

hp photosmart 315 digital camera
user's guide
English

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Chapter 1: Getting Started

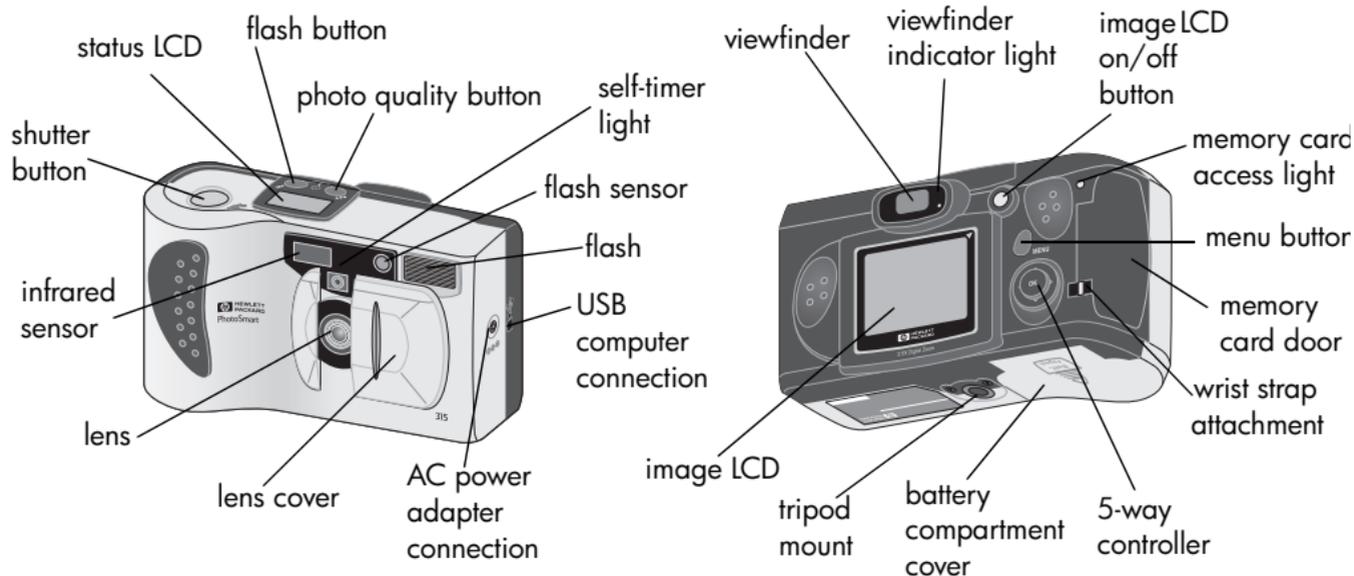
Introduction

Your simple-to-use HP PhotoSmart 315 digital camera takes high-quality photos you can share with family and friends on the Internet or via email. It comes with HP software for manipulating, storing, and printing your photos. Your camera includes the following features:

- 2.1 MP resolution
- Point and shoot interface
- Automatic exposure
- Automatic focus
- Integrated flash with red-eye reduction
- USB computer connection
- 2.5x digital zoom
- JetSend via infrared to any JetSend receiver, such as a printer
- Color LCD for previewing and reviewing photos
- Economical “digital film” (reusable CompactFlash memory card)
- Self-timer

Camera parts

The following illustrations show the front, back, and sides of the HP PhotoSmart 315 digital camera.



Quick setup

Setting up the HP PhotoSmart 315 digital camera is quick and easy—follow these steps and you'll be ready to take photos.

Step 1: Attach the wrist strap

1. Open the memory card door.
2. Using the wrist strap included in the box with your camera, thread the short loop through the wrist strap attachment. You might need to use a pointed object, such as a paper clip, to pull the end of the loop through.
3. Pull the strap through the loop, then pull the knot tight.
4. Close the memory card door.



Quick Setup

Step 2: Install the batteries

Insert four AA batteries (supplied), making sure that the +/– electrodes are facing the proper direction (see the diagram on the inside of the camera’s battery compartment). For details, see “Replacing batteries” on page 75.

Note: For replacement, use alkaline, lithium, or rechargeable Ni-Cd or Ni-MH batteries.

Step 3: Choose the camera language

The first time you turn on the HP PhotoSmart 315 digital camera, you are prompted to choose the language you want to use for the camera menus.

Note: You will need to use the camera’s 5-way controller to choose the camera language. For instructions on how to operate the 5-way controller, see “Using the 5-way controller” on page 14.

Quick Setup

1. Slide the lens cover open to turn the camera on.

The image LCD turns on and displays your language choices.

Note: The camera only turns the image LCD on automatically the first time you turn on the camera. Thereafter, you need to press the **image LCD on/off** button when you want to use the image LCD.

2. Use the up or down side of the 5-way controller to scroll to the language you want to use.
3. Press **OK** to select the language.



Step 4: Set the camera date and time

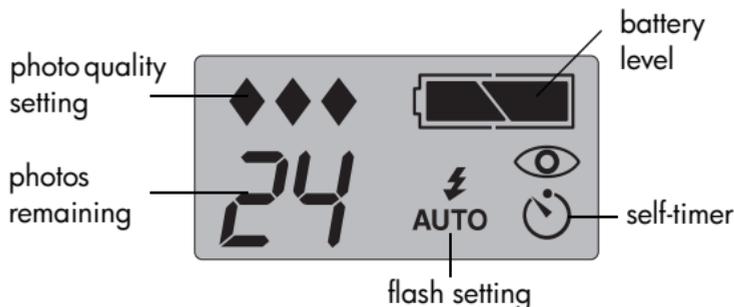
After you select the camera language, the camera immediately prompts you to enter the current date and time. Once you have set the camera's real-time clock, it can record the date and time at which you take each photo.

1. Use the up or down side of the 5-way controller to select the date and time format you want to use, then press **OK**. You can choose **mm/dd/yy** or **dd/mm/yy**, and 12- or 24-hour time format.
2. Use the right or left side of the 5-way controller to select the day (date) of the month, then press the down side of the 5-way controller to move to the next item in the list.
3. Select the month, year, hour, minutes, and AM or PM in the same manner, then press **OK**.
4. To confirm the date and time, press **OK**.

Your camera is now ready to take photos.

Turning the camera on and off

- To turn the camera on, slide the lens cover open. The status LCD turns on and displays the camera status.



Note: The icons that appear on the status LCD are discussed throughout this guide. You can see a list of all the icons in “Appendix A: Reference” on page 97.

- To turn the camera off, slide the lens cover closed. The status LCD goes blank.

Auto Power Off

To conserve battery power, the camera automatically turns itself off if 3 minutes elapse and you don't press a button. If the camera is connected to a computer, the camera turns itself off if 30 minutes elapse and there is no interaction between the camera and the computer.

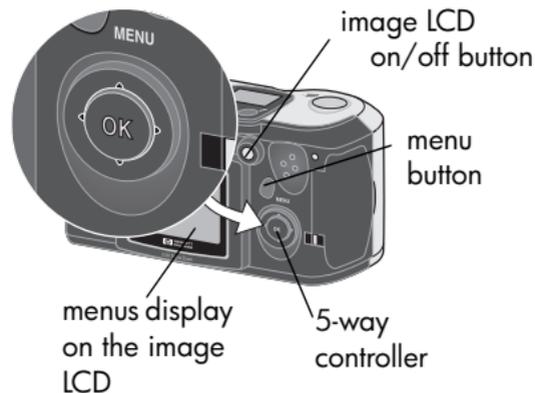
Using the 5-way controller

Use the 5-way controller to:

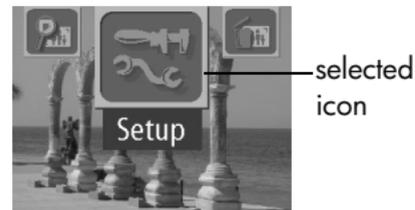
- Make selections from the camera menus, which allow you to adjust the camera's settings.
- Scroll through photos you have taken.
- Use the digital zoom.

Press the up, down, left, or right side of the 5-way controller to move in the corresponding direction. When a procedure in this guide says to press **OK**, press the center of the 5-way controller straight in. For example, to select menu options:

1. Press the **image LCD on/off** button to turn the image LCD on.
2. Press the **menu** button.

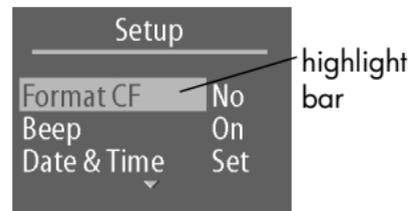


3. Press the right or left side of the 5-way controller until the desired menu is selected on the image LCD. Each menu is represented by an icon. A selected icon is enlarged and animated.



4. Press **OK** to open the menu. To press **OK**, push the center of the 5-way controller straight in, without tilting the button.

5. Press the up or down side of the 5-way controller to highlight your choice. The highlight bar indicates the selected option.



6. Press **OK** to confirm your selection.

You also use the 5-way controller to scroll through your photos or activate the digital zoom. For details, see "Viewing your photos" on page 26 and "Using the digital zoom" on page 44. Specific instructions on using the camera menus appear throughout this guide.

Note: To exit the camera menus without making a selection, press the **menu** button.

Chapter 2: Taking Photos

This chapter describes the basic process of taking photos with your HP PhotoSmart 315 digital camera and gives you tips for taking the best photos. Once you are familiar with this process, see Chapter 4 for instructions on adjusting the camera settings to fit your needs.

