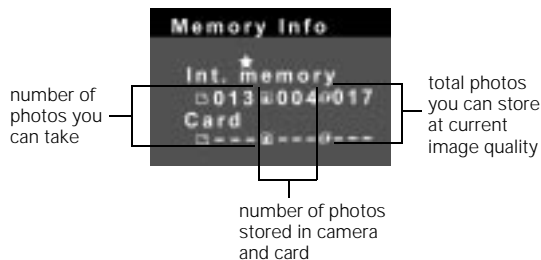
You can use the Photo Control menu to get information on the number of pictures taken and remaining in your camera's internal memory and on an installed storage card. Make sure the screen switch is set to Playback and follow these steps:

- 1 Press the SELECT button to display the LCD screen menus.
- 2 Press the **▶/▲** or **◀/▼** button until you see the Photo Control menu.

- 3 Press the SELECT button to display the menu options:



- 4 Press the ◀/▼ button until Memory Info is highlighted in orange, then press the SELECT button. You see information displayed like the following:



- 5 Press BACK to return to the Photo Control menu. Continue pressing BACK to return to normal playback mode.

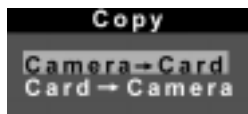
Copying To and From a Storage Card

When a storage card is installed in your camera, you can copy photos between the camera's internal memory and the storage card. Before you start, make sure the screen switch is set to Playback. You might find it easier to select images if you set the playback mode to Multi. See page 3-4 for instructions. Then follow these steps:

- 1 Press the SELECT button to display the LCD screen menus.
- 2 Press the ▶/▲ or ◀/▼ button until you see the Photo Control menu. Then press the SELECT button to display the menu options:



- 3 Press the **▶/▲** or **◀/▼** button until Copy is highlighted in orange, then press the **SELECT** button to enter the Copy mode. The following menu is displayed:



- 4 Press the **▶/▲** or **◀/▼** button to copy photos from the camera to the card, or from the card to the camera.
- 5 Press the **SELECT** button, then press the **▶/▲** or **◀/▼** button to move forward or back through the images in the camera until the photo you want to copy appears on the screen.
- 6 Press the **SELECT** button. An orange frame appears around the photo. If you want to copy several photos at the same time, use the **▶/▲** or **◀/▼** button to display them and press the **SELECT** button each time.

NOTE

*To cancel the selection of a photo, simply press the **SELECT** button again. If you select more photos than the card or camera can hold, an error message appears.*

- 7 When you have selected all the photos you want to copy, press the **BACK** button. A message appears asking you to confirm your selections.
- 8 Press the **SELECT** button to copy the images.
- 9 Press **BACK** until you return to playback mode.

11 Printing Directly From the Camera

Your PhotoPC 700 camera lets you print your pictures directly to any of several EPSON ink jet printers, without using a computer. You can choose from a number of layout options, select the type and size paper you want to use, and print in four different color 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 COLOR 600
- ▶ EPSON Stylus COLOR 800
- ▶ EPSON Stylus COLOR 850

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 page A-2 for information on ordering an adapter from EPSON Accessories.

This chapter includes the following information about using the Direct Print program on your camera:

- ▶ Connecting the camera to the printer
- ▶ Starting Direct Print
- ▶ Printing
- ▶ Cleaning the print head
- ▶ Removing and installing Direct Print
- ▶ Error messages

NOTE

The Direct Print program is designed to work with special ink jet media, including coated or glossy paper, glossy film, ink jet cards, and photo stickers. If you use plain paper, your pictures will not be printed at the highest quality. See your printer User's Guide for more information about special paper and film available from EPSON.

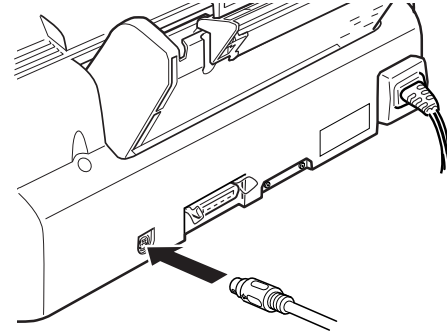
Connecting the Camera to the Printer

Before you start, make sure you have the Direct Print cable that came with your camera (or a standard Apple System Serial-8 printer cable). Don't use the PC connection cable or Macintosh adapter cable.

Follow these steps to connect your camera to the printer:

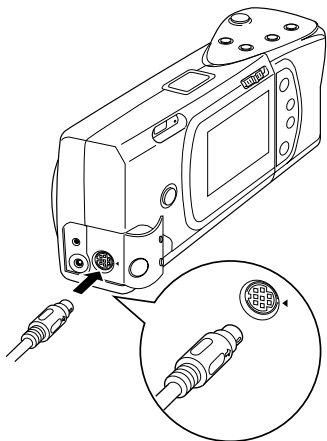
- 1** Make sure both the camera and printer are turned off.

- 2** Connect either end of the interface cable to the serial connector on the back of the printer.




- 3** Open the connector cover on the side of the camera.

- 4 Line up the arrow on the cable connector with the mark on the camera's serial port, then insert the connector.



