



iX5038

USER MANUAL



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Questions? Need some help?
This manual will help you
enjoy your new product



If you still have questions,
call our help line:
877-408-0033



or visit us at:
www.polaroid.com

Let's Get Started▶

Table of Contents

Introduction	3
What's Included	3
Parts of the Camera	4
PARTS OF THE CAMERA - LIST	4
MULTI-FUNCTIONAL BUTTONS	5
Initial Camera Setup	6
INSTALLING THE BATTERIES.....	7
INSTALLING THE SD MEMORY CARD.....	8
POWER ON.....	9
ATTACHING THE STRAP	9
Main Camera Modes	10
Camera Technical Specifications	11
Computer System Requirements	12
WINDOWS OS.....	12
MACINTOSH OS	12
Powering the Camera On/Off	13
POWERING THE CAMERA ON	13
POWERING THE CAMERA OFF	13
AUTO POWER OFF – POWER SAVING	13
Changing Camera Mode	14
PHOTO CAPTURE MODE	14
VIDEO CAPTURE MODE	15
PLAYBACK MODE	15
Navigating the Menus	16
Selecting the Shooting Mode	17
APERTURE PRIORITY MODE	18
SHUTTER PRIORITY MODE	18
MANUAL MODE	18
CONTINUOUS SHOOTING MODE.....	19
SETTING THE SCENE MODE.....	19
Camera Feature: INSTA Share	21
INSTA SHARE: PHOTO OR VIDEO CAPTURE MODE	21
INSTA SHARE: PLAYBACK MODE.....	21
Photo Capture Mode	22
CAPTURING YOUR PHOTO.....	22

LCD ICONS AND DESCRIPTION	23
LCD DISPLAY	24
PHOTO CAPTURE MODE QUICK FUNCTION BUTTONS	24
FLASH MODE	28
FOCUS MODE.....	30
PHOTO CAPTURE MODE MENUS.....	30
Video Capture Mode.....	38
CAPTURING YOUR VIDEO	38
LCD ICONS AND DESCRIPTION	39
VIDEO CAPTURE MODE QUICK FUNCTION BUTTONS	40
VIDEO CAPTURE MODE MENUS.....	41
Playback Mode.....	43
LCD ICONS AND DESCRIPTION	43
SELECTING AND VIEWING PHOTOS AND VIDEOS	44
PLAYBACK MODE MENU OPTIONS.....	46
Camera Settings.....	54
Installing the Software.....	56
Connecting the Camera to the Computer.....	57
Getting Photos and Videos from the Camera to the Computer.....	57
Get Started!.....	58
Transferring Images from the Camera to the Computer Manually.....	59
TRANSFERRING PHOTOS AND VIDEOS: WINDOWS OS	59
TRANSFERRING PHOTOS AND VIDEOS: MACINTOSH OS.....	59
TRANSFERRING PHOTOS AND VIDEOS: APPLE IPAD	60
Connecting the Camera to an HDTV	61
Camera Maintenance	61
Warranty Card.....	62
WHAT IS NOT COVERED BY WARRANTY.....	62
TO OBTAIN WARRANTY SERVICE AND TROUBLESHOOTING INFORMATION:	62
Technical Support.....	64
Troubleshooting.....	64
E-Waste / FCC Declaration	65

Introduction

Thank you for purchasing this digital camera. Everything you need to take quality digital photos and videos is included with your digital camera.

Polaroid makes capturing those special moments as easy as possible.

Please read this manual carefully first in order to get the most out of your digital camera.

Note:

- Your camera needs an SD Memory card (up to 32GB) for normal use.
You must use only a Class 4 ④ SDHC Memory card or higher.
SD Memory cards are not included and need to be purchased separately.
- This camera is a Plug and Play device. You can download the pictures and videos captured by your camera without the software by directly accessing the camera's memory card from your computer. It is recommended however that you install the Polaroid Instant Memories Software to enjoy the full Polaroid experience.