Taking a photo

1. Slide the lens cover open to turn the camera on.

The camera is in Capture mode. Be sure to move your fingers away from the camera lens and the flash when you are ready to take a photo.

2. Frame your subject in the viewfinder.

3. Press and hold the **shutter** button 1/2 way down to allow the camera to adjust the focus and exposure.
4. When you see the steady green light to the right of the viewfinder, press the **shutter** button all the way down to take the photo. Wait for the beeps, indicating your photo has been taken, then release the **shutter** button.

A red light appears next to the viewfinder to indicate the photo is being processed. You can take another photo when the red light turns off.

Tip: When you are taking a photo, be careful to keep your fingers away from the lens and the flash. The following illustrations give you examples of how to hold the camera.



Auto Focus and Auto Exposure

The camera automatically focuses and adjusts the exposure for the current lighting conditions when you press the **shutter** button. Prepare early by framing your photo and pressing the **shutter** button 1/2 way down, especially when you are photographing an active subject. When the steady green light appears next to the viewfinder, the camera has achieved focus and adjusted the exposure. You can then press the **shutter** button all the way down at the exact moment you wish to capture the image.

The camera will adjust the focus and exposure automatically even if you press the **shutter** button all the way down without pausing. But, you are more likely to catch the perfect shot if you set the camera's focus and exposure early by pressing the **shutter** button 1/2 way down, and then pressing the **shutter** button all the way down at the exact moment you wish to capture the image.

If the camera cannot find a focus or there is not enough light to illuminate the subject, a blinking green light appears to the right of the viewfinder. You can still take the photo, but the results may not be optimal. For better results, try the suggestions found under "Tips for taking the best photos" on page 23.

Previewing your photos

Instead of looking through the viewfinder to preview a photo, you can use the image LCD to preview a photo. The image LCD shows exactly what your photo will look like, whereas the viewfinder shows slightly less than what the camera will actually capture. Preview your photo on the image LCD when precise framing is important, such as when you are taking a close-up shot.

Notes: If you are using the digital zoom, you must preview the photo on the image LCD to see the effect of the zoom. See “Using the digital zoom” on page 44.

To conserve battery power, the camera automatically turns off the image LCD if you do not take a photo within 60 seconds.

To preview a photo:

1. Slide the lens cover open to turn the camera on.
2. Press the **image LCD on/off** button to turn the image LCD on.
3. Frame your photo in the image LCD by pointing the camera lens at your subject.

4. Press and hold the **shutter** button 1/2 way down to allow the camera to adjust the focus and exposure.

Note: If you move the camera and frame a different subject while keeping the **shutter** button pressed 1/2 way down, the camera does not re-adjust the focus and exposure. If you decide to take a different photo, release the **shutter** button and start over so that the camera can adjust focus and exposure for the new subject.

5. When you see the steady green light to the right of the viewfinder, press the **shutter** button all the way down to take the photo. Wait for the beeps, indicating your photo has been taken, then release the **shutter** button.

When you are finished using the image LCD to frame your photos, you can close the lens cover to turn the camera off, or press the **image LCD on/off** button to turn only the image LCD off.

Using Instant Review

You can review each photo on the image LCD immediately after taking it. While reviewing a photo, you can choose to save or delete it. To immediately review your photos, you must turn Instant Review on using the **Instant Review** menu. For instructions on how to turn Instant Review on, see “Setting Instant Review” on page 48.

Note: You can also review photos stored on the camera’s memory card using Review mode. For more information, see “Chapter 3: Reviewing Your Photos.”

To use Instant Review:

1. Take your photo.

The camera displays the photo you just took on the image LCD.

2. To save the photo, press **OK** or do nothing. The image LCD turns off.

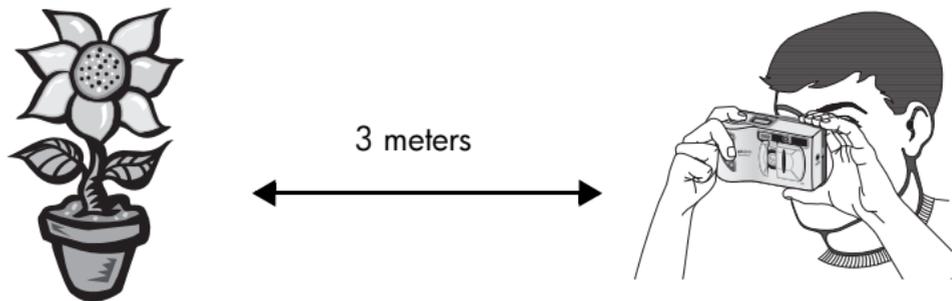
OR

To delete the photo, use the right or left side of the 5-way controller to select **Delete** on the menu, then press **OK**. The image LCD turns off.

If you don’t choose **Save** or **Delete** from the menu, the camera automatically saves the photo and turns off the image LCD after 4 seconds.

Tips for taking the best photos

- Try to fill the entire frame with your subject and exclude unwanted detail.
- Keep the sun behind you or at your side, not directly overhead or in front of you.
- If the light is behind your subject, use the **On** flash setting to increase the light on the front of your subject. See “Using the flash” on page 39 for details.
- When the ambient light is low, use the flash. If you use the flash **On** or **Off** setting, use a tripod to avoid camera movement during exposure.
- If you are using the flash, keep the subject within the flash range (3m, or about 9.8 ft.).

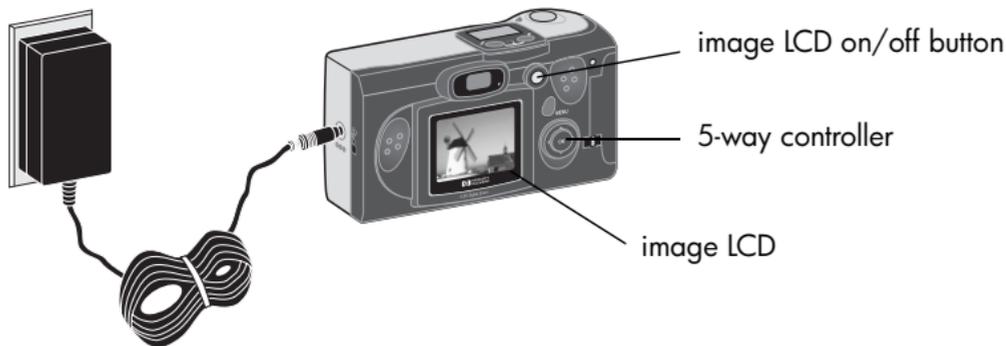


- The camera takes about a second to focus and adjust the exposure when you press the **shutter** button 1/2 way down. Wait until you see the steady green light to the right of the viewfinder, then press the **shutter** button all the way down to take the photo. If you are not used to using a digital camera, you may want to practice to get used to the timing.
- If a blinking green light appears when you press the **shutter** button, the camera cannot find a focus or there is not enough light to illuminate your subject (or both). Try the following:
 - Make sure you are not too close to your subject and frame your photos with the desired subject in the center. The camera's Auto Focus has a range of 30cm (11.8 in.) to infinity and focuses on the object in the center of the frame.
 - If the light on your subject is low, wait for better natural light or use the flash. For details, see "Using the flash" on page 39.
 - Set the camera's Auto Focus and Auto Exposure using a different subject. First, frame a subject that is the same distance from the lens and has the same lighting conditions as your desired subject, then press the **shutter** button 1/2 way down. Next, keeping the **shutter** button pressed 1/2 way down, frame your desired subject and then press the **shutter** button all the way down.

Chapter 3: Reviewing Your Photos

After you have taken some photos and they are stored on the CompactFlash memory card, you can view them using the image LCD. While viewing your photos, you can magnify, erase, lock, and rotate photos, or create a DPOF file to print a set of photos. Your camera is automatically in Review mode if you turn on the image LCD while the lens cover is closed.

Tip: To preserve battery life, connect an AC power adapter (optional) while using the image LCD to review your photos. See “Using an AC power adapter” on page 77.



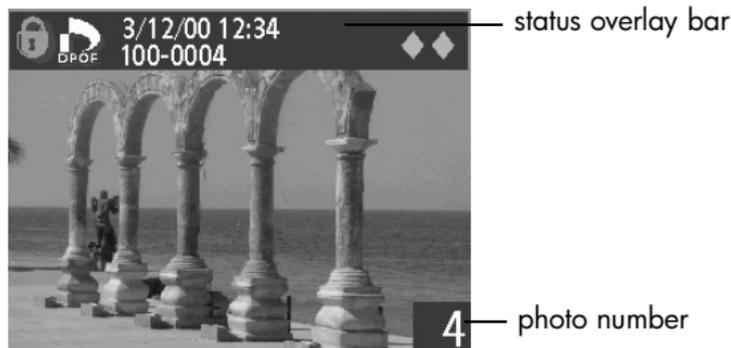
Viewing your photos

1. Make sure the lens cover is closed (the camera is off).
2. Press the **image LCD on/off** button to turn the image LCD on.

The last photo you took appears on the image LCD.

3. Use the 5-way controller to sequence through your photos.

Each time you display a new photo on the LCD, a status overlay bar appears for a few seconds.



The status overlay bar gives you the following information about the current photo:

- date/time photo was taken
- photo quality setting used to take the photo (◆, ◆◆ or ◆◆◆)
- DPOF status (DPOF icon appears only if photo is marked for DPOF)
- lock status (Lock icon appears only if photo is locked)
- directory and file information from the memory card

The number that appears in the lower right corner of each photo indicates the sequence in which you took the photos. For details on photo quality, locking, and DPOF, see “Changing the photo quality” on page 41, “Locking your photos” on page 27, and “Creating a Digital Print Order Format (DPOF) file” on page 36.