Starting Direct Print

Follow these steps to start Direct Print:

- 1 Turn on the printer. (The camera does not need to be on.)
- 2 Slide the screen switch on the camera to **Playback**.
- 3 Press the **SELECT** button.
- 4 Press the **▶/▲** or **◀/▼** button until you see the **Software Menu** .
- 5 Press the **SELECT** button.
- 6 Press the **◀/▼** button to highlight **Direct Print** and press the **SELECT** button. You see the **Print** menu:



NOTE

You can press the **BACK** button to return to the previous screen at any time while using Direct Print.

Printing

You can print any selected image(s) or all the images in your camera on various types of paper. The following sections describe printing with the available layout options:

- ▶ Printing a full size or 5×7 image
- ▶ Printing a card
- ▶ Printing album images
- ▶ Printing stickers
- ▶ Making an index print

Printing a Full Size or 5×7 Image

These layouts allow you to print one image per sheet of paper. The Full Size option prints at the largest size that will fit on the page. The 5×7 layout prints an image that is 5×7 inches.

These pictures show the way the printout appears on the paper you select for a Full Size image:

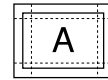
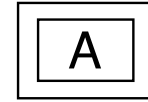


Photo paper



A6



Letter

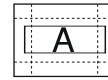
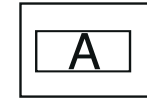


Photo paper
panorama

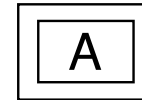


A6 panorama

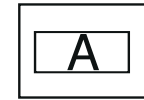


Letter panorama

These pictures show the way the printout appears on the paper you select for a 5×7 image:



A4/Letter



Letter panorama

Load your paper in the printer following the instructions in your printer *User's Guide*, then follow these steps to print a full size or 5 × 7 image:

- 1 On the Print menu (shown on page 11-3), press the ◀/▼ button to highlight **Layout** and press the **SELECT** button.

You see the Layout menu:



- 2 Highlight **Full Size** or **5 × 7 Size** and press the **SELECT** button.

- 3 Press the ◀/▼ button to highlight **Photo** and press **SELECT**. You see the Photo screen:



To print all the photos in the camera, highlight **All** and press **SELECT**. Then go to step 6 on page 11-6.

To select photos to print, highlight **Select** and press the **SELECT** button. You see thumbnail versions of the pictures in the camera (up to nine at once), with the currently selected image highlighted by a light blue border.

- 4 Press the ▶/▲ or ◀/▼ button to highlight the picture you want to print. When you see the light blue border around the image, press the **SELECT** button.

Repeat this step for as many images as you want to print. When you move the highlight to other images, you can see a dark blue border around any image you have selected. To deselect an image, highlight it and press the **SELECT** button. The dark blue border disappears.

- 5 When you are done selecting images, press the **BACK** button. You see a message like the following:



Press the **SELECT** button (if you want to keep what you have selected). If you want to go back and select different photos, press the **BACK** button.

NOTE

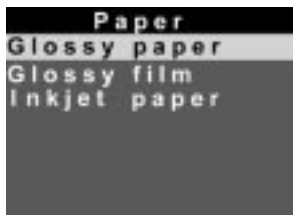
If you go back to select different photos, all your selections disappear and you have to start over again. If you don't select anything, the Photo option is set back to All.

- 6 Press the **▶/▲** or **◀/▼** button to highlight the **Paper** option and press the **SELECT** button. You see the first paper menu (paper size):



For Full Size, you can select **A6** (105 × 148 mm), **Photo paper** (4 × 6 inches), **Letter**, or **A4**. For 5 × 7, you can select **Letter** or **A4**. Press the **▶/▲** or **◀/▼** button to highlight the correct size.

- 7 Press the **SELECT** button to go to the next paper menu (if you selected **Photo paper**, you return to the Print menu with **Glossy paper** automatically selected):



Press the **▶/▲** or **◀/▼** button to highlight the paper type you're using and press the **SELECT** button to return to the Print menu.

- 8 If you want to print more than one copy of each photo, press the **▶/▲** or **◀/▼** button to highlight the copies option and press the **SELECT** button.

You see the Copies menu:



Press the **▶/▲** button to increase or **◀/▼** button to decrease the number of copies and press the **SELECT** button to return to the Print menu.

- 9 Press the **◀/▼** button to highlight the **Time** option and press the **SELECT** button. The Time setting lets you print the picture with the time and date the photo was taken. Highlight either **On** or **Off** and press the **SELECT** button to return to the Print menu.

NOTE

The Time option is not available when you are printing with Photo paper selected as your paper option.

- 10 Press the ◀/▼ button to highlight the **Color** option and press the **SELECT** button. You see the Print Color menu:



Choose **Color** to print the picture in full color, **Monochrome** to print it in black and white, **Blue** to print it in blue tones, or **Sepia** to print it in brown tones for an old-fashioned look. Highlight the setting you want and press the **SELECT** button.

- 11 Press the ◀/▼ button to highlight the **Mode** option and press the **SELECT** button. You see the Mode menu:



For a quicker, lower-resolution printout, highlight **Fast**. Or, for a higher-resolution, slower printout, highlight **Fine**. Then press the **SELECT** button to return to the Print menu.

