

# *C30 Digital Camera*

## *Basics*



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# Introduction

## Product Overview

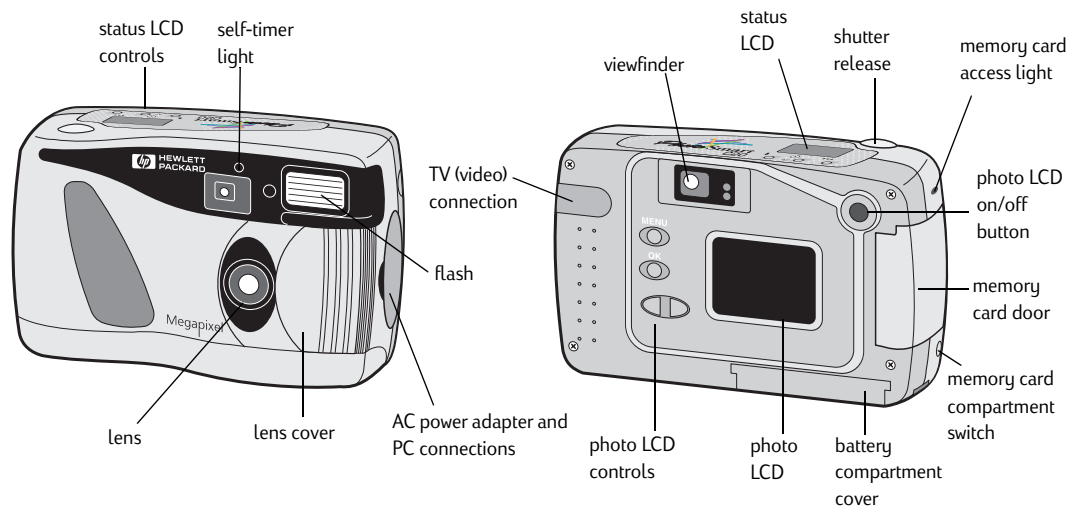
The HP PhotoSmart digital camera allows you to take high-quality photos that can be viewed immediately on your PC or television. It comes with HP PhotoSmart photo finishing software for manipulating, storing and printing your photos.

## Features

- Economical “digital film” (removable CompactFlash memory card)
- Automatic focus
- Point and shoot user interface
- LCD panel for previewing and reviewing photos
- Direct connect to a television for viewing photos
- Automatic exposure
- Integrated flash with red-eye reduction
- Self-timer
- Digital zoom

## Camera Description

The following illustrations show the front, back, and sides of the HP PhotoSmart digital camera.



## Quick Setup

Setting up the HP PhotoSmart digital camera is quick and easy—follow these steps and you'll be ready to take photographs right away.

### Step 1: Unpack the camera

- Remove all items from the box.
- Detach the packaging.
- Save the packaging, in case you ever want to transport or store your camera.

# Quick Setup

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- Check to be sure you have the following:
  - HP PhotoSmart digital camera
  - PC connection cable
  - Neck/shoulder strap
  - Video cable - for connecting to a TV (U.S., Japanese, and European options only)
  - Software on CD-ROM - including HP PhotoSmart photo finishing software
  - 4 MB CompactFlash memory card (inside camera)
  - AC power adapter and plug
  - 4 AA alkaline batteries
  - Video adapter (select options only)
  - Documentation - HP PhotoSmart C30 digital camera basics (this book), guide to taking your first picture, and HP PhotoSmart photo finishing software user's guide

## Step 2: Install the batteries

Insert the batteries, making sure that the +/- electrodes match the indicators on the inside of the camera's battery compartment. For details, see "Replacing the Batteries" on page 45.

**Note:** Use four AA alkaline batteries (supplied). For replacement, always use **alkaline** batteries.

## Step 3: Set the camera date and time

1. Make sure the lens cover is closed (the camera is off).
2. Press the photo LCD **on/off** button to turn the photo LCD on. The **Set Date & Time** menu option appears on the photo LCD.
3. Use the arrow buttons to select the day (date) of the month, then press **OK**. Select the month, year, hour, minutes, and AM or PM.
4. Use the arrow buttons to select **Yes** to confirm the date and time, then press **OK**.