When you are finished reviewing photos, be sure to turn off the image LCD to conserve battery power.

Viewing small versions (thumbnails) of your photos

You can view up to nine of your photos at the same time on the image LCD.

To look at thumbnails of your photos:

1. Make sure the lens cover is closed (the camera is off).
2. Press the **image LCD on/off** button to turn the image LCD on.
3. Press the **menu** button.
4. Use the right or left side of the 5-way controller to scroll to the **Thumbnails** menu, then press **OK**.



The image LCD displays up to nine of your photos at once, depending on how many photos you have stored on the memory card. A yellow border frames one photo in the set; this is the currently selected photo.

currently
selected
photo



5. To advance to the next set of thumbnails, use the 5-way controller to move the yellow border to the last photo in the set, and then press the down side of the 5-way controller.

Note: To scroll to the previous set of thumbnails, move the yellow border to the first photo in the set and then press the up side of the 5-way controller.

6. When you want to see one photo in normal view, use the 5-way controller to move the yellow border to the photo, and then press **OK**.

Magnifying your photos

While reviewing a photo, you can magnify an area of the photo.

To magnify a photo:

1. Make sure the lens cover is closed (the camera is off).
2. Press the **image LCD on/off** button to turn the image LCD on.
3. Use the right or left side of the 5-way controller to scroll to the photo you want to magnify.
4. Press the **menu** button.
5. Use the right or left side of the 5-way controller to scroll to the **Magnify** menu.
6. Press **OK** to magnify the photo.



The camera magnifies the center of the photo. A blue border frames the photo to indicate that the photo is magnified.

7. Use the 5-way controller to pan left and right, or up and down.
8. Press **OK** to return to normal view.

Erasing your photos

You can erase a single photo or all photos from the memory card. Once a photo has been erased, it cannot be recovered.

Note: Locked photos must be unlocked before they can be erased. See “Locking your photos” on page 33 for details.

To erase photos:

1. Make sure the lens cover is closed (the camera is off).
2. Press the **image LCD on/off** button to turn the image LCD on.
3. If you are erasing a single photo, use the right or left side of the 5-way controller to scroll to the photo you want to erase.

Note: If you are erasing all photos from the memory card, it doesn't matter which photo is displayed on the image LCD.

4. Press the **menu** button.

5. Use the right or left side of the 5-way controller to scroll to the **Erase** menu, then press **OK**.



6. Use the up or down side of the 5-way controller to select **Yes** if you want to erase the current photo only or **All** if you want to erase all photos, then press **OK**.

7. If you chose to erase all photos, you are asked to confirm. To confirm, use the right or left side of the 5-way controller to select **Yes**, then press **OK**.

8. If you want to erase another photo, use the right or left side of the 5-way controller to scroll to the next photo you want to erase, select **Yes**, and then press **OK**.

Repeat this step until you are finished erasing photos.

9. When you are finished erasing photos, use the up or down side of the 5-way controller to select **Exit**, then press **OK**.

Locking your photos

Locking photos prevents them from being accidentally erased from the memory card. You can lock all photos on the memory card at the same time or you can choose individual photos to lock. You can also unlock photos that have been locked.

When you are reviewing photos on the image LCD, a lock icon displays on the status overlay bar for photos that are locked.

Warning: Locking a photo does not prevent it from being erased if you format the memory card. For more information, see “Formatting a memory card” on page 71.

To lock or unlock photos:

1. Make sure the lens cover is closed (the camera is off).
2. Press the **image LCD on/off** button to turn the image LCD on.

lock icon



3. If you are locking or unlocking a single photo, use the right or left side of the 5-way controller to scroll to the photo you want to lock or unlock.

Note: If you are locking or unlocking all the photos on the memory card, it doesn't matter which photo is displayed on the image LCD.

4. Press the **menu** button.
5. Use the right or left side of the 5-way controller to scroll to the **Lock** menu, then press **OK**.



6. Use the up or down side of the 5-way controller to select **Yes** if you want to lock or unlock the current photo only or **All** if you want to lock or unlock all photos, then press **OK**.
7. If you chose to lock or unlock all photos, you are asked to confirm. To confirm, use the right or left side of the 5-way controller to select **Yes**, then press **OK**.
8. If you want to lock or unlock another photo, use the right or left side of the 5-way controller to scroll to the photo, select **Yes**, and then press **OK**.
Repeat this step until you are finished locking and unlocking photos.
9. Use the up or down side of the 5-way controller to select **Exit**, then press **OK**.

Rotating your photos

You can rotate a photo displayed on the image LCD in 90° increments.

To rotate a photo:

1. Make sure the lens cover is closed (the camera is off).
2. Press the **image LCD on/off** button to turn the image LCD on.
3. Use the right or left side of the 5-way controller to scroll to the photo you would like to rotate.
4. Press the **menu** button.
5. Use the right or left side of the 5-way controller to scroll to the **Rotate** menu, then press **OK**.
6. Use the up or down side of the 5-way controller to select the direction you want to rotate the photo, then press **OK**.



Select  to rotate the photo clockwise. Select  to rotate the photo counter-clockwise.

7. Press **OK** repeatedly to continue to rotate the photo in the same direction until you are happy with the photo's position.

8. If you want to rotate another photo, use the right or left side of the 5-way controller to scroll to the photo, select the direction you want to rotate in, and then press **OK** repeatedly until you are happy with the photo's position.
Repeat this step until you are finished rotating photos.
9. Use the up or down side of the 5-way controller to select **Exit**, then press **OK**.

Creating a Digital Print Order Format (DPOF) file

If you intend to print photos directly from the memory card on a printer that has a built-in card reader, you can streamline the printing process by creating a DPOF file. To create a DPOF file, you use the DPOF camera menu to select which photos you want to print. Then, when you insert the memory card into your DPOF-compatible printer, the printer reads the DPOF file and prints the specified photos. See "Printing photos without a computer" on page 64 for instructions on printing photos directly from the memory card.

DPOF technology gives you the convenience of using your camera to select the photos you want to print. For example, when you gather with family and friends to view your photos, you can create a DPOF file to keep track of the photos they want copies of.

You can select the photos you want to include in a DPOF file one at a time, or you can choose to add all of the photos on the memory card at the same time. Selecting a photo to add to a DPOF file is called “marking” the photo. Once you have marked a photo, you can unmark it to remove it from the DPOF file.

Note: When you are reviewing photos on the image LCD, a DPOF icon displays on the status overlay bar for photos that are marked.

To create or edit a DPOF file:

1. Make sure the lens cover is closed (the camera is off).
2. Press the **image LCD on/off** button to turn the image LCD on.
3. If you are marking or unmarking a single photo, use the 5-way controller to scroll to the photo you want to add to or remove from the DPOF file.

Note: If you are marking or unmarking all photos on the memory card, it doesn't matter which photo is displayed on the image LCD.

4. Press the **menu** button.



5. Use the right or left side of the 5-way controller to scroll to the **DPOF** menu, then press **OK**.
6. Use the up or down side of the 5-way controller to select **Yes** if you are marking or unmarking a single photo. Select **Mark All** or **Clear All** if you are marking or unmarking all the photos on the memory card.
7. Press **OK**.
8. If you chose to mark or unmark all photos, you are asked to confirm. To confirm, use the right or left side of the 5-way controller to select **Yes**, then press **OK**.



Note: A DPOF file can contain up to 100 photos. If you choose to mark all photos and there are more than 100 photos stored on the memory card, only the first 100 photos will be stored in the DPOF file.

9. If you want to mark or unmark another photo, use the right or left side of the 5-way controller to scroll to the photo, select **Yes**, and then press **OK**.

Repeat this step until you are finished marking and unmarking photos.

10. Use the up or down side of the 5-way controller to select **Exit**, then press **OK**.

Chapter 4: Adjusting the Camera Settings

You can modify the HP PhotoSmart 315 digital camera's settings to fit the current photo-taking conditions and your preferences. For example, you can adjust the flash settings to fit current lighting conditions, and you can select the camera language you prefer to use. This chapter contains the information you need to take the best photos and get the most out of your digital camera.

Using the flash

The camera offers four flash settings. The current flash setting is indicated by an icon on the status LCD.

 AUTO	Auto	The camera determines the need for a flash based on lighting conditions. The flash setting reverts to Auto each time you turn the camera on.
	On	The flash will be used in all lighting conditions. The amount of light provided by the flash will be adjusted according to the current lighting conditions. Use this setting when the lighting for the entire photo is sufficient, but the lighting for the subject is not, as in a backlighting situation. This is commonly called "fill flash."

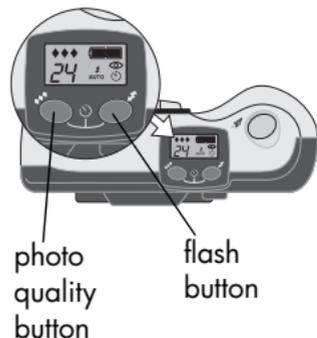
	Off	The flash will not be used, regardless of the lighting conditions. Use this setting in places where flash photography is not permitted.
	Auto with red-eye reduction	The flash will be used if needed. Red-eye reduction minimizes the occurrence of red-eye in photos of people or animals by flashing twice—once to condition the subject's eyes to the flash, and a second time to take the photo. If you are photographing people, tell them to wait for the second flash before moving.

