

hp
photosmart
120 series
digital
camera



user's manual



i n v e n t

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Materials disposal

This HP product contains the following materials that might require special handling at end-of-life:

- Alkaline manganese dioxide-zinc or lithium-iron disulfide AA batteries.
- Lead in the solder and some component leads.

Disposal of this material can be regulated because of environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (EIA) (www.eiae.org).

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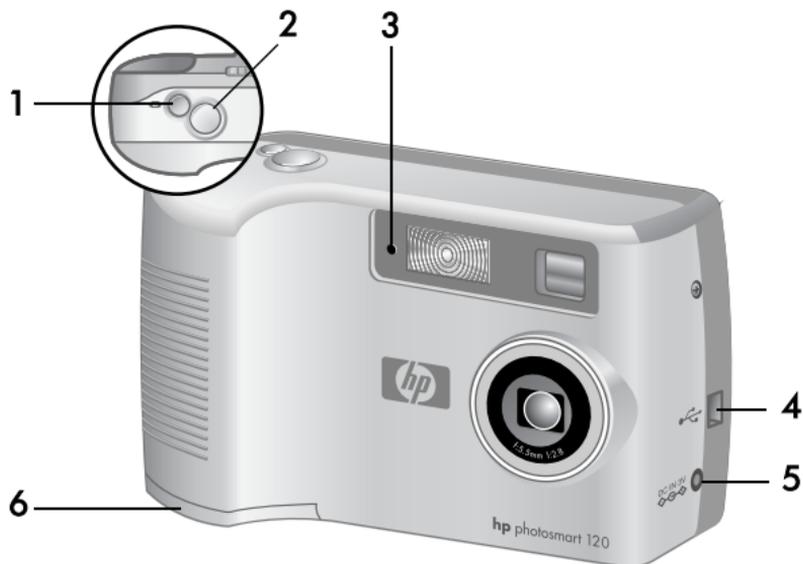
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1 Getting Started

Congratulations on the purchase of your new HP photosmart 120 series digital camera. This easy-to-use digital camera takes high-quality photos, records video clips, and makes it easy for you to share your photos with family and friends.

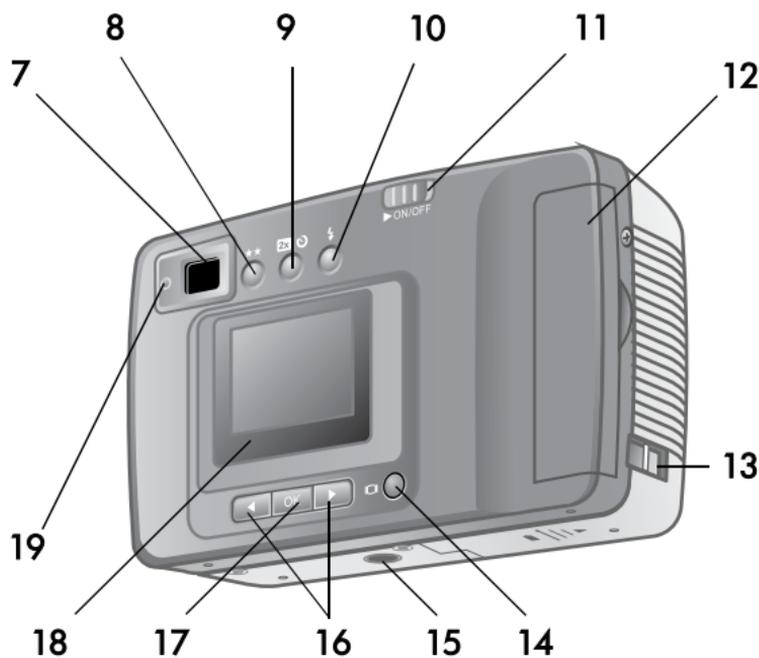
You can select images that you want to print by using the HP Photo Imaging software for Microsoft® Windows® and Macintosh. The images are ready to print as soon as you connect your camera to a computer. You can also print images by inserting the optional CompactFlash (CF) memory card directly into an HP photosmart or CF card-compatible printer.

Camera Parts



#	Name	Description
1	Video button	Records a video clip; press once to start and press again to stop
2	Shutter button	Takes a picture
3	Video/Self-timer light	Solid red—indicates that the camera is recording video Blinking red—indicates that the 10 second self-timer is in use; blinks with increasing frequency until picture or video is taken Off—indicates that the self-timer is not in use and video is not being recorded

#	Name	Description
4	USB connector	Allows you to connect the camera to a computer by using a USB cable
5	Power adapter connector	Allows you to connect an optional HP AC power adapter to the camera to operate the camera without batteries
6	Battery door	Allows access to the batteries



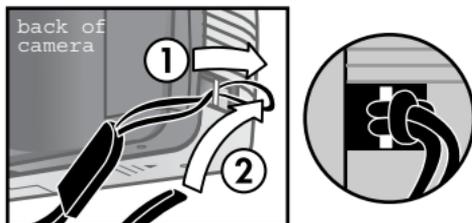
#	Name	Description
7	Optical viewfinder	Allows you to frame the subject of the picture
8	Quality button	Increases image quality from Good to Better to Best
9	2x/Self-timer button	Zoom in on your subject or set the 10 second self-timer
10	Flash button	Selects the Flash setting
11	ON/OFF button	Turns the camera power on and off
12	Memory card door	Allows access to insert or remove the memory card
13	Wrist strap mount	Wrist strap attachment