What's Included

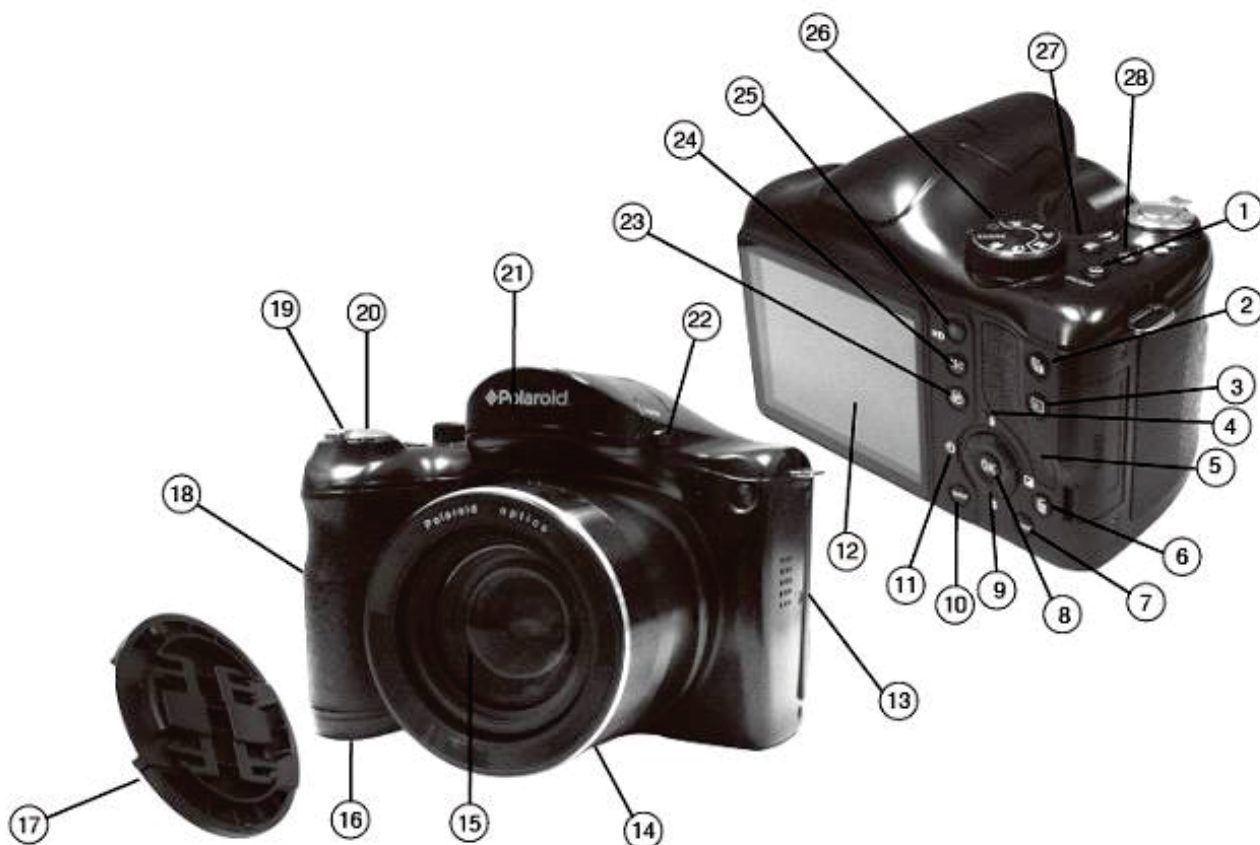
- 1) Digital Camera
- 2) USB Cable
- 3) Polaroid Instant Memories Software Installation CD
- 4) Shoulder Camera Strap



Note: SD Memory Card and batteries not included.