To change the flash setting:

1. Slide the lens cover open to turn the camera on.
2. Press the **flash** button repeatedly until the flash setting you want displays on the status LCD. The flash button cycles through the four available flash settings.

Note: The flash setting remains until you change it, or until you turn the camera off and on, reverting it to the Auto setting.

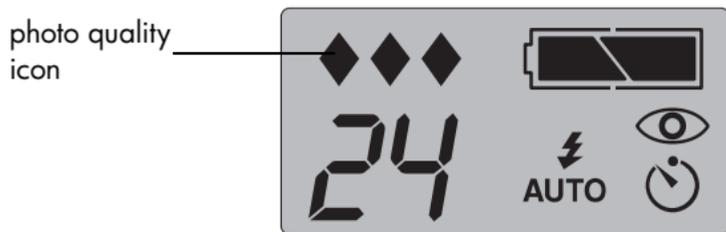
3. Take your photo.



Note: The flash recharges between photos. This is indicated by a red light next to the viewfinder and a blinking flash icon on the status LCD. When the red light turns off and the flash icon stops blinking, you can take another flash photo.

Changing the photo quality

The camera has three photo quality settings: Basic, Fine, and Super-fine. The current photo quality setting is indicated by a 1-, 2-, or 3-diamond icon on the status LCD.



The photo quality setting you choose determines the quality of your photos and how many photos can be stored on the CompactFlash memory card. Photos taken with higher photo quality take up more space on the memory card; photos taken with lower photo quality take up less space.

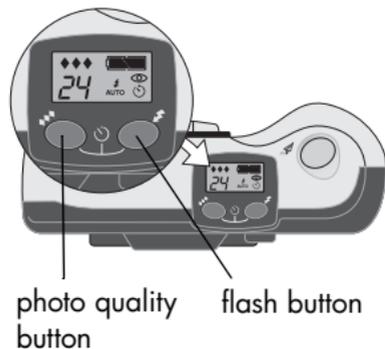
Photo quality		Description	Resolution
◆	Basic	The most memory-efficient photo quality setting. Use this setting for taking photos that you plan to send via e-mail or place on the Internet.	640x480
◆◆	Fine	Produces high-quality photos and requires less memory than Super-fine mode. Use this setting for taking photos that you plan to store on your disk or in a database, or print at up to 8x10 inches. This is the default setting.	1200x1600
◆◆◆	Super-fine	Produces the highest-quality photos and uses the most memory. Use this setting for taking photos that you plan to crop and enlarge using photo editing software, or print larger than 8x10 inches.	1200x1600

Here are some important notes about the photo quality setting:

- You can use different photo quality settings for different photos on the same memory card.
- The camera retains the current photo quality setting until you change it, even if you turn the camera off.
- 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.

To change the photo quality:

1. Slide the lens cover open to turn the camera on.
2. Press the **photo quality** button repeatedly until the quality level you want is displayed on the status LCD.

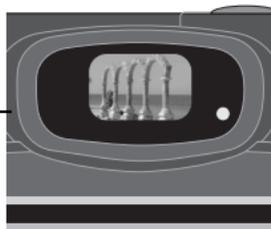


Using the digital zoom

You can use the camera's digital zoom to make a subject appear to be closer.

You must use the image LCD to preview your photo to see the effect of the zoom. The image LCD shows the image you will capture, as shown in the example below.

subject as it
appears in the
viewfinder



subject as it appears
on the image LCD
when digital zoom is
active



Note: Digital zoom affects photo quality. The more you zoom in, the more photo quality is reduced.

There are two ways to zoom: using Quick Zoom or using the Digital Zoom camera menu.

To use Quick Zoom:

1. Slide the lens cover open to turn the camera on.
2. Press the **image LCD on/off** button to turn the image LCD on.
3. Use the down side of the 5-way controller to zoom in on your subject.

When the digital zoom is active, a red border frames the photo on the image LCD.

Each time you press down on the 5-way controller, the zoom factor increases. You can zoom in the following steps: 1.5x, 2x, or 2.5x.

Note: To zoom out, use the up side of the 5-way controller. To cancel the digital zoom and return to normal view, press **OK**.

4. Take your photo.

To use the Digital Zoom menu:

1. Slide the lens cover open to turn the camera on.
2. Press the **image LCD on/off** button to turn the image LCD on.
3. Press the **menu** button.
4. Use the right or left side of the 5-way controller to scroll to the **Digital Zoom** menu.
5. Press **OK** to zoom in on your subject.



When the digital zoom is active, a red border frames the photo on the image LCD.

6. If you want to zoom in closer, use the down side of the 5-way controller. Each time you press down on the 5-way controller, the zoom factor increases. You can zoom in the following steps: 1.5x, 2x, or 2.5x.

Note: To zoom out, use the up side of the 5-way controller. To cancel the digital zoom and return to normal view, press **OK**.

7. Take your photo.

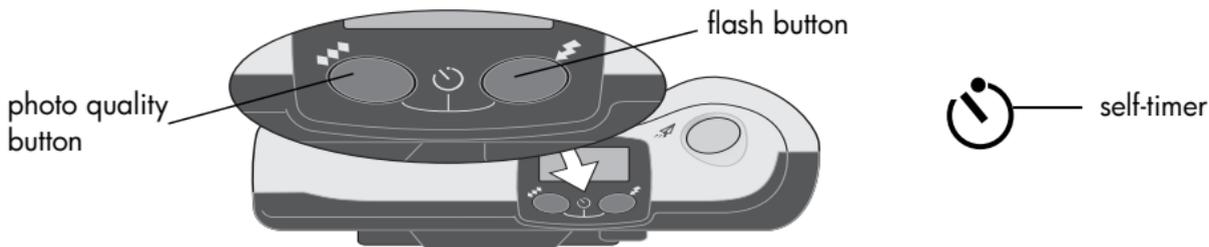
Using the self-timer

Use the self-timer to take a photo of yourself or a posed group photo. After you turn the self-timer on and press the **shutter** button, the camera waits 10 seconds before taking the photo.

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 the subject.
2. Slide the lens cover open to turn the camera on.
3. Frame your subject in the viewfinder. When you are ready to take the photo, press the **photo quality** button and the **flash** button simultaneously to turn on the self-timer.

The self-timer icon appears in the camera's status LCD.



Note: To cancel the self-timer, press the two buttons again.

4. Press the **shutter** button all the way down, then release it.

The red self-timer indicator light on the front of the camera blinks for 10 seconds with an increasing frequency.

After 10 seconds, the camera takes the photo and the self-timer turns off automatically.

Setting Instant Review

Turn Instant Review on if you want your photos to automatically display on the image LCD immediately after you take them. While a photo is displayed on the image LCD, you can choose to save or delete it.

Note: Instant Review is off by default. If you turn it on but decide that you do not want to review every photo immediately after you take it, turn Instant Review off to conserve battery power.

To turn Instant Review on or off:

1. Slide the lens cover open to turn the camera on.
2. Press the **image LCD on/off** button to turn the image LCD on.
3. Press the **menu** button.
4. Use the right or left side of the 5-way controller to select **Review Off** or **Review On** from the camera menu, then press **OK**.



instant
review is
currently on



instant
review is
currently off

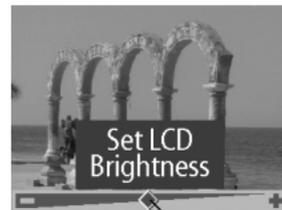
Note: The Instant Review menu icon changes its appearance depending on the current setting. For example, If Instant Review is currently off, the icon displays a blank LCD and asks if you want to turn Instant Review on.

Setting the image LCD brightness

You can adjust the brightness of the image LCD for different lighting conditions. For example, if you are using the camera in bright sunlight, you may want to increase the image LCD brightness to improve the visibility of the display.

To set the image LCD brightness:

1. Press the **image LCD on/off** button to turn the image LCD on.
2. Press the **menu** button.
3. Use the right or left side of the 5-way controller to scroll to the **Setup** menu, then press **OK**.
4. Use the up or down side of the 5-way controller to scroll to **LCD Brightness**, then press **OK**.
5. Use the right side of the 5-way controller to increase the LCD brightness or use the left side of the 5-way controller to decrease brightness. The diamond icon in the camera's image LCD indicates the current level of brightness.
6. Press **OK**.



current level indicator

Setting the date and time

The camera has a real-time clock that can record the date and time at which you take each photo.

The camera prompts you to enter the date and time under the following circumstances:

- When you turn on the camera for the first time.
- The camera was without battery power (empty or removed batteries) for an extended period of time.

Note: To avoid losing date and time information, replace empty batteries within 15 minutes.

If the camera prompts you to set the date and time, follow the instructions in the Quick Setup section. See “Step 4: Set the camera date and time” on page 12.

You may want to change the camera’s clock settings at other times—for example, if you travel across time zones. You can change the camera’s date and time, or choose a different format for either, using the **Setup** menu.

To change the date and time:

1. Press the **image LCD on/off** button to turn the image LCD on.
2. Press the **menu** button.
3. Use the right or left side of the 5-way controller to scroll to the **Setup** menu, then press **OK**.