# Quick Setup

## Step 4: Take some photos

1. Open the lens cover to turn the camera on.
  - The status LCD on the top of the camera indicates the CompactFlash memory card and battery status. Be sure to move your fingers away from the camera lens after opening the cover.
2. Adjust the settings.
  - Use the buttons on the top of the camera if you want to adjust the flash setting (turn it on/off, or use red-eye reduction), change the photo quality, use auto-focus, or use the self-timer. See “Choosing the Camera Settings” on page 13 for details.
3. Take your photo.
  - Press the **Shutter Release** button 1/2 way. When you see the green light in the viewfinder, press the button all the way down. The camera will beep to let you know the photo has been taken.

## Step 5: Install the software

1. If you are using Windows NT 4.0, log in as **Administrator**.
2. Put the HP PhotoSmart CD into your computer's CD-ROM drive. After about a minute, the HP PhotoSmart installation screen displays.  
**Note:** If the HP PhotoSmart installation screen does not display: From the Windows **Start** menu, choose **Run**. Enter your CD-ROM drive letter with the file name **setup.exe** (for example, D:\setup.exe) and then click **OK**.
3. Click **Install Software**.
4. Follow the directions on the screen to complete the installation.

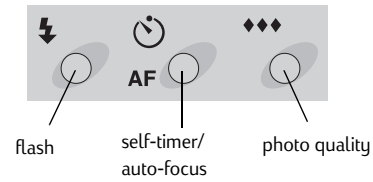
## Tips for Taking the Best Photos

- The HP PhotoSmart digital camera is fixed focus as a default. This is especially useful for taking photos of active subjects, such as children or pets, or subjects that are not in the center of the frame. Press the **Shutter Release** button part way until you see the green light in the viewfinder—this sets the focus. Then, use the photo LCD to preview the photo. When the subject comes into view, press the **Shutter Release** button all the way down to take the photo.
- When you take a photo, the camera records the photo onto the CompactFlash memory card. As the photo is recorded, an hourglass appears in the status LCD on the top of the camera. When the photo has been stored, the number of photos remaining decreases by one. If the number of photos remaining is “0,” you need to either download the photos to your computer (and then delete them from the memory card), or insert a new flash memory card.
- If you’re using auto-focus, the camera takes about a second to focus when you press the **Shutter Release** button. Be sure to press the **Shutter Release** button until you hear the beep indicating the photo has been taken. You may want to practice to get used to the timing, before taking important photos.



## Choosing the Camera Settings

The HP PhotoSmart digital camera has several settings that you can modify for taking the best photos. To adjust these settings, use the status LCD controls—the buttons on the top of the camera.



## Changing the Photo Quality Setting

Decreasing or increasing the photo quality setting changes the quality of the photo; it also determines how many photos can be stored on the CompactFlash memory card. Higher photo quality takes more space on the memory card, lower photo quality requires less space. It's best to use the lowest photo quality possible so that you can store the maximum number of photos. The photo quality you use will depend on how you plan to use the photo (on-screen, in print, enlarged, etc.).

The diamond icons on the status LCD indicate photo quality as follows:



Basic



Fine



Super-fine

**Note:** You can use different photo quality settings for different photos on the same memory card.

**To change the photo quality:**

1. Open the lens cover to turn the camera on.
2. Press the **Photo Quality** button until the quality level you want is displayed on the status LCD.

**Note:** Because photo quality affects the number of photos that can be stored on a memory card, the number of available photos (displayed on the status LCD) changes as you change the photo quality.

For more information about the relationship between photo quality and memory, see the online Help.

## Using the Self-Timer

To photograph yourself or take a posed group shot, connect the camera to a tripod and use the self-timer function.

### To use the self-timer:

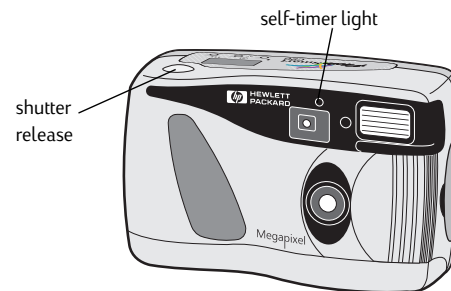
1. Attach the camera to a tripod or place it on a firm surface at an appropriate distance and height from your subject.
2. Open the lens cover to turn the camera on.
3. Frame your subject in the viewfinder.
4. When you're ready to take the photo, press the **Self-Timer** button twice.



**Note:** This button also operates the auto-focus feature. You can continue to press the button to cycle through the available settings for self-timer and auto-focus. When the self-timer is active, a self-timer icon displays in the camera's status LCD.