Producing Your Printout

When you're ready to print your picture, first make sure you have the correct paper or film loaded in the printer. (See your printer's *User's Guide* for paper loading instructions.) Then follow these steps:

- 1 Highlight **Print** at the top of the Print menu and press the **SELECT** button. You see a confirmation screen telling you how many photos are selected.
- 2 Press the **SELECT** button to continue printing or press **BACK** to return to the Print menu. The LCD screen goes blank and the display panel shows a star flashing across it while the picture is being sent to the printer. Then the printer starts printing the picture.

NOTE

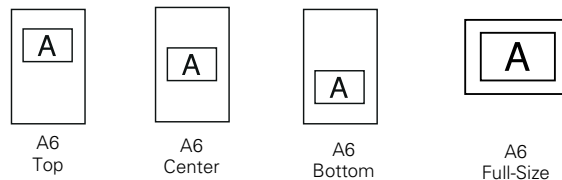
*If you want to stop printing a picture, hold down the **BACK** button for about 3 seconds. You see a message on the LCD screen that the printing is canceled, and then the Print menu reappears. The printer stops printing and ejects the paper.*

- 3 When you're finished printing your picture(s), press the **BACK** button several times to exit the Direct Print program. Slide the screen switch to **OFF** and turn off the printer.

Printing a Card

This layout allows you to print a single image (3.25 × 4.25 inches) on an A6-sized card (approximately 4 × 6 inches). EPSON Photo Quality Ink Jet cards are perfect for snapshots, photo greeting cards, and many other uses. You can also use this layout with A6-size glossy film.

These pictures show the way your printouts appear:



This section provides an overview of how to print cards. See the previous section for detailed instructions on using most of the menus. Load your card(s) in the printer, then follow these steps to print:

- 1 From the Print menu, select **Layout** and then select **Card**. (See page 11-5.)
- 2 Go to the Photo menu and select **All** to print all your photos, or select which photos you want to print. (See page 11-5.)
- 3 Go to the Paper menu and select the correct paper type. (See page 11-6.) The paper size is automatically set to **A6**.

- 4 Press the ◀/▶ button to highlight **Posi.** (position) and press the **SELECT** button. You see the Position screen:



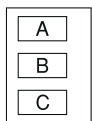
The Position setting lets you select the position on the card where the image is printed. Highlight **Top**, **Center**, **Bottom** or **Full Size**. **Full Size** prints the maximum area that can be printed on the card. The other options print images that are 2.1 × 2.8 inches. Press the **SELECT** button to return to the Print menu.

- 5 If you want to print multiple copies of your card, go to the Copies menu and select the number of copies you want to print. (See page 11-7.)
- 6 If you want to print the time the photo was taken, go to the Time menu and select **On**. (See page 11-7.)

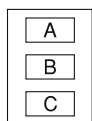
- 7 Go to the Color menu and select the color format you want to use for your printout. (See page 11-8.)
- 8 To change the print mode, go to the Mode menu and select **Fast** or **Fine**. (See page 11-8.)
- 9 When you're ready to print your card, follow the steps under "Producing Your Printout" on page 11-9.

Printing Album Images

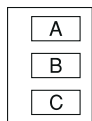
This layout allows you to print up to three images on A4 or Letter-size paper, and up to two images on A6-size cards or film. These pictures show the way your printouts appear:



A4/Letter
Left



A4/Letter
Center



A4/Letter
Right



A6

This section provides an overview of how to print an album. See the steps starting on page 11-5 for detailed instructions on using most of the menus. Load your paper in the printer, then follow these steps to print album images:

- 1 From the Print menu, select **Layout**, and then select **Album**. (See page 11-5.)
- 2 Go to the Photo menu and select **All** to print all your photos, or select which photos you want to print. (See page 11-5.)
- 3 Go to the Paper menu and select the correct paper type (see page 11-6). You can select **Letter**, **A4**, or **A6** for the paper size.
- 4 Press the ◀/▶ button to highlight **Posi.** (position) and press the **SELECT** button.

You see the Position screen:



The Position setting lets you select the position on the page where the image is printed. Highlight **Right**, **Center**, **Left**, or **Covered Binding**. **Covered Binding** prints your images to the right and left on alternating pages so they can be bound into a book. Press the **SELECT** button to return to the Print menu.

- 5 If you want to print the time each photo was taken, go to the Time menu and select **On**. (See page 11-7.)
- 6 Go to the Color menu and select the color format you want to use for your printout. (See page 11-8.)

- 7 To change the print mode, go to the Mode menu and select **Fast** or **Fine**. (See page 11-8.)
- 8 When you're ready to print your card, follow the steps under "Producing Your Printout" on page 11-9.

Printing Stickers

This layout allows you to print 16 stickers (one image per page) using EPSON Photo Stickers. You may want to make a test print to make sure your pictures are aligned properly. If not, you can measure the misalignment distance (in millimeters) and use the Adjust feature in the Direct Print program. (See step 4, below.) This picture shows the way your printouts appear:

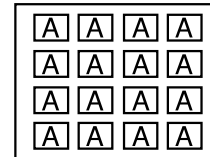


Photo sticker sheet

NOTE

You can order EPSON Photo Stickers (product code S041144) from EPSON Accessories at (800) 873-7766.