#	Name	Description
14	Display button	Switch from Preview mode to Playback mode
15	Tripod mount	Allows tripod mounting
16	Arrow buttons	Move to menu options and navigate through images
17	OK button	Switch to Playback mode and select menu options
18	Display	Provides menu information to operate the camera; you can also preview the picture before taking it and review it afterward
19	Viewfinder light	<p>Solid red—indicates that the camera is recording video</p> <p>Blinking red—indicates that the camera is:</p> <ul style="list-style-type: none"> ● initializing ● saving images to memory ● charging the flash ● connected to a computer by a USB cable ● running low on battery power ● running low on memory

Setup

Attaching the wrist strap

Attach the wrist strap as shown in the illustration.

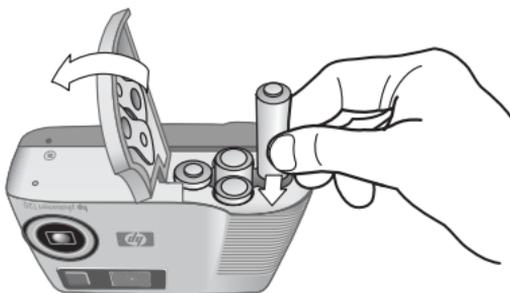


NOTE It is easiest to install the wrist strap by inserting it from the back of the camera.

Installing the batteries

- 1 Open the Battery door on the bottom of the camera.
- 2 Insert the batteries (supplied) as indicated.

NOTE For more information about batteries, refer to Appendix A: Accessories and Battery Management.

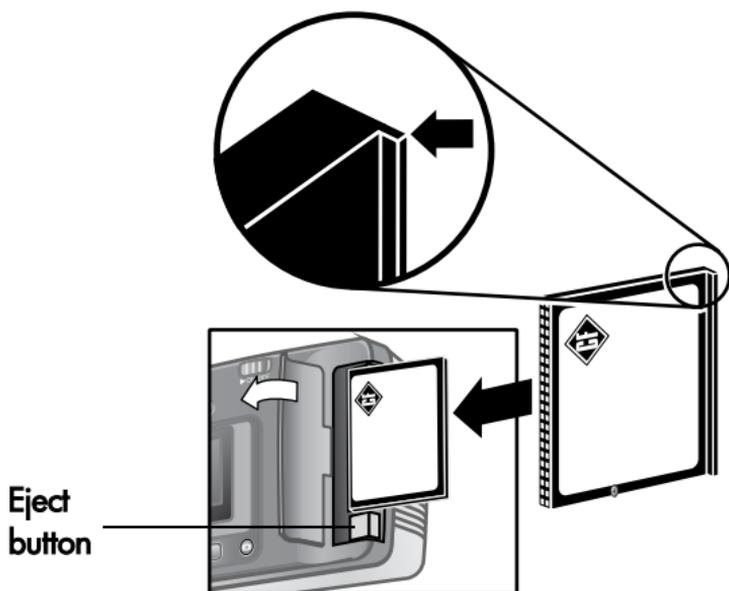


Installing a memory card (optional)

Your digital camera comes with 4 megabytes (MB) of internal memory so that you can store images and video in your camera. However, you can use an optional CF memory card to expand the camera's memory so that you can store more images and video. After you unload images to your computer, you can reuse the card.

NOTE The CF memory card may need to be purchased separately.

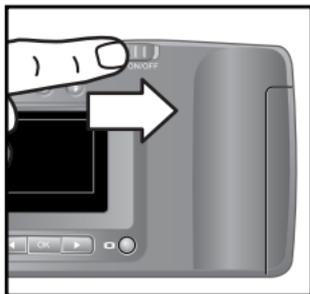
- 1 With the camera off, open the **Memory card door**.
- 2 Insert the memory card as shown in the illustration.
- 3 Close and latch the **Memory card door**.



To remove the card, make sure the camera is off. Press the **Eject** button and remove the card.

Turning on power

Slide the **ON/OFF** ► **ON/OFF** button to turn on the camera. When the camera is ready, the viewfinder light is off.



NOTE If the viewfinder light is blinking, the camera is not ready to take a picture. If the light continues to blink, another problem may exist. For troubleshooting information, refer to Chapter 5.

Choosing the language

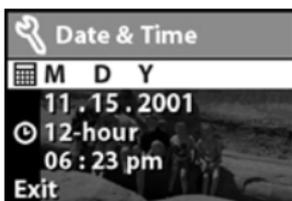
The first time you turn the camera on, the following screen appears and prompts you to choose a language.



- 1 Scroll to the language that you want by using the **Arrow** ◀ ▶ buttons.
- 2 Press **OK** to select the highlighted language.

Setting the date and time

The camera has a real-time clock that records the date and time at which you take each picture.