5. Press and release the **Shutter Release** button.

The self-timer light on the front of the camera starts blinking. After the specified amount of time, the shutter releases and the photo is taken.



**Note:** To set the self-timer delay time, use the camera Properties in the HP PhotoSmart photo finishing software. See “Setting the Camera Properties” on page 39 for more information. The default is 10 seconds.

Once the self-timer is set, you can turn it off by continuing to press the **Self-Timer** button until the icon disappears from the status LCD. The self-timer automatically turns off after the photo is taken.

## Using the Auto-Focus

The HP PhotoSmart digital camera can automatically focus on your subject.

### To use auto-focus:

- When you're ready to take the photo, press the **Auto-Focus** button.






This button also operates the self-timer. You can continue to press the button to cycle through the available settings for self-timer and auto-focus. When auto-focus is active, the AF icon displays in the camera's status LCD.

## Using the Flash

Set the flash to **On** when the lighting for the entire photo is sufficient, but the lighting for the subject is not, as in a backlighting situation. When you set the flash to **Auto**, the camera determines the need for a flash based upon lighting conditions. Set the flash to **Off** when you want to be sure the flash is not used.

The red-eye reduction features minimizes the occurrence of red-eye in photos of people or animals. To accomplish this, the flash goes off twice—once to condition the subject's eyes for the flash, and then a second time to take the photo.

The flash settings are indicated by icons on the status LCD:

	Auto
	Auto with red-eye reduction
	On
	On with red-eye reduction
	Off

**To use the flash:**

1. Open the lens cover to turn the camera on.
2. Press the **Flash** button until the flash setting you want displays on the status LCD.
3. Take your photo.

## Setting the Camera Exposure

The HP PhotoSmart digital camera includes automatic exposure to help adjust for backlighting. You can change the exposure, overriding the automatic setting, to adjust the amount of light in your photo.

**To change the exposure:**

1. Open the lens cover to turn the camera on.
2. Press the photo LCD **on/off** button to turn the photo LCD on.
3. Use the **arrow** buttons to select **Set Camera Exposure** on the menu.



4. Press the **OK** button.
5. Press the **arrow** buttons until the setting reaches the level you want to use.

The exposure level adjusts as you press the arrow buttons. As the exposure increases, the photograph gets lighter. The yellow circle in the camera's photo LCD indicates the current level.

6. Press the **OK** button.

## Using the Zoom

The HP PhotoSmart digital camera includes a digital zoom feature so that you can make an image appear to be twice as close as it really is.

### To use the zoom function:

1. Open the lens cover to turn the camera on.
2. Press the photo LCD **on/off** button to turn the photo LCD on.

**Note:** The photo LCD power must be turned on to use the zoom function.

3. Use the **arrow** buttons to select **Zoom** on the menu.
4. Press the **OK** button to zoom in on the image.

When the zoom function is active, a blue frame is displayed around the image in the photo LCD.

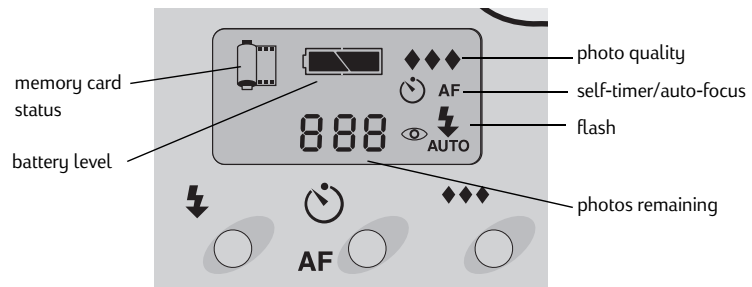
**Note:** The viewfinder only displays the image in normal view. To see the effect of the zoom, use the photo LCD to preview your photo.

**To turn off the zoom:**

1. Press the **Menu** button.
2. Use the **arrow** buttons to select **Normal** on the menu.

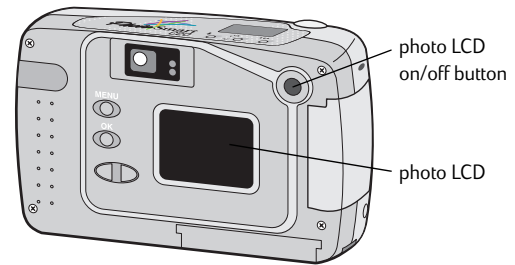
## Checking the Camera Status

Use the status LCD on the top of the camera to check camera settings, battery level and the number of remaining pictures. You will see some of the icons shown below, depending on your current camera settings and status.