This section provides an overview of how to print stickers. See the steps starting on page 11-5 for detailed instructions on using most of the menus. Load your photo sticker sheets in the printer, following the instructions that came with the stickers. Then follow these steps:

- 1 From the Print menu, select **Layout**, and then select **Sticker**. (See page 11-5.)
- 2 Go to the Photo menu and select the photo you want to print. (See page 11-5.)
- 3 Go to the Color menu and select the color format you want to use for your printout. (See page 11-8.)
- 4 If you have made a previous printout of stickers and they are not lined up correctly, you can adjust the position of the printouts. Press the **◀/▼** button to highlight the **Adjust** option and press the **SELECT** button.

The Adjust Right & Left menu appears:



Press the **▶/▲** or **◀/▼** button to set the adjustment and press **SELECT**. The Adjust Top & Bottom menu appears:



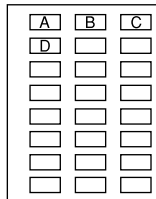
Press the **▶/▲** or **◀/▼** button to set the adjustment and press **SELECT**.

- 5 To change the print mode, go to the Mode menu and select **Fast** or **Fine**. (See page 11-8.)
- 6 When you're ready to print your stickers, follow the steps under "Producing Your Printout" on page 11-9.

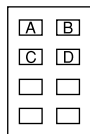
Printing a Contact Sheet

The index layout allows you to print a contact sheet of all or some of the images in your camera.

These pictures show the way your printouts appear:



Letter/A4

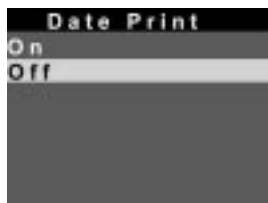


A6

This section provides an overview of how to print a contact sheet. See the steps starting on page 11-5 for detailed instructions on using most of the menus. Load your paper in the printer, then follow these steps to print contact sheets:

- 1 From the Print menu, select **Layout**, and then select **Index** (see page 11-5).
- 2 Go to the Photo menu and select **All** to print all your photos, or select which photos you want to print. (See page 11-5.)
- 3 Go to the Paper menu and select the correct paper size and type. (See page 11-6.) For the paper size, you can select **Letter**, **A4**, or **A6**.

- 4 If you want to print the date, time, and photo number for each photo, press the ◀/▼ button to highlight the Date option and press the SELECT button. The Date Print menu appears:



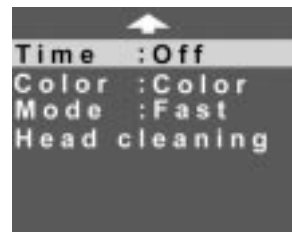
Highlight **On** and press the SELECT button.

- 5 Go to the Color menu and select the color format you want to use for your printout. (See page 11-8.)
- 6 To change the print mode, go to the Mode menu and select **Fast** or **Fine**. (See page 11-8.)
- 7 When you're ready to print your contact sheet, follow the steps under "Producing Your Printout" on page 11-9.

Cleaning the Print Head

If you notice that your photos are printing too light, or if dots are missing from an image, you can run a printer cleaning cycle from the camera. This standard maintenance procedure unclogs the nozzles in the print head. Follow these steps:

- 1 From the Print menu, press the ◀/▼ button until **Head cleaning** is highlighted.



- 2 Press the SELECT button to start the cleaning cycle. The LCD screen goes blank and the display panel shows a star flashing across it while the cycle runs.


Cleaning takes about two minutes, during which the printer makes some noise and the power light flashes. When it's finished, the LCD screen displays the menu again.

- 3 Press the **BACK** button to exit the Direct Print program.

Removing Direct Print

Direct Print comes pre-installed on your camera. If you don't plan on using Direct Print, you can remove it to create more space for storing images. You can always upload the program later, using your PhotoPC 700 software.

Follow these steps to remove the program:

- 1 Slide the LCD screen switch on your camera to **Playback**.
- 2 Press the **SELECT** button.
- 3 Press the **▶/▲** or **◀/▼** button until you see the **Software Menu** .

- 4 Press the **SELECT** button.
- 5 Highlight **Add/Delete** and then press **SELECT**.
- 6 Press the **▶/▲** button to highlight **Delete** and press **SELECT**.
- 7 Highlight **Direct Print** and press **SELECT**. The program is deleted.
- 8 Press the **BACK** button several times to return to playback mode.

Uploading Direct Print

If you delete Direct Print, you can use the Program Uploader in the PhotoPC 700 folder to copy the program back into your camera.

NOTE

When you install programs such as Direct Print in the camera, you reduce the amount of memory available to store pictures. You may want to use a CompactFlash storage card to add more picture capacity. See Chapter 10 for more information.

If you have an AC adapter, connect that first, then connect the camera to your PC or Macintosh. (If you need instructions, see page A-2 for connecting the adapter and Chapter 4 for connecting the camera to your computer.)

Then turn on your computer and the camera and follow these steps:

- 1 Make sure the camera is connected to your AC adapter and to your computer, and the camera and computer are turned on.
- 2 In Windows 95, click **Start**, point to **Programs**, then **PhotoPC 700**, and click **EPSON Program Uploader**.

In Windows 3.1, double-click the **PhotoPC 700** icon to open the group, and then double-click the **Photo Program Uploader** icon.

On a Macintosh, first make sure AppleTalk is inactive. Then double-click the **PhotoPC 700** folder, **EPSON Photo!2** folder, and the **EPSON Program Uploader** icon.