- 1 The screen appears with the date format setting highlighted (M = Month, D = Day, and Y = Year). Press **OK** until you see the date format that you want, and then press the right **Arrow** **▶** button to highlight the date setting.
- 2 With the date setting highlighted, press **OK**. Use the **◀▶** buttons to change the value of the first field, and then press **OK** to move to the next field. After you press **OK** in the last field, the entire date is highlighted. Press the **▶** button to highlight the time format setting.
- 3 With the time format setting highlighted, press **OK** to toggle between the 12-hour and 24-hour time formats. Highlight the format that you want, and then press the **▶** button to move to the time setting.
- 4 With the time setting highlighted, press **OK**, and then use the **◀▶** buttons to set the time.
- 5 When you are finished, select **Exit**, and then press **OK**.

The clock stops each time you remove batteries from the camera, so you might need to reset the date and time. For more information, refer to Appendix A: Accessories and Battery Management.

Installing the software

Your digital camera software allows you to unload images from the camera, view or print them, or store them on your computer so that you can send them by using e-mail.

Windows

- 1 Insert the HP Photo Imaging CD into the CD-ROM drive of your computer. The installation window automatically appears.

NOTE If the installation window does not appear, click **Start**, and then click **Run**. Type `X:\Setup.exe`, where *X* is the letter of your CD-ROM drive.

- 2 Click **Next**, and then follow the on-screen instructions to install the software.

If your camera shipped with bonus software, complete the following instructions to install it.

To install bonus software:

- 1 Click **Start**, click **Run**, and then in the **Open** box, type `X:\Bonus\setup.exe`, where *X* is the drive letter of your CD-ROM drive.
- 2 Click **OK**, and then follow the on-screen instructions to install the bonus software.

Macintosh

Before you can unload images from the camera to a Macintosh computer, you must change the connection setting on the camera.

- 1 Press the **Display**  button to activate Playback mode.
- 2 Use the **▶** button to scroll to the **Setup** option, and then press **OK**.
- 3 Select **USB Configuration** from the **Setup** menu.
- 4 Select **Disk Drive**, and then press **OK**.
- 5 Insert the HP Photo Imaging CD into the CD-ROM drive of your computer.
- 6 Double-click the CD icon on the desktop.
- 7 Double-click the appropriate language folder, and then double-click the installer icon.
- 8 Follow the on-screen instructions to install the software.

If your camera shipped with bonus software, complete the following instructions to install it.

To install bonus software:

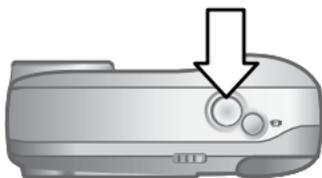
- 1 Double-click the **Bonus** folder icon.
- 2 Double-click the installer icon for the bonus software.
- 3 Follow the on-screen instructions to install the software.

2 Taking Pictures

Taking a picture

You can take a picture almost any time the camera is on, no matter what is showing on the **Display**. To take a picture:

- Frame your subject in the viewfinder, and then press the **Shutter** button. The camera adjusts exposure, and then takes the picture.



If the viewfinder light is blinking, you must wait before taking a picture. This means that the camera is initializing, the flash is charging, or another situation may exist. For troubleshooting information, refer to Chapter 5.

NOTE The camera has two modes of operation, Preview mode and Playback mode. When you turn the camera on, it is in Preview mode, which is the default mode of the camera. Preview mode is discussed later in this chapter, and Playback mode is discussed in Chapter 3, *Reviewing Your Images*.

Using Instant Review

After you take a picture, the **Display** automatically shows the image with the **Quality** ★★ icon visible. You can delete the image by using the left **Arrow** ◀ button.

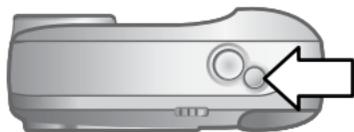
After a video clip is recorded, the **Display** shows the last frame of the clip for several seconds.

NOTE To conserve battery power, the **Display backlight** automatically turns off after 60 seconds if you do not press a button. For more information, refer to Appendix A: Accessories and Battery Management.

Recording video clips

You can record a video clip for up to 30 seconds by using internal memory. To record a video clip:

- 1 Frame the subject that you want to record.
- 2 Press and release the **Video** button to start recording. You will see **REC** on the **Display**.



- 3 To stop recording at any time, press the **Video** button again.

You can increase your video recording time by using a CF memory card. For example, an 8 MB memory card can record approximately 70 seconds of video, and a 16 MB memory card can record approximately 140 seconds. Video files can be very large and use a lot of space on the memory card.

NOTE Your camera supports a memory card up to 128 MB.

When recording a video clip, you can view the time remaining for recording on the **Display**. The camera automatically stops recording when the timer reaches zero. You can use the digital zoom feature to zoom in on your subject, although you cannot change the zoom setting while you are recording. You can also delay recording video clips for 10 seconds by setting the self-timer.

Using the self-timer

You can use the self-timer to take a picture of yourself or a posed group. When you activate the self-timer, the camera takes the picture automatically after 10 seconds have elapsed. To use the self-timer:

- 1 Secure the camera to a tripod or set it on a stable surface.
- 2 Turn the camera on, and then frame your subject in the viewfinder.
- 3 Press the **2x/Self-timer** **2x**  button twice. The self-timer icon  appears on the **Display**.

NOTE Pressing the **2x**  button once activates the digital zoom.

- 4 Press the **Shutter** button, and then release it. The Video/Self-timer light on the front of the camera blinks for 10 seconds before the picture is taken.