## Previewing Photos

Before you take a photo, you can preview it using the photo LCD on the back of the camera.



**To preview a photo:**

1. Open the lens cover to turn the camera on.
2. Press the photo LCD **on/off** button to turn the photo LCD on.

The menu displays, with the **Take Pictures** option selected.

3. Press the **OK** button.

The photo LCD displays the view as it appears in the viewfinder.

**Note:** If you are using zoom, the photo LCD shows the zoomed image but the viewfinder does not.

4. Take the photo.

When you're finished previewing, you can close the lens cover to turn off the camera, or press the photo LCD **on/off** button to turn the photo LCD off.

## Reviewing Photos

After you have taken some photos and they are stored on the CompactFlash memory card, you can view them using the photo LCD.

**Tip:** Connect the AC power adapter to avoid draining the camera batteries while using the photo LCD. See “Using the AC Power Adapter” on page 35.

### To review a photo:

1. Make sure the lens cover is closed (the camera is off).
2. Press the photo LCD **on/off** button to turn the photo LCD on.
3. Use the **arrow** buttons to sequence through your photos.

**Note:** If you press **OK** while reviewing a Fine or Super-fine photo, the photo LCD zooms in on the photo. A blue frame is displayed around the image to indicate it is in zoom mode. Press **OK** again to return the display to normal view.

When you're finished reviewing photos, you can press the **Menu** button to display the camera menu options, or press the photo LCD **on/off** button to turn the photo LCD off.

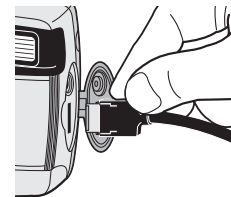
## Downloading Photos to Your PC

Once you have taken some photos with your HP PhotoSmart digital camera, you can download them into your computer to print or use in all types of creative projects (such as greeting cards or calendars).

1. Connect the camera to your computer.
  - Plug the large end of the PC connection cable into the PC serial port.

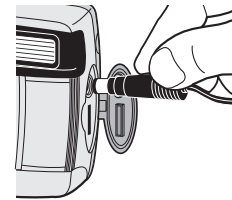
**Note:** The camera connects to a 9-pin serial port. If you don't have a 9-pin serial port available, you can use a 9-25 pin adapter (available at most computer supply stores) to connect to a 25-pin serial port. See your computer user's guide or contact your computer manufacturer if you have problems locating an available serial port.

- Plug the small end of the cable into the camera.



2. Connect the AC power adapter.
  - Plug the large end of the adapter cable into a wall outlet.
  - Plug the small end of the cable into the camera.

See “Using the AC Power Adapter” on page 35 for complete instructions.



3. Open the lens cover to turn the camera on.

The status LCD displays **PC** to indicate the camera is connected to the computer and is operating in PC mode.

4. Start the HP PhotoSmart photo finishing software:
  - From the Windows **Start** menu, select **Programs**.
  - Select **HP PhotoSmart**.
  - Select **Photo Finishing Software**.



5. View your photos.

- In the **Get Images** section, click the digital camera icon.

The photos that are stored on the CompactFlash memory card load into your computer's memory and display in the photo finishing software window.

See the HP PhotoSmart photo finishing software user's guide for more information on using the software to organize, store and print your photos.

**Tip:** If you have a computer (such as a laptop) that has a PCMCIA slot, you can read photos directly from the CompactFlash memory card using a PCMCIA adapter. See the adapter manufacturer's instructions for details. When you use a PCMCIA adapter, the photo finishing software reads the memory card as an additional disk.

## Television Connect

Television connect allows you to review your photos and adjust camera settings using your television. When you connect the camera to your TV, the TV becomes your viewer—it gives you the same capabilities as the photo LCD on the back of your camera. You can even use your television to view a slide show, making it easy to share your photos with family and friends.

**Note:** Television connect is only available on the U.S., Japanese, and European versions of the camera.

## Connecting the Camera to a Television

1. Connect the AC power adapter. See “Using the AC Power Adapter” on page 35 for detailed instructions.

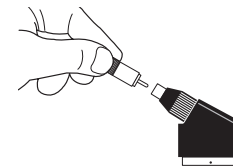
**Note:** This step is optional; however, using the AC power adapter will extend the life of your batteries.