- Use the up or down side of the 5-way controller to scroll to **Date & Time**, then press **OK**.
4. Use the up or down side of the 5-way controller to select the date and time format you want to use, then press **OK**. You can choose **mm/dd/yy** or **dd/mm/yy**, and 12- or 24-hour time format.
 5. Use the right or left side of the 5-way controller to select the day (date) of the month, then press the down side of the 5-way controller to move to the next item in the list.
 6. Select the month, year, hour, minutes, and AM or PM in the same manner, then press **OK**.
 7. To confirm the date and time, press **OK**.

Changing the camera language

You can change the language used for the camera menus.

To change the camera language:

1. Press the **image LCD on/off** button to turn the image LCD on.
2. Press the **menu** button.
3. Use the right or left side of the 5-way controller to scroll to the **Setup** menu, then press **OK**.
4. Use the up or down side of the 5-way controller to scroll to **Language**, then press **OK**.
5. Use the right or left side of the 5-way controller to scroll to the language you want to use, then press **OK**.

Setting the beep

The camera beeps to let you know that it is has finished capturing an image, or to warn you that the batteries are empty or the memory card is full or inoperable. The beep is on by default but you can turn it off if you are in a location where silence is required (for example, a museum or a school play).

To turn the beep on or off:

1. Press the **image LCD on/off** button to turn the image LCD on.

2. Press the **menu** button.

The menu appears on the image LCD with the **Setup** icon highlighted.

3. Press **OK** to open the **Setup** menu.

4. Use the up or down side of the 5-way controller to scroll to **Beep**.

5. Use the right or left side of the 5-way controller to select **On** or **Off**, then press **OK**.

Chapter 5: Sharing and Printing Photos

Once you have taken some photos with your HP PhotoSmart 315 digital camera, you can use them in many fun and creative ways. You can transfer them to your Windows PC or Macintosh for use in creative projects, or for sharing with family and friends via the Internet. If you have an HP JetSend-capable printer or another JetSend-receiving device, you can transfer photos from your camera to your printer or other device using wireless infrared technology. If you have a printer with a slot for a CompactFlash memory card, you can print your photos directly from your memory card.

Check out HP's PhotoSmart Web site at www.hp.com/photosmart for great ideas and tips on how to use your photos to create fun projects.

Connecting the camera to your Windows PC

You can connect your HP PhotoSmart 315 digital camera to a Windows PC using the USB cable that comes in the camera package. Before you can use your camera with your computer, you need to install the HP Photo Imaging software.

Note: If you have a Macintosh computer, see "Connecting the camera to a Macintosh" on page 62 for more information.

System requirements for a Windows PC

To work with your camera, your computer must meet or exceed the following requirements:

Processor	166 MHz Pentium or equivalent
Memory (RAM)	For Windows 98, Windows Me, and Windows 2000: 32 MB For Windows NT 4.0*: 64 MB
Free hard disk space	150 MB
Video display	800x600, 16-bit color
CD-ROM	any speed
Operating system	Windows 98, Windows Me, Windows 2000, or Windows NT 4.0*
Interface	For Windows 98, Windows Me, and Windows 2000: USB port For Windows NT 4.0*: CompactFlash card reader (purchased separately)

* If you are using Windows NT 4.0 or later, you will need a CompactFlash card reader (purchased separately) and 64 MB of RAM to use the camera with your computer.

Installing the software on a Windows PC

1. Insert the HP PhotoSmart 315 CD into your computer's CD-ROM drive. The installation window automatically appears.

Note: If the installation window doesn't appear, use Windows Explorer or My Computer to locate your CD-ROM drive, and then double-click the file **setup.exe**.

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

Connecting the camera to a Windows PC

Before connecting the camera to your computer, make sure you have installed the software. See “Installing the software on a Windows PC” above for details.

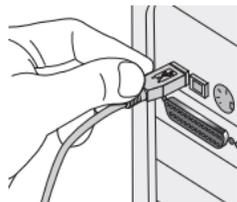
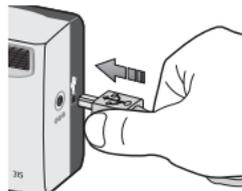
Note: The camera uses a USB connection, so you do not need to turn the computer off when connecting or disconnecting the camera.

To connect the camera to a Windows PC:

1. Plug the smaller end of the USB cable (supplied) into the camera.
2. Plug the other end of the cable into any USB port on your computer.
3. Slide the lens cover open to turn the camera on.

When the camera is connected to a computer, it automatically switches to PC mode and the letters **PC** appear on the status LCD. You are now ready to download photos.

Note: When the camera is connected to your computer, the camera buttons do not respond.



Downloading photos to a Windows PC

Downloading is the process of transferring photos from the camera's memory card to your computer.

Tip: To conserve battery power, use an AC adapter (optional) when you are downloading photos to your computer. For more information, see "Using an AC power adapter" on page 77.

To download photos to a Windows PC:

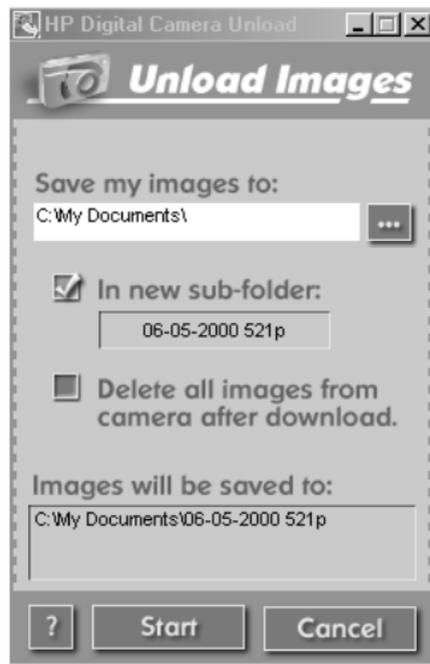
1. Connect the camera to your computer using the USB cable. See "Connecting the camera to a Windows PC" on page 58.
2. Slide the lens cover open to turn the camera on.

The status LCD displays **PC** to indicate the camera is connected to a computer. After a few seconds, the HP Photo Imaging Software window appears on your computer screen.

3. Click **Unload Camera**. 

4. If desired, click the **browse (...)** button to select the folder where the photos will be saved. If you do not select a folder, the photos will be saved to the folder shown in the **Save my images to** section.
5. If you want to create a sub-folder based on the date and time, select **In new sub-folder**. A new folder will be created within the folder shown in the **Save my images to** section.
6. Click **Start**.
7. Click **Yes** to confirm that the photos are being saved in the correct folder and to download the photos.

Note: If you prefer, you can use Windows Explorer or My Computer to download photos. When you connect the camera to your computer, a drive icon representing the camera appears in the Windows Explorer and My Computer windows. Double-click the drive icon to access your photos. Then, use the Windows Clipboard and the **Copy** and **Paste** commands to transfer selected photos to your hard drive.



When you are finished downloading you can:

- View your photos
- Print your photos
- Share your photos with family and friends on the Internet

See the HP Photo Imaging software's online help for more information.

Connecting the camera to your Macintosh

System requirements for a Macintosh

To work with your camera, your Macintosh must meet or exceed the following requirements:

Processor	Power PC, 233 MHz
Memory (RAM)	64 MB
Free hard disk space	150 MB
Video display	800x600, 16-bit color
CD-ROM	any speed
Operating system	MAC OS 8.6 or later
Interface	USB port

Connecting the camera to a Macintosh

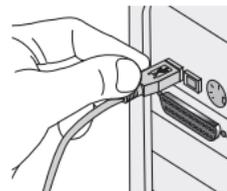
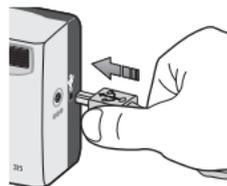
Note: The camera uses a USB connection, so you do not need to turn the computer off when connecting or disconnecting the camera.

To connect the camera to a Macintosh:

1. Plug the smaller end of the USB cable (supplied) into the camera.
2. Plug the other end of the cable into any USB port on your computer.
3. Slide the lens cover open to turn the camera on.

When the camera is connected to a computer, it automatically switches to PC mode and the letters **PC** appear on the status LCD. **PC** indicates “computer” regardless of whether you are using a Macintosh or a Windows PC. You are now ready to download photos.

Note: When the camera is connected to your computer, the camera buttons do not respond.



Downloading photos to a Macintosh

Tip: To conserve battery power, use an AC power adapter (optional) when you are downloading photos to your computer. For more information, see “Using an AC power adapter” on page 77.

To download photos to a Macintosh:

1. Connect the camera to your computer using the USB cable. See “Connecting the camera to a Macintosh” on page 62.

2. Slide the lens cover open to turn the camera on.

The status LCD displays **PC** to indicate the camera is connected to a computer.

3. Double-click the **Untitled** drive icon on your desktop.

4. Select the photo or photos you want to transfer to your hard drive.



Note: To select more than one photo, hold down the **Ctrl** key and click each photo.

5. In the **Untitled** drive window, select **Copy** from the **Edit** menu.

6. Open the hard drive window and open the folder you want to store the photos in.

7. In the hard drive window, select **Paste** from the **Edit** menu.

When you are finished downloading, you can work with your photos using the ArcSoft PhotoImpression software that came with your camera. See the software's online help for more information.

Using a card reader

You can use a CompactFlash memory card reader, such as the SanDisk ImageMate or a PCMCIA adapter, to simplify the process of viewing and saving photo files on your computer. If you have a card reader installed on your computer, connect the card reader to your computer and insert the memory card into the card reader. Then, access your photos on the memory card just as you would access files on a floppy disk. See your card reader's documentation for details.