Using Preview mode

Preview mode is the default setting for your camera. In addition to taking pictures and recording video, you can zoom in on your subject, adjust the flash setting, or increase the quality of your image—all from within Preview mode.

You can also use the **Display** to preview a picture. The **Display** shows a more accurate view of what your picture will look like. This is useful for close-up photos and for instances in which framing your subject is important. To take a picture by using the **Display**:

- Frame your subject in the **Display** screen, and then press the **Shutter** button.

Using digital zoom

You can use digital zoom to make your subject appear closer. When you are using digital zoom, always use the **Display** to preview the zoom effect on your subject.



To use digital zoom:

- 1 Press the **2x**  button once to turn on digital zoom. The **2x** icon appears on the **Display**.

NOTE Pressing the **2x**  button twice activates the self-timer.

- 2 Use the **Display** to frame your subject, and then take the picture. To cancel digital zoom, press the **2x**  button twice.

Using the flash

When the camera is on, the flash is automatically set to **Auto Flash**. If you change the flash setting, the camera will remain in that setting until you change it again or turn off the camera. By using the **Flash** ⚡ button, you can move through the flash settings in the following order.

Mode	Description
Auto Flash	The camera measures light and flashes if necessary.
Flash On	The camera always flashes. If the light is behind your subject, you can use the flash to increase the light on the front of your subject. This is also called “fill-flash.”
Flash Off	The camera will not flash. Use this setting when you do not want a flash (such as with bright conditions or distant objects).

Changing the image quality

The camera has three image quality settings: **Good**, **Better**, and **Best**. You can view the quality setting on the **Display**.

This setting determines the quality of your images and how many images can be stored in internal memory or on the CF memory card. Higher quality images take up more space in memory. The following table identifies the approximate number of pictures that you can take at each setting based on internal memory or an 8 MB CF memory card.

Mode	Icon	Description and capacity
Good	★	<p>This is the most memory-efficient setting, ideal for taking pictures to send in e-mail or to post to the Internet.</p> <p>Internal memory—up to 54 images</p> <p>8 MB CF memory card—up to 110 images</p>
Better	★★	<p>This setting produces high-quality images and requires less memory than Best mode. This is recommended for printing pictures 6 by 13 cm (3 by 5 inches). This is the default quality setting.</p> <p>Internal memory—up to 19 images</p> <p>8 MB CF memory card—up to 38 images</p>
Best	★★★	<p>This setting produces the highest-quality images and uses the most memory. This is recommended if you plan to enlarge images, or print images that are 10 by 15 cm (4 by 6 inches).</p> <p>Internal memory—up to 12 images</p> <p>8 MB CF memory card—up to 25 images</p>

To change the image quality:

- Press the ★★ button until the setting you want appears on the **Display**. The settings change incrementally from **Good** to **Better**, and then to **Best**.

3 Reviewing Your Images

Playback mode

After you have taken some pictures and they are stored in the camera, you can view them in Playback mode. You can also view your video clips, delete or magnify images, and more. To review your images:

- 1 Press the  button to activate Playback mode.
- 2 You can scroll through your images by using the   buttons.



The following items appear momentarily on the **Display**:

- The current image number followed by the total number of images, located in the upper-left corner.
- The date the image was captured.
- A movie icon appears next to the image number if the image is a video clip.

While you are reviewing images, you can view the following icons on the **Display**:

- The **Print**  icon (if the image has been marked for printing).

- The **CF**  icon (if the CF memory card is installed).
- The **Battery**  icon that indicates the current state of the battery.

NOTE To preserve battery life, you can connect to an optional HP AC adapter while reviewing your images. HP supports only HP AC adapters and other accessories expressly approved by HP. For more information about accessories for your camera, refer to Appendix A: Accessories and Battery Management.

If you do not have images stored in your camera or on the CF memory card, the **No images** screen appears on the **Display**. To return to Preview mode, press the  button.



Playback menu

You can use the Playback menu to print, delete, or magnify images. You can also view thumbnails of your images, or use the **Setup** option to change the settings on your camera. To view the Playback menu, press the **OK** button. Scroll through the menu options by using the ◀▶ buttons.

Icon	Description
	Visible if the current image is not selected for printing; press OK to select the image for printing
OR	
	Visible if the current image is selected for printing; press OK to cancel the print selection
	Deletes the current image or all images, or formats the memory card
	Undelete restores the most recently deleted image or all images
	Displays images as thumbnails (9 per page)
	Magnifies the displayed image
	Allows you to adjust the camera settings
	Exits the Playback menu

Printing your images

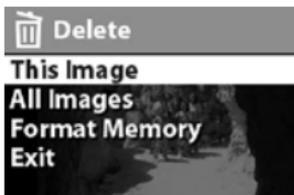
You can select images to be printed later by using the **Print**  option. To select the current image for printing, press **OK**. The image is selected for printing when you connect the camera to your computer. For more information about printing your images, refer to Chapter 4, Connecting and Printing.



NOTE If you are viewing a video clip, the  option is inactive because you cannot print video clips.

Deleting your images

You can delete the current image, or all images, by using the **Delete**  option.