2. Connect the video cable.

- If you are using an NTSC connection (U.S. and Japanese), plug the input (yellow) end of the video cable into your television set's video input connector (on most televisions, this is also yellow).

OR

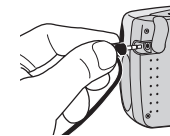
- If you are using a PAL connection (European), plug the input (yellow) end of the video cable into the adapter (supplied with your camera), and then plug the adapter into your television set's video input connector.



**Note:** See your television owners manual for specific instructions on where to locate the video input connector.

3. Plug the other end of the video cable into the camera.

- Open the video cable connector cover on your camera.
- Plug the cable into the connector.



4. On your television, set the video input to be the video input connector where you connected the camera. See your television owners manual for specific instructions on how to set the video input.

## Viewing Photos on a Television

When the HP PhotoSmart digital camera is connected to the TV, the TV functions the same as the camera's photo LCD.

1. Connect the camera to your TV.
2. Turn on your TV.
3. Press the camera's photo LCD **on/off** button to turn the TV menu on.
4. Using your television, select the video input. See your television owners manual for specific instructions on how to select the video input.
5. Use the **Menu** button and the **arrow** buttons on your camera to view photos.

**Note:** Photos taken in vertical format (with the camera turned sideways) will appear sideways when viewed on the television. You will be able to rotate the photos when you download them to your PC.

## Changing Camera Settings Using the Television

TV connect also gives you access to the camera settings. These settings appear as menu options on your television. You can use the photo LCD controls (on the back of the camera) to move between menu items and to select the settings.

Function	Description
Lock	Lock a photo so that it will not be erased
Erase	Erase the selected photo, or all unlocked photos on the memory card
View Small Photos	Display thumbnail views of the photos stored on the memory card
Start Slide Show	Sequence through the photos stored on the memory card

**Note:** For more information on using these features, see the online Help.

## Disconnecting the Camera from the Television

1. Press the camera's photo LCD **on/off** button to turn the photo LCD off.
2. Turn your TV off.
3. Unplug the video cable (and adapter, if you used one) from the TV and the camera.

## Using the AC Power Adapter

The HP PhotoSmart digital camera comes with an AC power adapter. Use this adapter to preserve battery life. For example, when you connect your camera to a computer or a television, use the AC adapter as the power source.

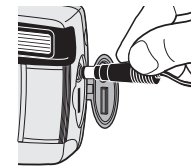
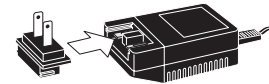
**Note:** The AC adapter provides power to the camera. It does not recharge the batteries.

### To connect the AC power adapter:

1. Attach the plug to the adapter.






If your camera came with multiple plugs, select the one that matches the power outlet for your country.

2. Plug the adapter into a power source (such as a wall outlet or power strip).
3. Connect the round end of the adapter cable to the camera.







## Camera Menu Options

The photo LCD gives you access to the camera menu. You can use the photo LCD controls (on the back of the camera) to move between menu items and to select the settings.

Icon	Function	Description
	Start Slide Show	Sequence through the photos stored on the memory card
	Format Memory Card	Erase all photos from the current memory card, including those that are locked
	Set Date & Time	Change the camera's date and time
	Set for PAL/NTSC TV	Specify PAL or NTSC as the protocol for connectivity to a television
	Set Screen Brightness	Change the amount of light in the photo LCD (this setting only affects the display, not your photos)



	Lock/Unlock	Lock a photo so that it will not be erased; unlock photos that have been locked
	Erase	Erase the selected photo, or all unlocked photos from the memory card
	View Small Photos	Display thumbnail views of the photos stored on the memory card
	Zoom/Normal	Zoom to twice the normal view; turn off the zoom

**Note:** For more information on each of these features, see the online Help.

**To change camera settings using the photo LCD:**

1. Make sure the lens cover is closed (the camera is off).
2. Press the photo LCD **on/off** button to turn the photo LCD on.  
The photo LCD displays the last photo taken.
3. Press the **Menu** button to display the camera menu.
4. Use the **arrow** buttons to sequence through the available settings.
5. When the option you want to use is selected, press the **OK** button.
6. Use the **arrow** buttons and **OK** button to change the setting (see the online Help for details).
7. When you have finished working with the settings, press the photo LCD **on/off** button to turn the photo LCD off.