Card readers can be purchased from **www.hpshopping.com** (selected countries/regions only), or from your local digital camera or electronics store.

Printing photos without a computer

If your printer has a slot for a CompactFlash memory card, like the HP PhotoSmart 1000 and 1200 Series printers do, you can print your photos directly from the memory card. Consult your printer's documentation for details.

JetSending your photos

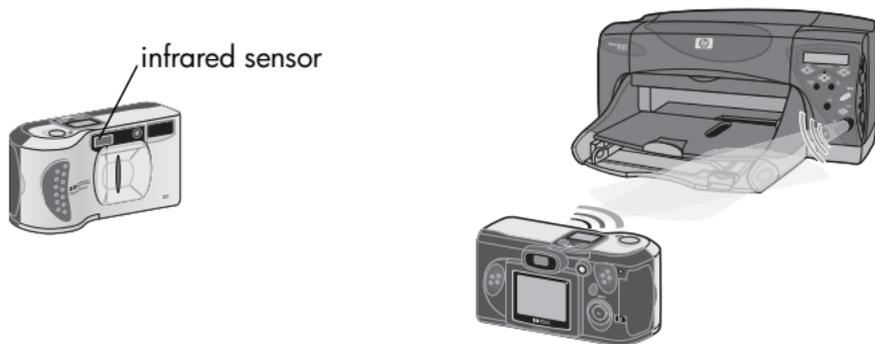
HP JetSend allows for convenient, wireless transfer. You can transfer photos from your camera to any JetSend-receiving printer, such as the HP PhotoSmart 1000 and 1200 Series printers. To determine if a printer can receive JetSend transmissions, see the printer's documentation.

Note: The camera can send, but not receive, photos via JetSend. You can JetSend only one photo at a time.

To JetSend a photo:

1. Make sure the lens cover is closed (the camera is off).
2. Press the **image LCD on/off** button to turn the image LCD on.
3. Use the right or left side of the 5-way controller to scroll to the photo you would like to JetSend.
4. Turn the printer on.

5. Place the camera and the printer 15 centimeters (about 6 inches) apart and aim the camera's infrared sensor at the printer's infrared sensor.



6. Press the **shutter** button all the way down to send the currently displayed photo.

While the connection is being established, the camera's image LCD displays **Looking for JetSend device**. Check the printer for notification that communication has been established.

During the transfer, a progress bar displays on the image LCD. You can cancel the transfer at any time by pressing any button on the camera except the **shutter** button.

Chapter 6: CompactFlash Memory

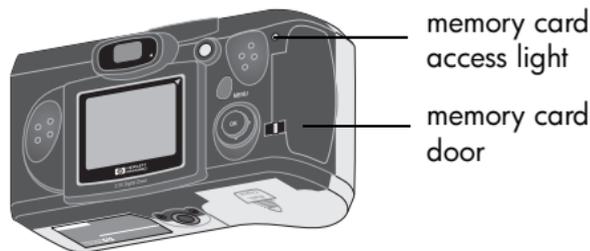
The “film” used in the HP PhotoSmart 315 digital camera is a reusable CompactFlash memory card. The card is more economical than conventional film because you can erase unwanted photos from the card, making space available for new photos. The camera comes with a card already installed. This chapter describes how to check the card status and how to install a new card when you need more storage space.

Use only CompactFlash Association (CFA) certified type 1 memory cards with the HP PhotoSmart 315 digital camera. These cards are manufactured by several vendors and are available in a variety of capacities. You can purchase additional memory cards from **www.hpshopping.com** (selected countries/regions only), or from your local digital camera or electronics store.



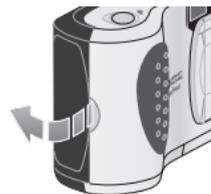
Installing a memory card

1. If you are replacing an existing card with a new one, make sure the memory card access light is off before opening the memory card door.



Caution: Opening the memory card door while the access light is on could damage the existing card or result in lost photos.

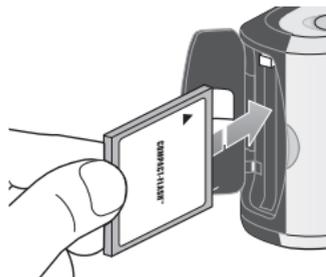
2. Open the memory card door by inserting your thumb in the notch and lifting the door.



3. If you are removing an existing card, rotate the blue card ejection lever up, then push the lever in to eject the card from the slot.



4. Insert the new memory card so that the front of the card faces the front of the camera and the edge with pinholes is placed into the camera first.
5. Gently push the memory card all the way into the camera until it stops. The card ejection lever “pops up” when the card is seated correctly in the slot.
6. Fold the card ejection lever down against the card.
7. Close the memory card door.



Tip: If you cannot close the memory card door, you may not have inserted the memory card correctly. Remove the memory card and try again.

Checking the memory card status

If the memory card is full, damaged, or missing, the numbers “000” blink on the status LCD to indicate you cannot take any more photos. A red light appears to the right of the viewfinder if you press the **shutter** button.

To resume taking photos, try the following:

- Make sure there is a memory card installed in the camera. See “Installing a memory card” on page 68 for instructions on opening the memory card door.
- If you receive the card error indications immediately after installing a new, blank memory card, the card may need to be formatted. See “Formatting a memory card” on page 71.
- If the numbers “000” appear on the status LCD after you have successfully taken and stored numerous photos on the memory card, the memory card is full. Choose a lower photo quality setting so another photo will fit on the card, download photos to your computer and delete them from the card, or replace the card with a new one. See “Changing the photo quality” on page 41, “Downloading photos to a Windows PC” on page 59, “Downloading photos to a Macintosh” on page 63, or “Installing a memory card” on page 68.

- If you receive the card error indications and the card is formatted and is not full, the card may be damaged. Try re-formatting the card, or try a different card. For instructions on formatting a card, see below.

Formatting a memory card

Most CompactFlash memory cards are already formatted when you buy them. However, if you buy a memory card that has not been formatted, you need to format it before you can use it in the camera. If you insert a new, formatted card in the camera and it doesn't work, try re-formatting it—it may have been formatted improperly. Also re-format cards that you previously used in a different camera, to optimize them for use with the HP PhotoSmart 315 digital camera.

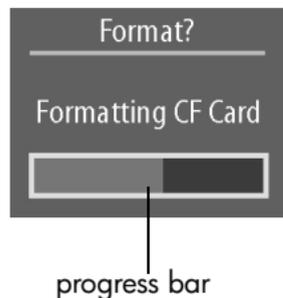
Note: You can reuse a memory card that is full by formatting it. This erases all photos from the card. You can also use the **Erase** menu to delete one or all photos from a memory card. See “Erasing your photos” on page 31 for details.

To format a memory card:

Caution: Formatting erases everything stored on the memory card, including locked photos and files from other devices such as pocket PCs. Make sure you are formatting the right card! If you're not sure, check the contents of the card before formatting.

1. Insert the memory card into the camera (see “Installing a memory card” on page 68).
2. Press the **image LCD on/off** button to turn the image LCD on.
3. Press the **menu** button.
4. Use the right or left side of the 5-way controller to scroll to the **Setup** menu, then press **OK**.
5. Use the up or down side of the 5-way controller to scroll to **Format CF**.
6. Use the right or left side of the 5-way controller to select **Yes**, then press **OK**.
7. To confirm, use the right or left side of the 5-way controller to select **Yes**, then press **OK**.

A progress bar appears on the image LCD to indicate that the camera is formatting the memory card. To avoid damaging the card, do not open the memory card door while the card is being formatted.



Chapter 7: Powering Your Camera

The HP PhotoSmart 315 digital camera can be powered by batteries or an HP-approved AC power adapter. For convenience, use the batteries when you are taking photos. To preserve battery power, use an AC adapter (purchase separately) when you are reviewing photos on the image LCD for an extended period of time, or when you are transferring photos from the camera to your computer.

Determining if the batteries need to be changed

The battery icon on the status LCD indicates the charge level of the batteries. There are three levels of battery charge: full, partially-charged, and empty.



Full



Partially-charged



Empty

If the battery icon shows that the batteries are empty, it is time to replace the batteries.

Note: When the Empty battery icon on the status LCD begins flashing and the camera beeps repeatedly, the power is about to shut off. You need to replace the batteries before you can take another photo.

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

- How often and how long you use the image LCD.
- How often you use the flash.
- The number of photos you take.
- Temperature conditions (operating the camera at colder temperatures results in shorter battery life).

To extend battery life:

- When using the camera with a computer or when using the image LCD for extended periods of time, use an AC power adapter that HP has approved for use with the HP PhotoSmart 315 digital camera. For more information, see “Using an AC power adapter” on page 77.
- Limit your use of the image LCD, except when using an AC power adapter.
- Turn off Instant Review. Since Instant Review turns on the image LCD automatically each time you take a photo, it uses a significant amount of battery power. For instructions on turning it off, see “Setting Instant Review” on page 48.

- Try “ultra-” or “premium-” grade alkaline, lithium, or rechargeable Ni-Cd or Ni-MH batteries, available from various battery manufacturers.
- If you are using rechargeable batteries, be sure you fully drain and recharge the batteries according to the manufacturer’s instructions.

Replacing batteries

The camera uses four AA batteries. You can use lithium or alkaline AA batteries, or rechargeable Ni-Cd or Ni-MH AA batteries. You can purchase additional batteries from your local camera or electronics store.