You can scroll to the selection you want by using the ◀ ▶ buttons. Highlight your selection, and then press **OK**. By using the Delete menu, you can select:

- **This Image** - Deletes the current image.
- **All Images** or **All Images on CF Card** - Deletes all images from internal memory or the CF memory card (if installed).
- **Format Memory** or **Format CF Card** - Deletes all images and files from internal memory or the CF memory card (if installed), and formats either internal memory or the CF memory card.
- **Undelete** - Appears if you have deleted any images or video clips. This option restores the most recently deleted images or video. The Undelete option is available until another picture or video is taken, another deletion occurs, or the camera is turned off or connected to your computer.
- **Exit** - Exits the Delete menu.

Viewing thumbnail images

You can view up to 9 thumbnail images at a time on the Display by using the Thumbnail  option.



You can scroll through your thumbnail images by using the ◀▶ buttons. To view an enlarged image, select it, and then press **OK**. To move to the next page of images, use the ◀▶ buttons.



Magnifying your images

You can enlarge your images on the **Display** by using the **Magnify**  option.



Select an image that you want to magnify, and then press **OK**. A progress bar is visible on the **Display** as the image is magnified.

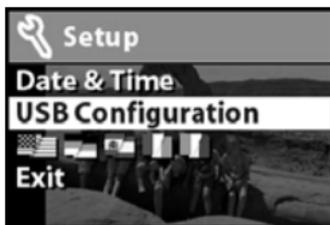


In the **Magnify** menu, you can scroll up or down, right or left, magnify more, or exit by using the menu icons provided on the **Display**.



Using the Setup menu

You can use the **Setup**  menu to configure preferences on the camera. Move through the **Setup** menu by using the ◀ ▶ buttons, and then press **OK** to make your selection.

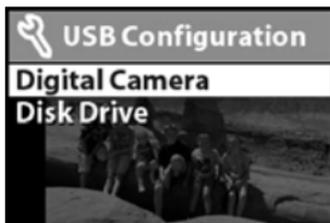


Date & Time

For information about setting the date and time, refer to Chapter 1, Getting Started. When replacing the batteries in the camera, you may need to reset the date and time.

USB Configuration setting

This setting determines how the camera appears when connected to a computer.

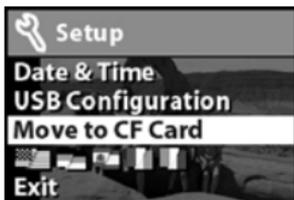


- **Digital Camera** - causes the computer to recognize the camera as a digital camera (Picture Transfer Protocol (PTP) standard). This is the default setting on the camera.
- **Disk Drive** - causes the computer to recognize the camera as a disk drive (Mass Storage Device Class (MSDC) standard).

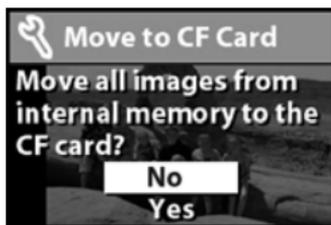
NOTE If you are connecting to a computer running Windows, you can use either setting. If you are connecting to a Macintosh computer, you must change this setting to **Disk Drive**. For more information, refer to Chapter 1, Getting Started.

Move to CF Card

This menu option allows you to move images from the camera's internal memory to a CF memory card. This option appears only if you have a CF memory card installed, and internal memory contains at least one image.

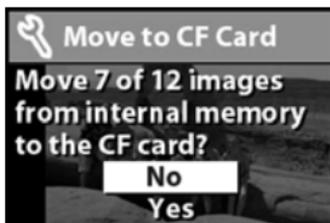


If you select this option and then select **Yes** to move images, a progress bar is visible on the **Display** showing the progress of the move. The images previously stored in internal memory are deleted after they are moved to the CF memory card.



NOTE If you have images stored in internal memory and you insert a CF memory card, you must move the images to the CF memory card to view them.

If your CF memory card is running out of space, you can move only the maximum number of images possible from the camera's internal memory.



Language menu

This menu option determines the language of the menus and the text on the **Display**. For information about how to select a language for your camera, refer to Chapter 1, Getting Started.

Exit

This menu option exits the Playback menu and returns to Playback mode.

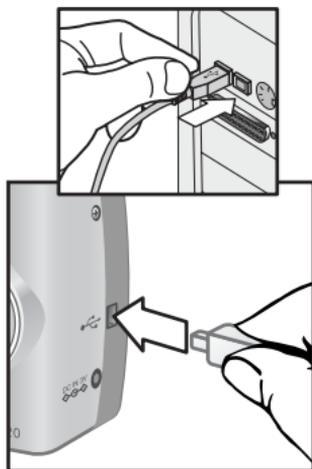


4 Connecting and Printing

You can share your pictures with family and friends by printing them, or storing them on your computer to send by e-mail. To transfer images to your computer, connect the camera to the computer by using the USB cable provided.

Connecting to a computer

Turn the camera on, and then connect the camera directly to a computer by using the USB cable as shown in the illustration. When the camera is connected to your computer, only the ► ON/OFF button operates. The other camera buttons do not respond.



When the camera is connected to your computer, the viewfinder light will be blinking red, and the **Display** is blank. The images in the camera are automatically unloaded to your computer.

NOTE If you are using a Macintosh computer, you must change the **USB Configuration** setting to **Disk Drive**. For more information, refer to Chapter 1, *Getting Started*.

To conserve battery power, use an optional HP AC adapter when unloading images to your computer. The HP AC adapter may be purchased separately.