**Tip:** Connect the AC power adapter to avoid draining the camera batteries while you are working with the photo LCD.

## Setting the Camera Properties

Included in the HP PhotoSmart photo finishing software, are several Properties that allow you to specify how the camera operates. Some of the Properties are settings that you can also change using the photo LCD, but there are many additional settings that are only available through the software.

### To access the HP PhotoSmart digital camera Properties:



- From the Windows **Start** menu, choose **Settings**, then **Control Panel**, and double-click the **HP C20/C30 Digital Camera** icon.

OR



- In the HP PhotoSmart photo finishing software, click the **Properties** icon, and then select **C20/C30 Digital Camera** at the top of the screen.

**Note:** For complete details on each of the Properties, see the online help (click the **Help** button in each Properties screen).

## CompactFlash Memory

The “film” used in the HP PhotoSmart digital camera is a removable, reusable CompactFlash memory card. The 4 MB CompactFlash memory card (supplied with the camera) can store up to 40 photos, depending on the photo quality setting (higher photo quality requires more memory). Once a photo is taken, it is stored on the memory card until you erase it.

### Selecting the Correct Memory Card

Use only CompactFlash Association (CFA) certified flash memory cards with the HP PhotoSmart digital camera. These cards are manufactured by several vendors and are available in a variety of sizes. Other memory cards may work with the camera but their use is not supported by Hewlett-Packard.

For a list of supported CompactFlash memory cards, see the HP PhotoSmart Web site:

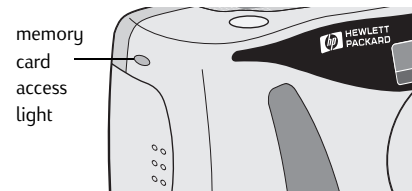
**<http://www.photosmart.com>**



## Installing a New Memory Card

Before you install a new CompactFlash memory card, make sure that it is compatible with the HP PhotoSmart digital camera.

**Caution:** Before you remove a memory card from the camera, make sure the memory card access light is **off**. Removing a memory card while it is in use could cause damage to the card or result in lost photos.

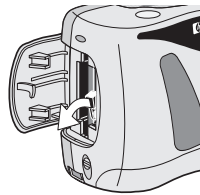


### To install a new memory card:

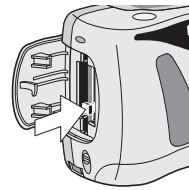
1. Slide the memory card compartment switch to unlatch the memory card door.
2. Open the memory card door.



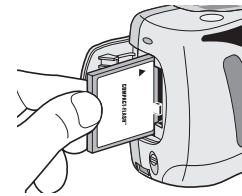
3. If you are removing an existing card:



- Fold out the memory card release switch



- Press the memory card release switch to release the card from the slot (keep your fingers away from the slot to allow the memory card to release)



- Remove the card

4. Insert the new memory card so that the top of the card (the side with pin-holes) is placed into the camera first.
5. Push the memory card all the way into the camera.
6. Fold down the memory card release switch (the memory card door will not close unless you do this).
7. Firmly close the memory card door.

**To make sure the memory card is correctly installed:**

1. Open the camera's lens cover to turn the camera on.
2. If the film icon on the status LCD has an X over it, there is a problem with the memory card. See the online Help for information on how to troubleshoot memory card problems.



## Determining if a Memory Card is Full

A CompactFlash memory card is full when the camera's status LCD indicates that there are zero photos available to be taken.

The photo quality setting (basic, fine, super-fine) determines the number of photos the memory card can hold. You can increase the card's capacity by reducing the photo quality setting. The number of photos per photo quality selection, for the 4 MB CompactFlash memory card, is shown below.

- Basic - 40 photos
- Fine - 20 photos
- Super-fine - 8 photos

**Note:** For a complete discussion of photo quality and how it affects camera memory, see the online Help.



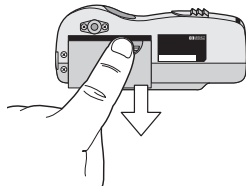
## Batteries

The HP PhotoSmart digital camera operates on 4 AA **alkaline** batteries.