Parts of the Camera


Parts of the Camera - List





- | | | |
|--------------------------|------------------------------|----------------------------------|
| 1. Power ON/OFF Button | 11. Self Timer/Left Button | 20. Shutter Button |
| 2. Insta-Share Button | 12. LCD Screen | 21. Flash Light |
| 3. Playback Button | 13. USB / HDMI Port | 22. Manual Flash Open Button |
| 4. Flash/Up Button | 14. Tripod Socket | 23. Special Color Effects Button |
| 5. Exposure/Right Button | 15. Optical Zoom Lens | 24. ISO Button |
| 6. Delete Button | 16. Battery Compartment | 25. Video Record Button |
| 7. Menu Button | 17. Lens Cover | 26. Mode Dial |
| 8. OK Button | 18. SD Memory Card Slot | 27. Face Detect Button |
| 9. Macro/Down Button | 19. Zoom In (T)/Zoom Out (W) | 28. Anti-Shake Button |
| 10. Display Button | | |


Multi-Functional Buttons

You can choose camera settings by pressing the 4-way control or OK.

- 1)  **Left/Self –Timer Button:**
 - Scrolls left in menus.
 - Toggles through the 4 self-timer options.

- 2)  **Up/Flash Button:**
 - Scrolls up in menus.
 - Toggle through the flash options.

- 3)  **Right/Exposure Button:**
 - Scrolls right in menus.
 - Selects an EV value.

- 4)  **Down/Focus Button:**
 - Scrolls down in menus.
 - Toggles between different focus modes.

- 5) **OK Button:**

Confirms a chosen setting.



Initial Camera Setup

Installing the Batteries

Open the battery compartment:



Insert 4XAA (1.5V) batteries:




Turning On the Camera



Installing Memory Card

SD Memory card (up to 32GB) needed for normal use.

IMPORTANT: You must use only a Class 4  SD card or higher.



Using the Camera



Hold the camera securely.



Press the Zoom wheel on either the Tele or Wide position of the camera to zoom in or out of your subject while taking pictures.



Lightly press the shutter button halfway to focus on the subject then press the button fully to take the picture.

Installing the Batteries

- 1) Use only the specified batteries for the camera.

Use 4 x AA (1.5V) batteries. Alkaline batteries are recommended. Batteries not included.

Note: When replacing batteries, always power off the camera before removing the batteries.

- 2) Push the clip in the direction of the arrow shown on the clip and then slide the battery cover to the right to release and open it.







- 3) Make sure the batteries have been inserted properly into your digital camera, according to the polarity shown inside the battery compartment.



- 4) Close the battery compartment cover and then slide the clip to securely lock the cover in place.

Note:

- Remove the batteries from the camera when not in use for an extended period.
- Do not mix alkaline and non-alkaline batteries.
- Rechargeable batteries not recommended.
- Some features, such as Flash, will not work if the battery power level is low.
- When the battery power is low the battery icon turns red and the camera will automatically turn off a few seconds later.
- Battery Status:

Icon	Description
	Battery power is full.
	Battery power remains adequate.
	Battery power is low.
	Battery power is very low. You should replace the batteries ASAP.

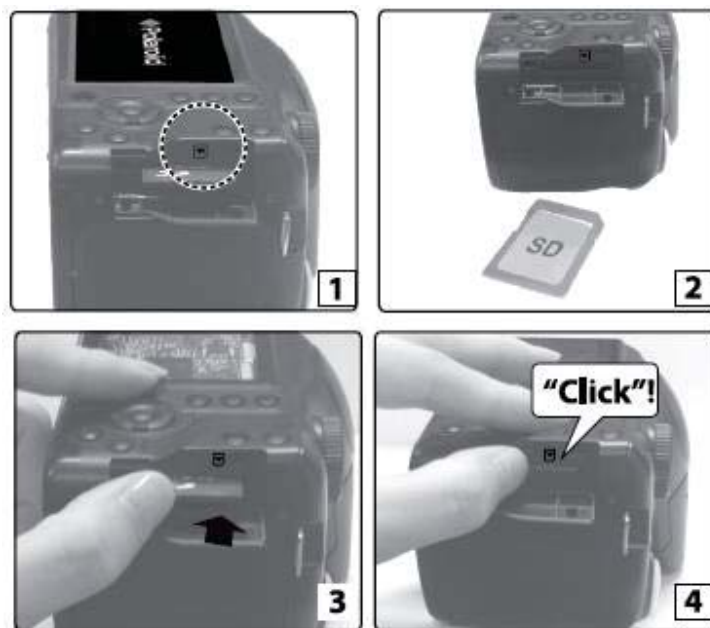
Installing the SD Memory Card

Make sure an SD Memory Card has been properly inserted into your camera.