Now that your images are stored on your computer, you can print them, send them by e-mail, and organize them with ease.

Printing your images

As mentioned in Chapter 3, you can print images by using the  option from the Playback menu. When you select images for printing, you create a print order, which then creates a Digital Print Order Format (DPOF) file. This file is stored with your images in memory. By using a print order, you can select one image, several images, or all of the images that you have stored in the camera.

When you transfer images from the camera to your computer, the print order is copied along with them. The HP Photo Imaging software reads the print order and prints the images that you selected. For more information, refer to the software's Help.

To create a print order

- 1 Press the  button to activate Playback mode.
- 2 Press the  button to begin reviewing your images.
- 3 Scroll to the image that you want to print.
- 4 Press **OK** to open the Playback menu. The  option is selected by default.
- 5 Press **OK** again to add the image to the print order.

Printing with a CF memory card

If your images are stored on a CF memory card, you can insert the memory card directly into most HP photosmart printers. When you insert the memory card into the printer, the printer reads the print order and prints the specified images. For more information, see the instructions available with your printer's documentation.

NOTE When you print images by inserting the memory card into the printer, the images are not automatically removed from the card. However, you can format the memory card by using the  option of the Playback menu. If you want to save the images on the memory card to your computer, do so before formatting the memory card.

5 Troubleshooting and Support

Problems and Solutions

Problem	Possible cause	Solution
The camera does not turn on.	The batteries are not functioning correctly.	Use only photo-quality AA lithium, alkaline, Ni-Cd, or Ni-MH batteries. Ensure the batteries are inserted correctly. The charge in the batteries can be low or completely drained. Try installing new or recharged batteries.
	The HP AC adapter is not functioning correctly.	Ensure that the HP AC adapter is not damaged or defective and is plugged into an electrical outlet with power.
	The HP AC adapter is connected to the camera, but it is not connected to a power outlet.	If you want to use battery power, disconnect the HP AC adapter from the camera. If you want to use AC power, connect the HP AC adapter to a working electrical outlet.

Problem	Possible cause	Solution
The camera does not respond when I press a button.	The camera is off.	Turn on the camera.
	The camera is connected to a computer.	The camera buttons other than the ► ON/OFF button do not respond when the camera is connected to a computer.
	The batteries are drained.	Replace the batteries.
	The camera has stopped operating.	Remove and reinsert the batteries. Replace the batteries if necessary.
The camera does not take a picture when I press the Shutter button.	You did not press the Shutter button hard enough.	Press the Shutter button all the way down.

Problem	Possible cause	Solution
I replace the camera batteries frequently.	Extended Display use and excessive flash use consume a lot of battery power.	<p>Use an HP AC adapter to power the camera when you are using the Display for an extended period of time and when you are unloading several images to your computer.</p> <p>Use the flash only when needed.</p> <p>Do not use ordinary alkaline batteries. Purchase higher-grade batteries, such as “ultra” or “premium” grade alkaline or photo-lithium batteries, or switch to rechargeable Ni-MH batteries. For more information about conserving battery power, refer to Appendix A: Accessories and Battery Management.</p>
	The Ni-MH batteries you are using were recharged incorrectly.	You must recharge all Ni-MH batteries after fully draining them four times for the batteries to reach their optimum capacity and performance.

Problem	Possible cause	Solution
The wrong date and/or time is shown.	The batteries are dead or were removed from the camera for more than a few minutes.	Replace the batteries and reset the date and time by using the camera menus.
A long delay occurs between the time I press the Shutter button and the camera takes a picture.	The camera is still saving the last picture you took.	Wait a few seconds for the camera to finish processing the image, and then press the Shutter button. Wait for the viewfinder light to stop blinking.
	The self-timer is activated.	Turn the self-timer off.
My image is blurry.	Your subject was too close to the camera lens.	Do not try to get closer than the camera's minimum focus range.
	You moved the camera while you took the picture.	Hold the camera steady as you press the Shutter button or use a tripod.
	The scene was dark so the exposure was long.	Turn on flash or use a tripod.

Problem	Possible cause	Solution
My image is too dark.	There was not enough light.	Wait for natural lighting conditions to improve or add indirect lighting.
	The flash was on, but the subject was too far away.	Make sure your subject is within 3 meters (approximately 9 feet) of the camera when you take the picture.
	A light shone behind the subject.	Use the Flash On setting to brighten the subject when there is a bright light such as the sun or a window behind your subject.
	Your finger blocked the flash.	Be sure to move your fingers away from the flash when you take a picture.
My image is too bright.	The flash provided too much light.	Change the flash setting to Flash Off .
	A natural or artificial source other than the flash provided too much light.	Try taking the picture from a different angle. Avoid pointing the camera directly toward a bright light or reflective surface on a sunny day. If there is light behind your subject, use the Flash On setting.
	You were too close to the subject to use the flash.	Move back from the subject or set the flash to Flash Off and take the picture again.

Problem	Possible cause	Solution
When I connect the camera to my computer, the software says it cannot find the camera.	The camera is turned off.	Turn on the camera.
	The cable is not connected correctly.	Make sure that the cable is firmly connected at both ends.
	The camera is connected to the computer through a USB hub and your USB hub is not compatible with the camera.	Connect the camera directly to a USB port on the computer.
When I connect the camera to a Macintosh computer, I do not get a Disk Drive icon on my desktop.	The USB Configuration setting is not set to Disk Drive .	Change the USB Configuration setting to Disk Drive .