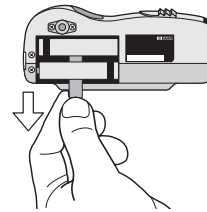
### Replacing the Batteries

#### To insert new batteries:

1. Make sure the camera lens cover is closed (the camera is off).



2. To open the battery compartment, slide the battery compartment cover and remove it from the camera.
3. Remove all of the old batteries. Use the battery release tab to lift each battery out of the compartment.



4. Insert four new batteries, making sure the +/- electrodes are facing the proper direction (see the diagram on the inside of the battery compartment).

**Caution:** Use only alkaline batteries. Replace all four batteries at the same time. Do not replace them individually. Always follow instructions on the battery package when handling batteries.

5. Replace the battery compartment cover by placing it in the grooves and sliding it until it clicks into place.

## Determining if the Batteries Need to be Changed

The battery icon on the camera's status LCD indicates the battery level. There are three levels of battery charge: full, half, and low. If the battery icon shows that the battery is low, it is time to replace the batteries.



Full



Half



Low

## Expected Battery Life

The life of the batteries depends on several factors. These include:

- The number of photos you take
- Whether you use the AC adapter for power when the camera is connected to the computer
- Whether you use a flash
- How often you use the photo LCD
- Temperature conditions (colder temperatures result in shorter battery life when the camera is operating)

When the HP PhotoSmart digital camera is used exclusively in the following modes (without an AC power adapter), the expected battery life is:

- 500 photos without a flash
- 200 photos with a flash
- One hour if the camera is connected to a computer or television

**Tip:** Batteries drain quickly when the camera is attached to the PC or a television. To preserve battery life, always use the AC adapter for power while the camera is connected to the PC or a television.

## Troubleshooting

The HP PhotoSmart digital camera is designed to be easy to use. When there is a problem, you have several resources for finding a solution.

### HP PhotoSmart on the Internet

You can get project ideas, troubleshooting assistance, and updated software from HP's PhotoSmart Web site. For up-to-date information, check here first whenever you have a question about your HP PhotoSmart digital camera or photo finishing software. The address is:

**<http://www.photosmart.com>**

## Viewing Online Help

The HP PhotoSmart digital camera comes with a complete online Help system to assist you if you should have any questions. This online Help contains “how-to” information as well as troubleshooting suggestions.

### To view online Help:

- From the HP PhotoSmart photo finishing software window, click the **Help** icon.

OR

- From the Windows **Start** menu, choose **Programs**, choose **HP PhotoSmart**, and then choose **Photo Finishing Software Help**.

## Contacting HP Customer Care

No matter where you are or when you need it, Hewlett-Packard Company's Customer Care is there to help you get the most from your HP products. Whether it's making products easier to use or providing you with innovative new ways to tackle your important projects, HP support helps you become a confident and creative user. If you do encounter a problem with your HP product, don't worry. HP support delivers fast, accurate solutions that won't rob you of either your product or your valuable time.

When you're ready to get started, check out HP's PhotoSmart Web site for great ideas and quick tips on how to use your HP product in fun new ways:

**<http://www.photosmart.com>**

You can find more information about HP's Customer Care in the HP PhotoSmart photo finishing software user's guide, and a complete list of Customer Care phone numbers in the online Help.

## Safety Information

Using Batteries	The HP PhotoSmart digital camera comes with four AA alkaline batteries. Do not mix old and new batteries or batteries of different types. Follow the battery manufacturer's safety instructions.
Recycling Batteries	Follow the battery manufacturer's disposal instructions, or the guidelines recommended for your area. Do not incinerate or puncture batteries.
Using an AC Power Adapter	Use only the HP recommended AC power adapter. Failure to do so could cause damage or destroy the camera and cause a fire.

## Regulatory Notices

### U.S.A.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### Canada

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus," ICES-003 of the Department of Communications.

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Class B prescrites dans la norme sur le matériel brouilleur: "Appareils Numériques," NMB-003 édictée par le ministre de Communications.