IMPORTANT: You must use only a Class 4  SD card or higher. SD Memory card not included.

To properly install the SD Memory Card:

- 1) Open the SD Memory Card cover on the side of the camera to reveal the SD Memory Card slot.
- 2) Insert the SD card into the SD Card slot. The proper direction to install the SD Card is shown on the SD icon by the SD card slot. See images 1 and 2 below for reference.
- 3) Push the SD card until you hear a 'click' sound. This indicates the SD card has been inserted correctly. See images 3 and 4 below for reference.
- 4) Close the SD Memory Card cover.

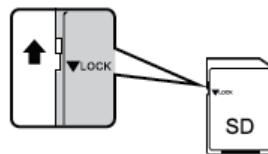


To remove the SD Memory Card:

- 1) Make sure the camera is powered off.
- 2) Open the SD Memory Card cover on the side of the camera to reveal the SD Memory Card slot.
- 3) Lightly press the edge of the SD Memory Card to eject (a 'click' sound will be heard) and then remove the card.
- 4) Close the SD Memory Card cover.

Note:

- After the SD Memory card is installed and the camera is powered on, an SD icon will appear on the LCD display. If you do not see the SD icon on the display, please check if the card was inserted properly.
- Make sure the SD card is not locked (check the lock switch on the side of the SD card). If the SD card is locked this will prevent the camera from saving captured photos to the SD card.



Power On

Press the  **Power** or  **Playback** button to turn on the camera.

Attaching the Strap

To the neck straps to your camera, please follow the instructions below:

- 1) Insert one end of the neck strap through the strap eyelet.
- 2) Route it through the buckle as the inner loop.
- 3) Route the other end of the neck strap to the other strap buckle to secure it.

Follow the above steps to attach the other side of the neck strap.

- 4) Insert one end of the lens strap through the strap eyelet.
- 5) Make a loop to secure it.
- 6) Attach the other end of the lens strap on the lens cover.
- 7) Once complete, make sure the straps are tight.



Congratulations! Your camera is now ready to use.

Main Camera Modes

Your digital camera has different modes for the various camera functions.



Photo Capture Mode

Use this mode to capture pictures with your digital camera. To take a picture, aim your camera as desired and press the **Shutter** button halfway to focus, then press the **Shutter** button fully to capture the image.



The picture is automatically saved to your camera's memory card.

To access the various menus for the Photo Capture Mode, press the **Menu** button while in the Photo Capture Mode.



Video Capture Mode

Use this mode to capture videos with your digital camera.


Press the  **HD** button or turn the **Mode Dial** to  **Video**. To take a video, aim your camera as desired and press the **Shutter** button to start recording. A blinking, red record indicator appears on the LCD screen while record is in progress. To stop recording, press the **Shutter** button again. The video is automatically saved to your camera's memory card.

To access the various menus for the Video Capture Mode, press the **Menu** button while in the Video Capture Mode.



Playback Mode (Photos & Videos)

Use this mode to view and manage the photos and videos on your digital camera.

After turning on your camera, press the  **Playback** button to open the Playback Mode for photos and videos. You can scroll through the photos and videos that you've previously taken to view, edit or delete them as desired.

To access the various menus for the Playback Mode for photos and videos, press the **Menu** button while in the Playback Mode.