Note: If you choose to use rechargeable batteries, you will need to recharge them in a separate device, outside the camera. The batteries do not recharge in the camera when you connect an AC adapter.

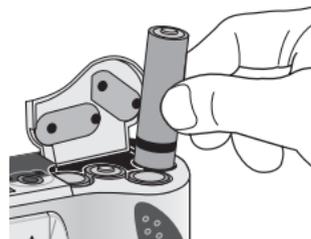
To insert new batteries:

1. Make sure the lens cover is closed (the camera is off).
2. To open the battery compartment, slide the battery compartment cover in the direction of the arrow, and then lift it.



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

Caution: Replace all the batteries at the same time. Do not replace the batteries individually or use batteries of different types. Always follow instructions on the battery package when handling or disposing of batteries.



4. Close the battery compartment cover by sliding it into place and then clicking it shut.

Using an AC power adapter

To extend the life of your batteries, use an AC power adapter as your power source when connecting your camera to a computer or when using the image LCD for an extended period.

Only use an AC power adapter that HP has approved for use with the HP PhotoSmart 315 digital camera. Use of any other adapter will void your warranty and may damage your camera.

AC power adapters are available at **www.hpshopping.com** (selected countries/regions only). For AC adapter specifications, see HP's PhotoSmart Web site at

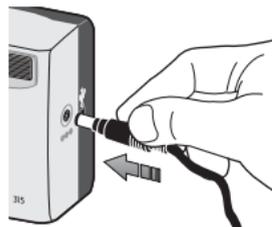
www.hp.com/photosmart and click **technical support**.

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

To connect an AC power adapter:

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

Note: If you want to use battery power, remove the AC adapter from the power source and the camera. If the AC adapter is connected to the camera, even if it is not connected to a power source, the camera will not use battery power.



Chapter 8: Troubleshooting

Problems and solutions

If you have a problem using your HP PhotoSmart 315 digital camera, review this section first. If you cannot find the solution to your problem here, see “Getting assistance” on page 88 for information on contacting HP Customer Care.

Problem	Possible cause	Solution
The image LCD display is too bright or too dim.	The LCD brightness setting is too low or high for the ambient light.	Adjust the LCD brightness setting (see “Setting the image LCD brightness” on page 50).
The wrong date and/or time is displayed.	The batteries were dead or were removed from the camera for more than 15 minutes.	Replace the batteries (see “Replacing batteries” on page 75) and then reset the date and time using the camera menus (see “Setting the date and time” on page 51). To avoid losing date and time information, replace low batteries promptly.

Problem	Possible cause	Solution
<p>The camera does not respond when I press a button.</p> <p>—Continued (next page)—</p>	<p>The camera is off.</p>	<p>Slide the lens cover open to turn the camera on (if you want to take a photo) or turn on the image LCD (if you want to review your photos).</p>
	<p>The camera is connected to a computer.</p>	<p>If the status LCD displays the letters PC, the camera buttons do not respond.</p>
	<p>The batteries are empty.</p>	<p>Replace the batteries (see “Replacing batteries” on page 75).</p>
	<p>You have an AC power adapter connected to the camera, but not connected to a power source.</p>	<p>When you have an AC adapter connected to the camera, the camera will not use battery power even if the adapter is not connected to a power source. If you want to use battery power, disconnect the AC adapter. If you want to use AC power, connect the AC adapter to a working electrical outlet.</p>

Problem	Possible cause	Solution
	<p>The camera needs to be reset.</p>	<p>Turn the camera off and then on again (slide the lens cover closed and then open).</p> <p>Remove the batteries and reinstall them. If you are using an AC power adapter, unplug the adapter from the camera, remove and reinstall the batteries, and then plug the adapter in.</p>
I can't erase a photo.	<p>The photo is locked.</p>	<p>Unlock the photo (see "Locking your photos" on page 33).</p>
When I connect the camera to my computer, the software says it can't find the camera.	<p>The camera is turned off.</p> <p>The USB cable is not connected correctly.</p> <p>The camera is connected to the computer via a USB hub and your USB hub is not compatible with the camera.</p>	<p>Slide the lens cover open to turn the camera on.</p> <p>Check to make sure that the USB cable is firmly connected at both ends.</p> <p>Connect the camera directly to a USB port on the computer.</p>

Problem	Possible cause	Solution
<p>I have to replace the camera batteries frequently.</p>	<p>Extended use of the image LCD consumes battery power. Downloading photos to your computer can also consume a lot of battery power.</p> <p>The camera turns on and consumes battery power while you carry it loose in a purse or backpack.</p>	<p>To extend the life of your batteries:</p> <ul style="list-style-type: none"> • Always use an AC adapter to power the camera when you are using the image LCD for an extended period of time and when you are downloading photos to your computer (see “Using an AC power adapter” on page 77). • Limit your use of the image LCD. • Turn off Instant Review (see “Setting Instant Review” on page 48). • Purchase higher-grade batteries, such as “ultra-” or “premium-” grade alkaline or lithium batteries. Or, switch to rechargeable Ni-Cd or Ni-MH batteries. These batteries are available from various battery manufacturers. <p>Always carry the camera securely in a case.</p>

Problem	Possible cause	Solution
<p>When I press the shutter button 1/2 way down, a blinking green light appears next to the viewfinder.</p> <p>—Continued (next page)—</p>	<p>The camera cannot find a focus because you are too close to the subject.</p> <p>The camera cannot find a focus because the subject does not provide enough contrast for the Auto Focus system.</p>	<p>The camera's Auto Focus range is 30 cm (11.8 in.) to infinity and focuses on the object in the center of the frame. Make sure you are not too close to the subject and that you have placed the subject in the middle of the frame.</p> <p>Try a different angle or change the lighting on your subject. You can also try setting the camera's Auto Focus using a different subject. First, frame a subject that is the same distance from the lens as your desired subject and has the same lighting conditions, then press the shutter button 1/2 way down. Next, keeping the shutter button pressed 1/2 way down, frame your desired subject and then press the shutter button all the way down.</p>

Problem	Possible cause	Solution
	<p>There is not enough light to illuminate your subject.</p>	<p>Wait for lighting conditions to improve or turn on the lights in the room. Or, set the camera's Auto Exposure using a different subject that is illuminated more clearly and is the same distance away. Follow the same procedure detailed above for setting the camera's Auto Focus using a different subject.</p>
<p>When I press the shutter button, a red light appears next to the viewfinder.</p> <p>—Continued (next page)—</p>	<p>The camera is still saving the last photo you took.</p> <p>The memory card has insufficient space for the picture. (The status LCD shows "000" photos remaining.)</p>	<p>Wait a few seconds for the camera to finish processing the photo, then press the shutter button 1/2 way down. When a steady green light appears next to the viewfinder, the camera is ready to take another photo.</p> <p>Install a new memory card, make room on the current card by deleting or downloading photos, or select a lower photo quality setting. See "Installing a memory card" on page 68, "Erasing your photos" on page 31, "Downloading photos to a Windows PC" on page 59, "Downloading photos to a Macintosh" on page 63, or "Changing the photo quality" on page 41.</p>

Problem	Possible cause	Solution
	The memory card is damaged or is not formatted.	Format the memory card or replace it with a new, formatted card.
	The flash is recharging.	Wait until the flash icon on the status LCD stops blinking before taking another flash photo.
	The camera is connected to a computer. (The letters "PC" appear on the status LCD.)	If the camera is connected to a computer, the camera buttons do not respond. To take a photo, disconnect the camera from the computer.

Problem	Possible cause	Solution
<p>My photo is blurry.</p>	<p>Your subject was too close to the camera lens.</p>	<p>The camera's Auto Focus range is 30cm (11.8 in.) from the front of the lens to infinity. For a clear, sharp image, make sure your subject is within this range.</p>
	<p>The subject wasn't centered in the frame, or the subject did not provide enough contrast for the camera to focus properly.</p>	<p>If you do not want your subject in the middle of the photo, or if the subject lacks contrast, set the camera's Auto Focus using a different subject. To set the Auto Focus using a different subject, follow these steps:</p> <ol style="list-style-type: none"> 1. Frame a subject that is the same distance from the lens as your subject and press the shutter button 1/2 way down. 2. Keeping the shutter button pressed 1/2 way down, frame your subject and then press the shutter button all the way down.
	<p>The subject moved while you took the photo.</p>	<p>For sharp focus, ask the subject to stay still.</p>
	<p>You moved the camera while you took the photo.</p>	<p>Hold the camera steady as you press the shutter button, or use a tripod.</p>

Problem	Possible cause	Solution
<p>My photo is too dark.</p>	<p>There was not enough light.</p>	<p>Wait for natural lighting conditions to improve or use the flash to illuminate your subject (see “Using the flash” on page 39).</p>
	<p>The flash was on, but the subject was too far away.</p>	<p>The flash can only illuminate objects that are within 3m (about 9 1/2 ft.) of the camera. Make sure your subject is within range of the flash when you take the photo.</p>
	<p>Your finger blocked the flash.</p>	<p>Be sure to move your fingers away from the flash when you are ready to take a photo.</p>
<p>My photo is too bright.</p>	<p>The flash provided too much light.</p>	<p>Change the flash setting to Auto or Off (see “Using the flash” on page 39).</p>
	<p>There was too much light provided by a natural or artificial source other than the flash.</p>	<p>Try taking the photo from a different angle. Avoid pointing the camera directly toward a bright light or reflective surface on a sunny day. Use the On flash setting if there is light behind your subject.</p>
	<p>You were too close to the subject to use the flash.</p>	<p>Move back from the subject or set the flash to Off and take the photo again.</p>

Getting assistance

To help ensure trouble-free performance, your HP PhotoSmart 315 digital camera comes with award-winning HP Customer Care. Whether you have a question or a request for repair, HP Customer Care makes it fast and easy to get the assistance you need.