Error Messages

You may receive error messages on the camera's Display, or on your computer screen.

Error Messages on the Display

Message	Possible cause	Solution
Unsupported card	The card in the memory slot is not a memory card or is not a supported memory card.	Check and ensure that the card is a CompactFlash (CF) memory card.
Battery low	Battery power is low and the camera will shut down soon.	Either recharge or replace the batteries.
No images in camera	There are no images in the camera and you are trying to review them.	Take some pictures.
Card full	You are attempting to take pictures when the card is full.	Unload the pictures from the camera, delete unwanted pictures, or replace the card with a new one.
Card is unformatted	Card is new and needs to be formatted.	Format the memory card by using the Delete menu. The camera will delete all data on the card.

Message	Possible cause	Solution
Card has wrong format	The card is formatted for a different device, such as an MP3 player.	Replace the card with a properly formatted card or format the current card.
Unable to format	The card is corrupted.	Replace the card.
Cannot display image	Possibly comes from copying images to the card from a computer or a corrupted image caused by the camera not shutting down properly.	Use the HP Photo Imaging software to edit the images copied on the card. Also, do not remove batteries or the memory card when the camera is turned on.
Unknown device	The camera is connected to a USB device that it does not recognize.	Make sure you are connected to a supported computer.

Error Messages on the Computer

Message	Possible cause	Solution
Connection between the imaging device and computer failed	The camera might be connected to a computer through a USB hub.	Try connecting the camera directly to the computer, or disconnect other devices attached to the hub.
Photos are still present on the camera	You have not chosen to have the images removed from the camera when you unload them to a computer.	If you want to have the images removed, choose this option from the HP Photo Imaging software.

Getting Assistance

Finding help on the web

HP product support

Visit www.hp.com/go/support to find information for your camera model. You can choose information about setting up and using your camera, unloading drivers, solving a problem, ordering, and information about the warranty.

HP photosmart website

Visit www.hp.com/photosmart for tips on using your camera more effectively and creatively as well as HP digital camera driver updates and software.

HP accessibility website

Visit www.hp.com/hpinfo/community/accessibility/prodserv/ if you have a disability and need help.

Contacting HP Customer Support

In addition to the Web, you can contact HP by telephone or mail for support and service for your camera. Prices, availability, and hours of support are subject to change without notice.

How HP can help

The HP support hotline can help resolve problems with setup, installation, configuration, and operation. For help with non-HP hardware or software, please contact the manufacturer.

Before you call

Review troubleshooting tips.

Have the following information ready before you call:

- serial number (found on the bottom of your camera)
- product name
- date of purchase

Hardware Repair Services

If you think your camera needs repair, first call the Customer Support Center, which can help determine if service is required and direct you to a service site. Otherwise, contact the store where you purchased the product. Or, visit www.hp.com/cpso-support/guide/psd/repairhelp.html for the nearest sales and service office.

Service is free of charge during the warranty period. Beyond the warranty period, service will be charged.

Obtaining support in the United States

Free telephone support for 90 days

Within 90 days of your purchase, telephone support is provided to you free of charge. If this is a long distance call for you, long distance charges will apply.

Call (1) (208) 323-2551.

Our support staff is available from 6 am to 10 pm Mountain Time, Monday through Friday, or 9 am to 4 pm Saturday.

After 90 days

Call (1) (208) 323-2551.

A fee of \$25.00 per call (U.S.) will be charged to your credit card. Charges begin only when you connect with a support technician.

Upgraded warranty options

You can select one of the following upgraded warranty options (available in the U.S. only):

- Standard Next Day Exchange
- Accidental Damage Protection with Next Day Exchange

Upgrade your standard factory warranty to three years with the HP SupportPack. Service coverage begins on product purchase date and the pack must be purchased within the first 180 days of product purchase. HP will determine the hardware service offering based upon the outcome of system self-test programs run by the customer through the initial call to the HP Customer Care Center. If during your technical support call it is determined that your product needs replacement, HP will ship you this replacement product next business day free of charge. Optional Accidental Damage Protection is also available. This warranty upgrade protects against accidental breakage such as spills, drops, or falls. Both of these warranty upgrades offer maximized uptime and productivity, the convenience of door-to-door pickup with delivery, packaging and freight prepaid by HP.

For more information call 1-888-999-4747 or visit www.homeandoffice.hp.com and select "warranty upgrades" under "product support."

Obtaining support worldwide

Telephone support is free for 1 year in Asia and the South Pacific and 30 days in the Middle East and Africa.

Please check for the details and conditions of phone support in your country or region by consulting website

www.hp.com/cposupport/loc/regional.html. Alternatively, you can ask your dealer or call HP at the phone number indicated in this manual. For English support in Europe, contact +44 (0) 207 512 52 02.