Camera Technical Specifications

Image Sensor	CMOS Sensor
Image Resolution	5152x3864 (20 MP), 4896x3672 (18MP), 4608x3456 (16MP), 4288x3216 (14MP), 4000x3000 (12MP), 3648x2736 (10MP), 3264x2448 (8MP), 3648x2056 (7M HD), 2592x1944 (5M), 2048x1536 (3M), 1920x1080 (2M HD), 640x480(VGA)
Video Resolution	1280x720 (HD), 640x480 (VGA), 320x240 (QVGA)
File Format	Still Image: JPEG ; Video: AVI
Internal Memory	128MB DDR2 (Buffer) – enough for Test Photos. Number of photos vary according to selected Image Size setting: VGA -111 photos, 2MP-28 photos, 3MP-19 photos, 5MP – 12 photos
External Memory	Up to 32GB, Class 4 SD card or higher is required
LCD Display	3.0 Inch TFT
Lens	f=28mm-1400mm
Zoom	Optical 50x Zoom
Light Exposure	-2.0 ~ +2.0 EV
White Balance	Auto, Daylight, Cloudy, Tungsten, Fluorescent H, Fluorescent L, Custom
ISO	Auto, 50,100, 200, 400,800,1600
Scene	Scenery, Backlight, Night Scenery, Building, Kids, Night Portrait, Food, Text, Snow, Fireworks, Sunset
Flash	No Flash, Forced On, Auto Flash, Red Eye Reduction
Self-Timer	2, 5 or 10 second delay
Multi Snapshot (Burst)	Yes
Face Detect	Yes
Blink Detect	Yes
Print Photos	Yes
Microphone	Yes
Speaker	Yes
Macro	Yes
Language	English, French, Spanish, Portuguese, German, Russian, Italian, Polish, Greek
Interface	USB 2.0
System Requirements	MICROSOFT® Windows XP (SP 3), Vista (SP1) and 7 or above ; MAC OSX v10.5.x and above
Power Source: Batteries	4xAA (1.5V)
Working Temperature	0~40°C

Computer System Requirements

To be able to download photos and videos to your computer using the Polaroid Instant Memories Software, you will need the following minimum configuration:

WINDOWS OS

- MICROSOFT® Windows XP with Service Pack 3, Windows Vista with Service Pack 1 or MICROSOFT® Windows 7 or above
- Pentium® 4 processor (or above)
- 1 GB RAM, 250 MB available hard disk space
- 16-bit Color monitor, 1024 X 768 recommended screen resolution
- CD-ROM Drive
- QuickTime® 6 or higher
- MICROSOFT® Internet Explorer 7 or higher
- Windows Media Player 10 or higher
- DirectX 9 or higher
- Internet connection required

MACINTOSH OS

- Intel Processor running MACINTOSH OS X v10.5.x or later
- 1 GB RAM, 250 MB available hard disk space
- Display: 1024 x 768 or higher-resolution monitor
- QuickTime® 6 or higher
- CD-ROM Drive
- Internet connection required

Note: Make sure the latest compatible Adobe® Flash® Player is installed on your computer.

Powering the Camera On/Off

- Make sure the batteries have been inserted properly into your digital camera.
- Make sure an SD card has been inserted into your camera.
SD card up to 32GB - SD Card not included. Class 4 or higher is required.
Please see [Initial Camera Setup](#) for more information.

Powering the Camera ON

There are two ways to turn on the camera:

- 1) Press the **⏻ Power** button.
 - 2) Press the **▶ Playback** button.
- Be sure that you have removed the lens cover before using the camera.
 - After powering on, the camera emits a sound and the LED light turns on briefly.
 - The LCD screen turns on with your camera in the selected Mode to start.
 - The icons that appear on the LCD screen are the best default settings so that you can begin to capture and enjoy clear quality photos and videos.

Powering the Camera OFF

While the camera is on, you can press the **⏻ Power** button again at any point to turn your camera OFF.