Help us help you better

If you encounter a problem or question, we'd like to ask you to do a few things before you call. Please take a minute to walk through the steps below before you contact HP. It will help us make your support experience the best it can be!

1. Record your HP product model number, serial number, and purchase date below. Your HP Customer Care service technician will need this information.

Model No.: 315

Serial No.: _____ (on the bottom of the camera)

Purchase Date: _____

2. Consult the Problems and Solutions section of this guide. There, we outline corrective steps that solve most problems you might have while operating your camera.

3. If possible, visit one of our HP Customer Care Web sites. Most of the answers you need are as close as your computer screen! See “Using HP Customer Care online resources” below for specific information on how to connect.
4. Organize your questions and note error messages, if any, that are displayed on the status LCD. The more complete a picture you can provide, the faster we can help.

Using HP Customer Care online resources

Click your way to a great solution! The HP PhotoSmart Web site, **www.hp.com/photosmart**, is a great place to start for answers to questions about your HP products. You'll get instant access to helpful tips and tricks, downloadable drivers, and the latest product and software updates—24 hours a day, 7 days a week. All at no charge to you.

You can also visit the HP Customer Care Community Forums and support site at **www.hp.com/go/support**. Here you can share in the great ideas and smart suggestions HP service technicians and fellow users offer. If you can't find the answer you're looking for, post your own question, then check back later for ideas and suggestions.

Contacting HP Customer Care by phone

Like most HP customers, you'll probably never need to call us. But if you do, you'll be connected to a service technician who specializes in your product and can help you find the answers you need.

See the list below for the **HP Customer Care Center** phone number in your country/region.

Australia	+ 61 3 8877 8000	Hungary	+36 (0)1 382 1111
Austria	+ 43 (0)7114 201080	Ireland	+ 353 (0)1 662 5525
Belgium (Dutch)	+ 32 (0)2 626 8806	Italy	+ 39 02 264 10350
Belgium (French)	+ 32 (0)2 626 8807	Japan	03 3335 8333
Canada	905-206-4663	Korea (Seoul)	+82 (2) 3270 0700
Czech Republic	+ 42 (0)2 61 30 73 10	Korea (outside Seoul)	080-999-0700
Denmark	+ 45 39 29 4099	Malaysia	+60 (3) 295 2566
Finland	+ 358 (0)203 47 288	Malaysia (Penang)	1 300 88 00 28
France	+ 33 (0)1 43 62 34 34	Netherlands	+ 31 (0)20 606 8751
Germany	+ 49 (0)1 8052 58 143 (DM 0.24/minute)	New Zealand	+64 (9) 356 6640
Greece	+ 30 (0)1 619 64 11	Norway	+ 47 22 11 6299
Hong Kong	800 96 7729	Portugal	+ 351 21 3176333

Russia (Moscow)	+ 7 095 797 3520
Russia (St. Petersburg)	+7 812 346 7997
Singapore	+65 272 5300
Spain	+ 34 902 321 123

Sweden	+ 46 (0)8 619 2170
Switzerland	+ 41 (0)848 80 11 11
Taiwan	+66 (2) 661 4000
United Kingdom	+ 44 (0)207 512 52 02
U.S.	208-376-3686

For support numbers in other countries/regions, contact your local HP office.

ArcSoft support

For help with your ArcSoft PhotoImpression Software, visit the ArcSoft Web site at **www.arcsoft.com**. The Web site offers an online manual for the software, answers to commonly asked questions, troubleshooting tips, and ideas. You can also email a technician for assistance at **support@arcsoft.com** or call 510-440-9901 (Monday through Friday, 8:30 a.m. to 5:30 p.m, Pacific time).

Chapter 9: Care and Safety

Caring for your camera and accessories

Camera

- Keeping the lens clean will help you to take sharp, clear photos with the best possible focus. Use a dry, soft, lint-free cloth to gently wipe the lens and status and image LCDs to clean off any fingerprints and dust.
- Wipe the outside surfaces of the camera with a clean, dry cloth. Never use a rough cloth or abrasive cleaners, which can scratch the camera.
- Do not leave the camera in the sun or in a very warm location (glove compartment, trunk, etc.) for long periods.
- If you move the camera from a cold to a warm location or vice versa, always allow the camera several minutes to adjust to the current ambient temperature before you use it.

AC power adapter

- Use only an AC power adapter that HP has approved for use with the HP PhotoSmart 315 digital camera. Use of any other adapter will void your warranty and may damage your camera.

Batteries

- Replace all the batteries at the same time. Do not replace the batteries individually.
- Only use batteries that are in good condition. Batteries that show signs of leakage, corrosion or swelling should not be installed in the camera.

Memory cards

- To avoid erasing data from a memory card or damaging it, do not expose memory cards to heat, moisture, or static electricity.

Safety precautions

- To avoid the risk of electric shock, do not open the camera case or attempt to repair the camera yourself. Contact an authorized HP Service Center for repairs. See “Getting assistance” on page 88.
- Keep the camera dry. Exposing the camera to excessive moisture may cause malfunction.
- If moisture gets inside the camera, stop using the camera immediately. Allow the camera to air dry completely before operating it again.
- When disposing of batteries, follow the battery manufacturer’s disposal instructions or the guidelines recommended for your area. Do not incinerate or puncture batteries.

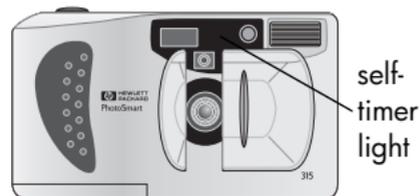
Appendix A: Reference

Icons

Icon	Meaning
	Batteries full
	Batteries partially-charged
	Batteries empty
	Automatic flash on
	Flash off
	Flash on

Icon	Meaning
	Automatic flash with red-eye reduction on
	Basic photo quality
	Fine photo quality
	Super-fine photo quality
	Photo included in DPOF file
	Photo locked (cannot be erased unless memory card is re-formatted)
	Self-timer on

Camera indicator lights



Indicator light	State	Meaning
Viewfinder	Green – steady	The camera has achieved the best focus and exposure and is ready to take a photo.
	Green – blinking	The camera cannot find a focus or there is not enough light to take the photo.
	Red – steady	The camera cannot take a photo for one of the following reasons: <ul style="list-style-type: none"> • the flash is re-charging • the last photo is still being processed • the memory card is full, damaged, unformatted, or missing

Indicator light	State	Meaning
Memory card access	On	The camera is accessing the memory card—do not open the memory card door.
	Off	You can open the memory card door.
Self-timer	Red – blinking	The self-timer is counting down 10 seconds and will then take the photo.

Error messages

If an error message displays on the status LCD, consult the list below for corrective actions to take.

Message	Indicates	What you should do
Err	A camera operating error	Reset the camera. (See page 81.) If the error still occurs, contact HP Customer Care. See “Getting assistance” on page 88.
000	A memory card error or the memory card is full	See “Checking the memory card status” on page 70 for troubleshooting assistance.

Camera specifications

Sensor	2.1 megapixels, 1/2.7" CCD
Color depth	30-bit
Resolution	2.1 megapixels (Super-fine and Fine photo quality settings: 1200 x 1600 pixels; Basic photo quality setting: 640 x 480 pixels)
Memory card	CompactFlash Type I; all storage sizes supported (8MB card supplied)
Lens system	6-element lens; F2.8; TTL auto focus; 5.8mm (equivalent to a 38mm lens on a 35mm conventional film camera)
Zoom	1.5x, 2x, 2.5x digital zoom
Shooting modes	Single shot
Exposure control	Auto exposure
Aperture	f/2.8, f/3.9, f/5.6, f/9.8
Shutter speed	1/750 to 2 seconds
Focus	TTL auto focus; 30cm (11.8 in.) to infinity
Sensitivity	ISO 100
White balance	Auto
Self-timer	10 second delay

Viewfinder	Optical viewfinder
Flash	Built-in flash with range up to 3 meters (9.8 ft.); modes: auto, auto with red-eye reduction, on, off
LCD	1.8 inch color LCD with 72K pixels (312x230); 4x playback magnification
Power	4 AA batteries (included) or optional AC adapter
Interfaces	USB, JetSend infrared
Dimensions	128 x 86 x 33mm; 5 x 2.7 x 1.3 in.
Weight	227g (8 oz.) without batteries

Appendix B: Regulatory and Warranty Information

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.

This product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities.

Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la Class B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Japan

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると受信障害を引き起こすことがあります。

取り扱い説明書に従って正しい取り扱いをして下さい。

Korea

사용자 안내문 (B급 기기)

이 기기는 비업무무용으로 전자파장애검정을 받은 기기로서, 주거지역은 물론 모든 지역에서 사용할 수 있습니다.

Hewlett-Packard limited warranty statement

HP Product	Duration of Limited Warranty
HP Photo Imaging Software	90 days
HP PhotoSmart 315 digital camera	1 year
CompactFlash memory card	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. 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.

5. 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.
6. HP shall have no obligation to repair, replace, or refund until the customer returns the defective product to HP.
7. 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.'
8. HP products may contain remanufactured parts, components, or materials equivalent to new in performance.
9. 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 authorized 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 year 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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