Algeria +213 (0) 61-56-45-43

Argentina 0-810-555-5520

Australia +63 (3) 8877 8000 (or local (03) 8877 8000)

Austria +43 (0) 810-00-6080

Belgium Dutch: +32 (0)2 626 8806
French: +32 (0)2 626 8807

Brazil (11) 4689-2012 (Grande São Paulo)
0800-157 751 (outside Grande São Paulo)

Canada 905-206-4663 (during the warranty period)
877-621-4722 (after the warranty period)

Chile 800 360 999 (Post-sales Home Computing)

China +86 (10) 6564 5959

Colombia 9 800 114 726

Czech Republic +42 (0)2 6130 7310

Denmark +45 39 29 4099

Egypt 02 532 5222

Finland +358 (0)203 47 288

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Germany +49 (0)180 52 58 143 (DM .24/min, Euro .12/min)

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0-80-999-0700 (outside Seoul)
Malaysia 1-800-805-405
Mexico 52 58 9922 (Mexico City)
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+27-11 258 9301 (outside RSA)

Spain +34 902 321 123

Sweden +46 (0)8 619 2170

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Turkey +90 216 579 71 71

Ukraine +7 (380-44) 490-3520

United Arab Emirates 971 4 883 8454

United Kingdom (UK) +44 (0) 207 512 52 02

Venezuela 0 800 4746 8368

Viet Nam +84 (0) 8 823 4530

Appendix A: Accessories and Battery Management

Accessories

You can purchase additional accessories for your camera from your local retailer or online at www.hpshopping.com. Some accessories for your HP photosmart 120 series digital camera include:

- HP AC power adapter (C8875A)
- Rechargeable batteries and battery charger
- CompactFlash (CF) memory card
- Camera bag
- Portable tripod

Managing Batteries

Each time you remove the batteries from the camera, the clock stops. When the camera is turned on again, the clock will be set to the last time and date at which it stopped. You may be prompted to modify the date and time. For more information about setting the date and time, refer to Chapter 1, Getting Started.

The following battery levels are displayed during Preview and Playback mode and when the camera is connected to a computer.

Level	Icon	Description
Full		Batteries have full life remaining
Partially full		Batteries have approximately 1/2 life remaining
Empty		Batteries are empty and need to be replaced

The camera uses four AA batteries. Acceptable batteries include alkaline, photo-lithium, NiCd, and NiMH. For the best results with your camera, use photo-lithium or NiMH batteries.

Extending battery life

- Use an optional HP AC adapter when unloading pictures to your computer.
- Turn the camera off during a pause in picture taking.
- Use the **Auto Flash** setting rather than **Flash On**.

Rechargeable batteries

NiCd or NiMH batteries can be recharged by using a battery charger (purchased separately).

Power Conservation

To conserve battery power, the camera's **Display backlight** shuts off automatically when there is no button activity for 60 seconds. If the camera is in Preview mode, it switches to Playback mode. To turn on the **Display backlight** and activate the camera, press any button.

If no buttons are pressed for 5 minutes, the camera turns off (unless it is connected to a computer).

You can also turn off the **Display backlight** manually by pressing and holding the **|□|** button for at least 2 seconds. To turn on the **Display backlight** again, press the **|□|** button for at least 2 seconds.

NOTE Power conservation only occurs when the camera is running from battery power.

Appendix B: Reference

Camera Specifications

Feature	Description												
Sensor	1.0 MP 1/2"												
Color depth	24 bits (8 bits x 3 colors)												
Resolution	Good 0.25 MP (576 x 432) Better 1.0 MP (1152 x 864) Best 1.0 MP (1152 x 864)												
Memory type	4 MB flash memory CF memory card optional												
Memory capacity	128 MB CF memory card (not included) <table><thead><tr><th>Quality</th><th>Images</th><th>Target File Size</th></tr></thead><tbody><tr><td>Good</td><td>2000</td><td>64 KB</td></tr><tr><td>Better</td><td>650</td><td>195 KB</td></tr><tr><td>Best</td><td>425</td><td>300 KB</td></tr></tbody></table>	Quality	Images	Target File Size	Good	2000	64 KB	Better	650	195 KB	Best	425	300 KB
Quality	Images	Target File Size											
Good	2000	64 KB											
Better	650	195 KB											
Best	425	300 KB											
Lens	Fixed Focal Length: 9.9mm F-Number: 2.8												
Zoom	2x digital zoom												
Capture modes	Still photographs or video recording												
Exposure control	Auto exposure												
Aperture	3.5mm												

Feature	Description
Shutter speed	Flash Off: 1/1000 to 1/15 second Auto Flash/Flash On: 1/1000 to 1/30 second
Video capture and playback	Video clip capture
Audio	Buzzer only
Flash settings	Auto Flash, Flash On, Flash Off
Focus	Fixed focus range: 1.2 meters to infinity
ISO (Sensitivity)	100
Metering	Average
White Balance	Automatic
Self-Timer	10 second delay
Viewfinder	Virtual image viewfinder
Flash guide number	Built-in flash with range up to 3 meters
LCD	1.4" STN
Compressed format	JPEG Motion JPEG AVI for video clip
Power	4 AA batteries (included) or optional HP AC adapter (6V, 2A type 2 plug) For power consumption data, please see the regulatory supplement included on the CD that came with your camera. The file name is regulatory_supplement.htm
Interfaces	USB 2.0 Full-speed device

Feature	Description
Standards	PTP MSDC JPEG Motion JPEG AVI DPOF EXIF DCF
Case Material	Plastic
Tripod mount	Yes
Dimensions	External Body Dimensions: 111mm (L) x 44.5mm (W) x 69mm (H)
Weight	151 grams (without batteries)

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