Auto Power Off – Power Saving

Your digital camera also has an Auto Power Off feature that automatically turns off your camera after a specific period of time that your camera is left idle. The Auto Power Off settings can be set from the 'Auto Power Off' Camera Settings menu option.

Note: Thirty seconds prior to the camera powering off automatically, the camera emits continuous warning beeps and a message appears on the LCD screen notifying you that the camera is in the process of turning off. If you would like to stop the automatic powering off and continue using the camera, press the **Shutter** button.

Changing Camera Mode

The procedure below is a general guideline for basic operation. It is particularly useful if you are new to the camera.

Your camera has three main modes:

- 1) **Photo Capture Mode** - Use this mode to capture photos with your camera.
- 2) **Video Capture Mode** - Use this mode to capture videos with your camera.
- 3) **Playback Mode (for photos and videos)** - Use this mode to view the photos and videos you have already taken with your camera.

Photo Capture Mode






When in Photo Capture Mode, the camera icon or selected scene mode icon displays on the top-left corner of the LCD display.

- 1) Set the **Mode Dial** to the desired photo shooting mode.
- 2) If you need to use the flash for shooting, press the Flash button to open the Flash.
- 3) Use the **Zoom lever** to zoom-in/zoom-out on the subject.
- 4) Press the **Shutter** button halfway to set the automatic focus.
- 5) Once the focus is set, the focus frame color will turn from red (unfocused) to green (focused). **Note:** If the focus frame color is red and you press the **Shutter** button down, it might result in a blurred photo.
- 6) Press the **Shutter** button down fully to capture the image.

Video Capture Mode





When in Video Capture Mode, the video icon displays on the top-left corner of the LCD display.

- 1) To switch to Video Capture Mode, press the  **HD** button or turn the **Mode Dial** to  **Video**.
- 2) Press the **Shutter** or  **Video Record** button to start capturing your video.
- 3) While recording, turn the **Zoom** to zoom-in/zoom-out on the subject.
- 4) Press the **Right/Exposure** button to pause/resume the video recording. Press the **Shutter** or **Video Record** button again to stop the video recording.

Playback Mode





When in Playback Mode, this icon displays on the top-left corner of the LCD display.

- 1) To switch to Playback mode, press the  **Playback** button.
To exit Playback mode and return to the previous mode, press the  **Playback** button again.
- 2) In **Playback** Mode, you can view captured photos or play recorded videos.
- 3) You can press the **Left** or **Right** button to scroll through the captured photos/videos.



Navigating the Menus

The Photo Capture Mode, Video Capture Mode and Playback Mode each have a set of menus specific to that mode. The general Camera Setting also has its own set of menus.

To access the menus:

- 1) Press the **Menu** button to open the Main Menu screen.
- 2) Two Main Menu options appear on the top of the menu display:
 -  **Capture Mode Main Menu Options** (left icon)
 -  **Camera Settings Main Menu Options** (right icon)

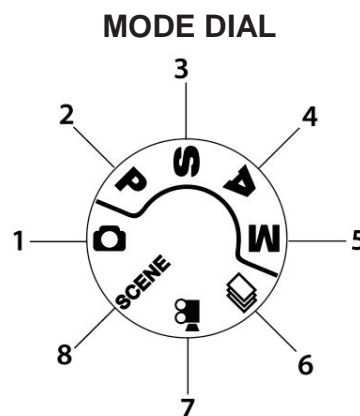
The Main Menus include:

Icon	Mode	Description
	Photo Capture Mode Video Capture Mode Playback Mode	Displays the Photo Capture Mode Menu options as per the selected Shooting Mode. Displays the Video Capture Mode Menu options. Displays the Playback Mode Menu options.
	Camera Settings	Displays the general Camera Setting Menu options.

- 3) Select the Main Menu by pressing the **Right/Left** button.
The list of menu options available for the selected Main Menu appears below.
- 4) Press the **Up/Down** button to select a menu option from the list displayed.
- 5) Press the **OK/Right** button to enter the submenu.
- 6) Press the **Up/Down** button to select an option from the submenu list.
- 7) Press the **OK** button to confirm the setting.