You see the EPSON Program Uploader window:



The **Direct Print** program appears in the **Applications in Folder** list on the left.

- 3 Click **Direct Print** and click the **Upload** button. The Uploader copies the program to your camera. When the program has been installed, you see **Direct Print** in the **Applications in Camera** list on the right.
- 4 Click **Close** to exit the program.
- 5 Turn off your camera and disconnect it from the computer.

Now you can connect your camera to the printer and start using **Direct Print**. See page 11-2 for more information.

Reading Error Messages

If you see a message on the LCD screen or display panel while printing, check the following tables to resolve the problem.

Message	Explanation
Battery is low. Use AC adapter.	The camera's battery power is almost out. Recharge or replace your batteries, or connect the AC adapter to the camera.
Check Printer Model.	The camera is not connected to a compatible printer. Connect the camera to one of the printers listed on page 11-1 and then press the SELECT button to begin printing. (If you want to cancel printing, press the BACK button for 3 seconds.)
Check Printer Connection or Printer Error.	Printing stopped because of a printer error. Clear the error (you may need to turn the camera and printer off and then on again), then start printing again from the beginning. (See your printer's <i>User's Guide</i> for troubleshooting information.)
Printing Canceled	This message appears when you hold down the BACK button for more than 3 seconds while printing. The printer stops printing and ejects the paper. The Print menu reappears.
No photos in memory	This message appears when there are no photos in the camera's memory. Press SELECT to return to the Print menu.
Print setting is returned to default.	This message appears when an error occurs while the Direct Print program is working. The settings you have made are replaced by the default settings. Press the SELECT button to go back to the Print menu and enter your print settings again.

Message	Explanation
E51: Another interface is active	The printer is receiving a print job through another interface. When the print job ends, the printer begins printing from the Direct Print program automatically.
E54: Paper jam	Printing stopped because paper is jammed in the printer. Turn off the printer, remove the jammed paper, and then press the printer's Load/Eject button.
E55: No ink	Printing stopped because the printer ran out of ink. Replace the ink cartridges as needed and start printing again from the beginning. (See your printer <i>User's Guide</i> for instructions.)
E56: No paper	Load paper in the printer and then press the printer's Load/Eject button to begin printing. (Or press the camera's BACK button for 5 seconds to cancel printing.)

12 *Maintenance and Troubleshooting*

Your PhotoPC 700 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 700 requires only basic care. Before you perform any maintenance procedures, be sure to read the safety instructions in the Introduction. Then follow these 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

- ▶ Keep the lens covered (power turned off) and store the camera in a carrying case or bag when you're not using it.
- ▶ 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 bright sources of 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.

- ▶ Make sure the lens cover is open all the way.
- ▶ The camera may have shut off automatically. Close and open the lens cover to turn the power back on.
- ▶ Check the batteries and make sure they are installed correctly. Recharge or replace the batteries.
- ▶ If you are using the AC adapter, make sure it is 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.
- ▶ The camera may be full. Check the picture counter on the display panel. Erase some pictures (see Chapter 3), or transfer the pictures to your computer and then erase them (see Chapter 4). Or, install a CompactFlash storage card to store more pictures (see Chapter 10).
- ▶ If you're using a CompactFlash storage card, you may need to format or eject it. Check to see if a message is displayed on the camera's LCD screen.
- ▶ 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 8 for instructions on taking pictures from your computer.

The flash doesn't work.

- ▶ Make sure the flash is not set to the flash off setting.
- ▶ Check the batteries and make sure they are installed correctly. Recharge or replace the batteries if necessary.

- ▶ You can't use the flash when you adjust the shutter speed manually with the camera connected to the computer. Set the shutter speed to automatic to use the flash.

Your LCD screen flickers.

- ▶ Check the lights around you. The screen may appear to flicker under fluorescent light. This does not affect your picture quality.

Nothing appears on the LCD screen.

- ▶ If you're using View mode, make sure the power is on.
- ▶ Check your batteries and make sure they are installed correctly. Recharge or replace the batteries if necessary.

The image on the screen is too dark.

- ▶ Adjust the brightness of the screen using the Settings menu. See page 8-11 for instructions.

A white or light-colored band appears on the screen image.

- ▶ This happens when you're facing a brightly lit subject, and it won't affect your picture quality.

Nothing appears on the television when you connect your camera to it.

- ▶ Make sure the video cable is connected correctly, as described in Chapter 2, and the camera and TV are turned on.
- ▶ Make sure your LCD screen is set to **Playback**.
- ▶ 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 are 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. So 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 4.
- ▶ 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!2 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 Chapter 8 for more information.
- ▶ If you're using a Macintosh and the camera is sharing a serial port with another device, turn AppleTalk off.
- ▶ Make sure you don't have both Image Expert and EPSON Photo!2 open at the same time.

You get a “Camera Connection Failed” error message when you're using your PhotoPC 700 software with the camera connected to your computer.

- ▶ Make sure the cable is connected correctly as described in Chapter 4. Also make sure your camera is turned on and set to “View,” the shutter is open, and the batteries have power.

- ▶ Check the serial port settings in your Image Expert or EPSON Photo!2 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.
- ▶ 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 you're using Windows 3.1, this method of getting pictures into your documents may not be reliable. Try importing or using copy and paste.