## Hewlett-Packard Limited Warranty Statement

HP Product	Duration of Limited Warranty
photo finishing software	90 Days
digital camera	1 year
flash memory card	1 year
AC power adapter	1 year

### A. Extent of Limited Warranty

1. Hewlett-Packard (HP) warrants to the end-user customer that the HP products specified above will be free from defects in material and workmanship for the duration specified above, which duration begins on the date of purchase by the customer.
2. For software products, HP's limited warranty applies only to a failure to execute programming instructions. HP does not warrant that the operation of any product will be uninterrupted or error free.
3. HP's limited warranty covers only those defects which arise as a result of normal use of the product, and does not cover any other problems, including those which arise as a result of:
  - a. Improper maintenance or modification;

- b. Software, media, parts, or supplies not provided or supported by HP; or
  - c. Operation outside the product's specifications.
4. For HP printer products, the use of a non-HP ink cartridge or a refilled ink cartridge does not affect either the warranty to the customer or any HP support contract with the customer. However, if printer failure or damage is attributable to the use of a non-HP or refilled ink cartridge, HP will charge its standard time and materials charges to service the printer for the particular failure or damage.
  5. If HP receives, during the applicable warranty period, notice of a defect in any product which is covered by HP's warranty, HP shall either repair or replace the defective product, at HP's option.
  6. If HP is unable to repair or replace, as applicable, a defective product which is covered by HP's warranty, HP shall, within a reasonable time after being notified of the defect, refund the purchase price for the product.
  7. HP shall have no obligation to repair, replace, or refund until the customer returns the defective product to HP.
  8. Any replacement product may be either new or like-new, provided that it has functionality at least equal to that of the product being replaced.
  9. HP products may contain remanufactured parts, components, or materials equivalent to new in performance.
  10. HP's limited warranty is valid in any country where the covered HP product is distributed by HP. Contracts for additional warranty services, such as on-site service, are available from any authorized HP service facility in countries where the product is distributed by HP or by an authorized importer.

B. Limitations of Warranty

1. TO THE EXTENT ALLOWED BY LOCAL LAW, NEITHER HP NOR ITS THIRD PARTY SUPPLIERS MAKE ANY OTHER WARRANTY OR CONDITION OF ANY KIND, WHETHER EXPRESS OR IMPLIED, WITH RESPECT TO THE HP PRODUCTS, AND SPECIFICALLY DISCLAIM THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, SATISFACTORY QUALITY, AND FITNESS FOR A PARTICULAR PURPOSE.

C. Limitations of Liability

1. To the extent allowed by local law, the remedies provided in this Warranty Statement are the customer's sole and exclusive remedies.
2. TO THE EXTENT ALLOWED BY LOCAL LAW, EXCEPT FOR THE OBLIGATIONS SPECIFICALLY SET FORTH IN THIS WARRANTY STATEMENT, IN NO EVENT SHALL HP OR ITS THIRD PARTY SUPPLIERS BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER BASED ON CONTRACT, TORT, OR ANY OTHER LEGAL THEORY AND WHETHER ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

D. Local Law

1. This Warranty Statement gives the customer specific legal rights. The customer may also have other rights which vary from state to state in the United States, from province to province in Canada, and from country to country elsewhere in the world.

2. To the extent that this Warranty Statement is inconsistent with local law, this Warranty Statement shall be deemed modified to be consistent with such local law. Under such local law, certain disclaimers and limitations of this Warranty Statement may not apply to the customer. For example, some states in the United States, as well as some governments outside the United States (including provinces in Canada), may:
  - a. Preclude the disclaimers and limitations in this Warranty Statement from limiting the statutory rights of a consumer (e.g. the United Kingdom);
  - b. Otherwise restrict the ability of a manufacturer to enforce such disclaimers or limitations; or
  - c. Grant the customer additional warranty rights, specify the duration of implied warranties which the manufacturer cannot disclaim, or not allow limitations on the duration of implied warranties.
3. FOR CONSUMER TRANSACTIONS IN AUSTRALIA AND NEW ZEALAND, THE TERMS IN THIS WARRANTY STATEMENT, EXCEPT TO THE EXTENT LAWFULLY PERMITTED, DO NOT EXCLUDE, RESTRICT, OR MODIFY, AND ARE IN ADDITION TO, THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE SALE OF THE HP PRODUCTS TO SUCH CUSTOMERS.

## Hewlett-Packard Year 2000 Warranty for Consumer Products Distributed Through Resellers

Subject to all of the terms and limitations of the HP Limited Warranty Statement provided with this HP Product, HP warrants that this HP Product will be able to accurately process date data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000, including leap year calculations, when used in accordance with the Product documentation provided by HP (including any instructions for installing patches or upgrades), provided that all other products (e.g. hardware, software, firmware) used in combination with such HP Product(s) properly exchange date data with it. The duration of the Year 2000 warranty extends through January 31, 2001.



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