Note: Press the **Menu** button at any time to exit the current menu screen.

Selecting the Shooting Mode



Rotate the **Mode Dial** to select one of the eight shooting modes:

No.	Icon	Mode	Description
1		Auto	Take still pictures automatic mode. The camera detects the shooting condition and automatically switches to the appropriate scene mode.
2	P	Program	The camera automatically configures the appropriate settings, so you can capture images with ease.
3	S	Shutter Priority	You can choose a shutter speed, while the aperture value is automatically determined by the lighting condition of the subject.
4	A	Aperture Priority	You can choose an aperture value, while the shutter speed is automatically determined by the lighting condition of the subject.
5	M	Manual	Lets you set both aperture and shutter speed manually.
6		Continuous Shooting	Lets you capture a series of shots with a single press of the Shutter button.
7		Video	Use this mode to record videos with your camera.
8	SCENE	Scene Mode	Lets you select the desired scene mode that suits your shooting environment.

Aperture Priority Mode

Aperture Priority is often used when shooting static subjects or emphasizing the depth of field. In general, use a smaller aperture if a greater depth of field is needed.

To adjust the Aperture Priority Mode value:

- 1) Set the **Mode Dial** to **A**.
- 2) Press the **OK** button.
- 3) Press **Up/Down** button to adjust the aperture value.
- 4) Press the **OK** button to confirm the setting.

Shutter Priority Mode

Shutter priority is often used when shooting moving subjects. In general, use a shorter shutter speed to catch a fast-moving object.

To adjust the shutter speed in Shutter Priority Mode:

- 1) Set the **Mode Dial** to **S**.
- 2) Press the **OK** button.
- 3) Press **Left/Right** button to adjust the shutter speed.
- 4) Press the **OK** button to confirm the setting.

Manual Mode




You can choose the aperture value and shutter speed in Manual Mode.

To adjust values in Manual Mode:


- 1) Set the **Mode Dial** to **M**.
- 2) Press the **OK** button.
- 3) Adjust the settings.
 - Press the **Up/Down** button to adjust the aperture value.
 - Press **Left/Right** button to adjust the shutter speed.
- 4) Press the **OK** button to confirm the setting.

Continuous Shooting Mode

In this mode, you can take consecutive shots.

Icon	Mode	Description
	Burst	Takes three continuous pictures with a single press of the Shutter button. The Flash must always be off in this mode.
	AEB (Auto Exposure Bracketing)	Automatically takes 3 pictures with slightly different settings in the shutter speed or the aperture value.
	HS Burst	Press and release the Shutter button. When the photo size you select is VGA, Speedy Burst will shoot continuously at the speed of 30 shots per second. This will stop after 1 second or when the memory card is full.

To select a Continuous Shooting Mode:

- 1) Set the **Mode Dial** to the **Continuous Shooting Mode Icon**: 
- 2) Press the **Up** button to enter the menu for the Continuous Shooting Mode options.
- 3) Press the **Up/Down** button to select a desired option.
- 4) Press the **OK** button to confirm the setting.

Setting the Scene Mode

Select one of the following Scene Modes to fit your shooting condition.

Mode	Description
Scenery	Catches the scenery with ease.
Backlight	Increases the exposure (by turning on the flash) when light illuminates from the subject from the behind.
Night Scenery	Captures photos in a low-light environment, such as in the evening or at night.
Building	Enhances lines and contracts to highlight the sense of the three dimensions (3D) for a building.
Kids	Increases sensitivity and emphasizes children's skin tones.
Night Portrait	Captures portrait in low lighting conditions.

Food	Captures food by enhancing color brightness and giving more vivid colors.
Text	Improves clarity and contrast when taking a close-up picture of documents.
Snow	Used under a very bright light environment such as snow scenes.
Fireworks	Adds exposure time to shoot firework trails. It is recommended to keep the camera steady or use a tripod while using this mode.
Sunset	Captures the warmth and atmosphere (represented by hue) of the sunrise or sunset.