- ▶ If your system has less than 16MB 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 16MB 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 the TWAIN interface or EPSON Photo!2 and you use the PhotoEnhance feature, the transfer will take longer. Try transferring without PhotoEnhance.

You get an error message when you use the Image Expert Save to Floppy feature.

- ▶ Make sure the diskette you're using is not write-protected.

You get a TWAIN error message when you try to transfer images with Adobe® Photoshop.®

- ▶ If you're using Windows 3.1, make sure you select TWAIN (not TWAIN_32) as your source.
- ▶ If you're using Windows NT 4.0, you may need to upgrade your software to Photoshop 4.0. Earlier versions of Photoshop do not support Windows NT 4.0.
- ▶ If you're using Windows 95, 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 700. If you're using a Simple Technology card, call the Technical Support Department at (800) 4-SIMPLE.

Your notebook computer's PCMCIA drive can't access a CompactFlash storage card with a PCMCIA adapter.

- ▶ If you're using an IBM Thinkpad,™ call IBM for technical support or follow these steps to download and install an updated driver from IBM:
 - 1 Download the files from [ftp://ftp.pc.ibm.com/pub/pccbbs/mobiles/yptf\\$049.exe](ftp://ftp.pc.ibm.com/pub/pccbbs/mobiles/yptf$049.exe) and unzip the files to a blank 1.44MB diskette.
 - 2 Make sure your PC Card driver says "PCIC or compatible PCMCIA controller on IBM System" in the Control Panel/System/Device Manager. Then select Update Driver/Have Disk and refer the system to A: for all missing files. (If your PC Card driver says "PCIC or compatible PCMCIA controller," go to Control Panel/System/Device Manager/Update Driver, and select "PCIC or compatible PCMCIA controller on IBM System.")

- 3 Insert the CompactFlash card with a PCMCIA adapter. The system should prompt for a driver. Select **OK** to use the Windows default “ESDI/IDE HDD Controller” driver. A folder appears on the desktop with a drive letter that has been assigned to the card.

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 Uploader to convert and upload your images.

Solving Picture Problems

If you're not satisfied with some of the pictures you get from the PhotoPC 700, 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 700 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 color 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.

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 7-3.

Your picture is blurry or out of focus.

- ▶ Make sure your subject is within the camera's range. You should be at least 2 feet away to take a picture without the flash, and 8 inches to 8 feet away to take a picture with the flash. You can take a picture as close as 4 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 you hold the camera steady after you press the shutter button (until the red light starts to flash), and your subject isn't moving.

- ▶ If you want to photograph a moving subject, you can change the shutter speed while the camera is connected to your computer. Try increasing the shutter speed. For more information, see Chapter 8.
- ▶ 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 inches to 8 feet.
- ▶ Use Image Expert to adjust the picture's brightness and contrast as described on page 7-3.
- ▶ Try using the camera's manual exposure control or sensitivity control.

- ▶ 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.

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.
- ▶ 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 7-3.
- ▶ Try using the camera's manual exposure control.

Part of your picture is missing.

- ▶ Make sure you're not blocking the lens with your finger, hand 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 Settings menu or set the camera's clock from your computer. See Chapters 1 and 8 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 12-1.

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, use the LCD screen.



Optional Accessories

You can use the PhotoPC 700 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 a second set of NiMH batteries or a replacement NiMH Power Pak.

To increase your camera's picture storage capacity and add flexibility, you can use CompactFlash storage cards and PCMCIA adapters. EPSON recommends cards from the following manufacturers:

- ▶ Lexar Media, (800) 789-9418
- ▶ SanDisk, (408) 542-0595
- ▶ Simple Technology (800) 4-SIMPLE

For information on using storage cards, see Chapter 10.

Additionally, you can attach Tiffen lenses (or any standard 37 mm video camcorder lenses and filters) to your camera to expand its picture-taking capabilities. A Tiffen 37 mm lens adapter is included with your camera, and you'll find information about Tiffen lenses in the DC PRO brochure (included with the camera). You can reach DC PRO at: (800) 522-7835 or (516) 434-8800; fax: (516) 434-9238; e-mail: dcproacc@aol.com.

This chapter includes the following instructions:

- ▶ Using the AC adapter
- ▶ Using a tripod
- ▶ Using optional lenses

The AC adapter should be available where you bought your PhotoPC 700. You can also order it from EPSON Accessories at **(800) 873-7766** (U.S.) or **(800) 807-7766** (Canada).

Accessory	Product code
PhotoPC 700 AC Adapter	B867038
NiMH Battery Pak (4 batteries)	B818061
NiMH Power Pak (charger and 4 batteries)	B818051

Using the Optional AC Adapter

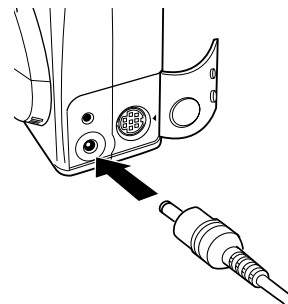
The AC adapter (B867038) allows you to connect your PhotoPC 700 to any standard electrical outlet. This is especially useful when you are transferring pictures and operating the camera from your computer, or using Direct Print. The adapter powers the camera but does not charge the batteries.

WARNING

- ▶ Use only the adapter designed for the PhotoPC 700. 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 700.
-

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 Open the connector cover on the side of the camera.
- 2 Plug the adapter cable into the DC port on the camera.



- 3 Plug the AC adapter into an electrical outlet.

Using an Optional Tripod

You can use your PhotoPC 700 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.

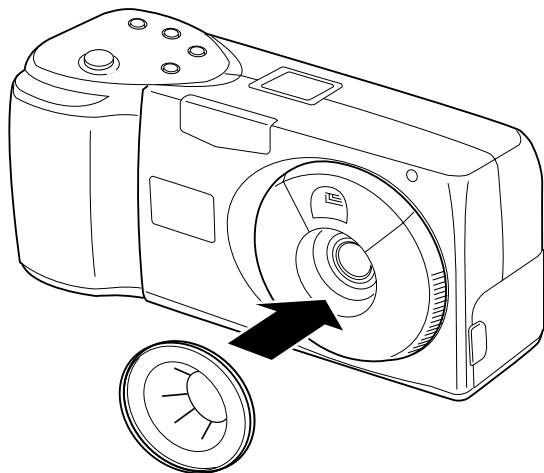
Using Optional Lenses

The Tiffen lens adapter that comes with your camera lets you attach wide-angle, telephoto, and other types of 37 mm video camcorder lenses and filters.

The following table shows the minimum distance from the subject, the diagonal angle of view, and the millimeter equivalents for wide-angle, close-up, and telephoto lenses from Tiffen:

Lens type	Nearest subject	Diagonal angle of view	Equivalent lens
Standard	20 in.	45°	36 mm
Telephoto	7.5 ft	30°	76 mm
Wide angle (0.65X)	1.5 ft	65°	22.5 mm
+7 diopter close-up	2.5 in.		
+10 diopter close-up	1.5 in.		

To attach the lens adapter, simply snap it onto the front of your camera.



With the adapter in place, you'll need to use the LCD screen to take pictures, rather than the viewfinder. Rotate the lens cover ring counterclockwise to turn on the camera before you attach a lens. Then set the LCD screen switch to View.

NOTE

Although you can leave the adapter on your camera, you should not leave lenses attached for extended periods of time. To prevent accidental damage, make sure you always remove lenses when you're finished using them.

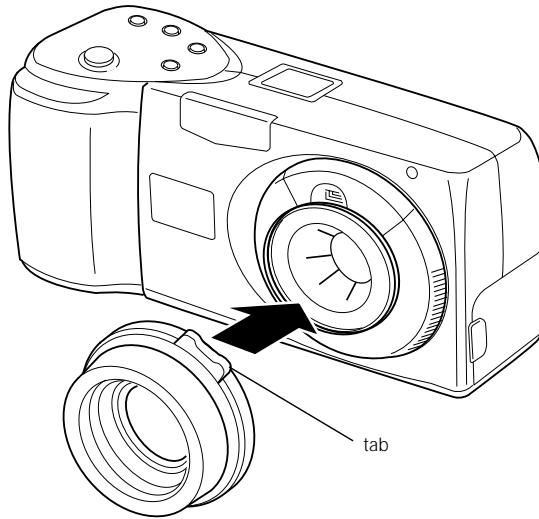
Using Wide-angle Lenses

Wide-angle lenses let you capture a larger area in your pictures even when you can't move further away from the subject. Group shots, room interiors, houses or buildings with surrounding landscape, and accident scenes are some common applications for wide-angle lenses.

Before you start, make sure the adapter is attached to your camera, the camera is turned on, and the LCD screen is set to View.

Then follow these steps to use a Tiffen wide-angle lens:

- 1 Squeeze the two tabs on the sides of the lens.



- 2 Insert the lens into the adapter on the front of the camera and release the tabs.
- 3 Turn the lens clockwise, a quarter of the way around.

- 4 When you're finished using the lens, squeeze the two tabs and remove it from the adapter.

Note that images captured with a wide-angle lens may be slightly distorted in the foreground, and vignetted at the corners, as shown in the example below. You can crop the dark corners out of your pictures using Image Expert if you want.



A

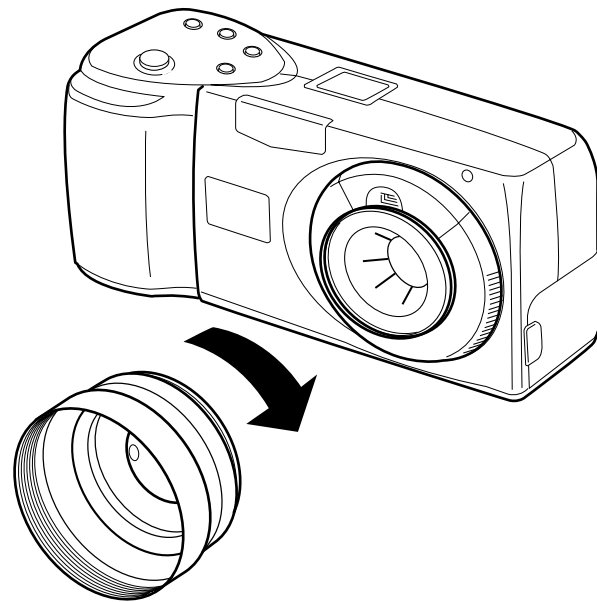
NOTE

If necessary, you can use a neutral density filter, contrast enhancement filter, or close-up lens with a wide-angle lens. First screw the filter or close-up lens onto the adapter, then attach the wide-angle lens. However, the lens may not fully grip the filter, and you need to handle the camera and lenses carefully to prevent the lens from coming off accidentally.

Using the Telephoto Lens

The Tiffen telephoto lens lets you capture details in the distance, even when you can't get closer to your subject. The subject in your picture appears approximately 25% larger than without the lens. Common uses for telephoto lenses include portraits, architectural details, and surveillance.

To use the telephoto lens, first make sure the adapter is attached to your camera, the camera is turned on, and the LCD screen is set to View. Then screw the lens onto the front of the adapter.



Note that images captured with the telephoto lens are vignetted at the corners, as shown in the example below. Using Image Expert, you can crop the dark corners out of your pictures if you want.



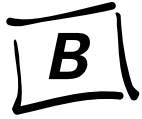
NOTE

As with the wide-angle lens, you can use a neutral density filter, contrast enhancement filter, or close-up lens with a telephoto lens. First screw the filter or close-up lens onto the adapter, then attach the telephoto lens. However, the lens may not fully grip the filter, and you need to handle the camera and lenses carefully to prevent the lens from coming off accidentally.

Using Close-up Lenses

Although the macro mode on your camera lets you take pictures from as close as 4 inches, you can use optional lenses to get even closer. For example, a +10 diopter Tiffen lens lets you shoot from 1.5 inches, as shown in the table on page A-3.

To use a close-up lens, first make sure the adapter is attached to your camera, the camera is turned on, and the LCD screen is set to View. Then screw the lens onto the front of the adapter.



Specifications

Camera

Physical Dimensions

Width	5.7 inches (14.4 cm)
Height	2.75 inches (7 cm)
Depth	1.9 inches (4.9 cm)
Weight	10 oz (280 g), without batteries

Safety Specifications

FCC approval code BKMFBG690A

Power

Sources

Includes 4 AA rechargeable NiMH batteries and pocket-size charger. Also accepts 4 AA batteries (single-use alkaline or lithium or rechargeable NiCad)

Optional AC adapter (B867038)

Battery Life

At least 330 pictures can be taken before the standard NiMH batteries need recharging (without the LCD screen or flash)

Technical

Product type	1.25 megapixel CCD (charged coupled device) still frame auto focus camera
Image size	1280 × 960 pixels (fine and super fine) 640 × 480 pixels (standard) 1280 × 480 pixels (panoramic)
File format	JPEG
DPI	144 standard, continuous, and digital zoom 240 all other settings
Bit depth	16 million colors, 24-bit
Lens	5-element aspherical glass lens
CCD	1/2.7 inch color area CCD (1,250,000 pixels)
Serial interface	8-pin mini-DIN (to camera), RS-232C-compatible (to computer)
Serial communication speed	Up to 230.4Kbps with high-speed serial port

Video out	NTSC standard
Internal memory	4MB flash memory
Optional expansion memory	CompactFlash storage cards from 4MB to 32MB (available from Lexar Media, SanDisk, and Simple Technology)

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 90% (non-condensing) Non-operating: 10 to 90% (non-condensing)

Photographic

Lens	f = 5.5 mm F2.8 (equivalent to a 36 mm lens on a 35 mm camera)
Range	20 inches (50 cm) to infinity 4 inches to 20 inches (10 cm to 50 cm) (macro mode)
LCD screen	2-inch active matrix TFT color LCD (110,000 pixels)
Sensitivity	Equivalent to ISO 60/120
Exposure control	Program auto exposure Manual adjustment (-2 to +2)
White balance	TTL automatic white balance Fixed white balance (5000 degrees Kelvin)

Shutter	Electric iris with mechanical shutter, 1/4 second to 1/500 second (flash off mode)
	1/30 second to 1/500 second (auto flash and forced flash modes)
Viewfinder	Real-image optical, with centering crosshair and edge border (view range over 80%)
Focus	Automatic focus from 20 inches to infinity (4 inches to 20 inches macro mode)
Aperture	F2.8, F5.6, F11 automatic change
Flash	Automatic luminance control flash
Flash modes	Forced flash, automatic, flash off
Flash range	8 inches to 8 ft (0.2 to 2.4 m)

NiMH Battery Charger

Physical Dimensions

Width	3.0 inches (76 mm)
Height	4.25 inches (108 mm)
Depth	0.87 inches (22 mm)
Weight	Approximately .24 lb (110 g)

Technical

Input	120V AC, 60 Hz
Output	DC 1.2V/650mA × 4
Charging time	Approximately 160 minutes
Power consumption	Approximately 8W
Charging temperature	32 to 95°F (0 to 35°C)

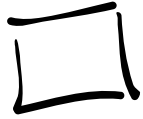
Optional AC Adapter

Physical Dimensions

Width	1.97 inches (50 mm)
Height	1.18 inches (30 mm) 1.85 inches (47 mm) including pins
Depth	3.74 inches (95 mm)

Technical

Output	DC 7V/2.0A
Input	110 to 120 V AC, 50 to 60 Hz



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