To select a Scene Mode:

- 1) Set the **Mode Dial** to **SCENE**.
- 2) Press the **Up/Down** button to select the desired Scene Mode.
- 3) Press the **OK** button to confirm the setting.

Camera Feature: INSTA Share

The INSTA Share technology allows you to quickly and easily upload your camera's photos and videos to the social networks of your choice with the accompanying Polaroid Instant Memories application. An INSTA Share destination can be assigned to a photo or video in Capture mode prior to capturing your image or in Playback Mode.

INSTA Share: Photo or Video Capture Mode

Press the  **INSTA Share** Quick Function Button to open the INSTA Share options. Select an INSTA Share option and press **OK** to save your selection and return to Capture mode. Your selected INSTA Share destination appears as an icon on the LCD screen and your camera is now ready to capture your photo or video with the selected INSTA Share destination.

Note: The INSTA Share feature is deactivated by default and needs to be activated prior to capturing each photo or video.

INSTA Share: Playback Mode


An INSTA Share destination can be added to a captured image or changed by accessing the INSTA Share menu in Playback Mode. Simply select an image, press the  **INSTA Share** Quick Function Button and select the INSTA Share destination and press the **OK** button.

Photo Capture Mode

The Photo Capture mode allows you to capture pictures with your digital camera.

Capturing Your Photo

- 1) While in Photo Capture mode, use the LCD display to direct the camera at the scene you would like to capture.
- 2) Set the **Mode Dial** to the desired Shooting Mode.
- 3) If you need to use the Flash for shooting, press the **Flash** button to open the Flash.
- 4) Use the **Zoom In/T** and **Zoom Out/W** lever to better set the camera display if desired. You can magnify your subject up to 50 times using the zoom.

The following Zoom Indicator appears on the top, right side of the LCD screen:



- 5) Press the **Shutter** button halfway to set the automatic focus. The focus frame appears on the LCD and the current Aperture, Shutter, and ISO settings are also displayed as the button is half pressed.

If the focus frame appears red, this indicates the photo is not in focus. Half press the **Shutter** button again to refocus.

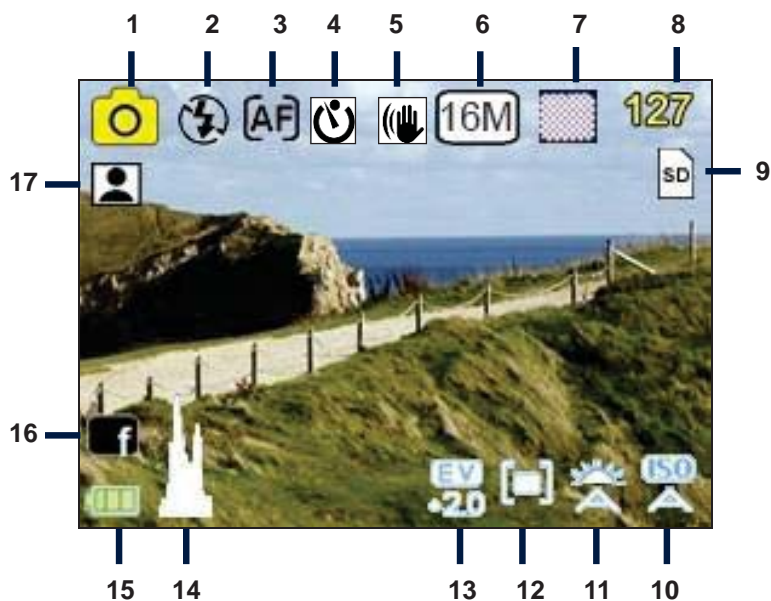
Once the focus is set, the focus frame color displays as green (focused).

Note:

- If the focus frame color is red and you fully press the **Shutter** button to take the picture, this may result in a blurry photo.
 - If the focus frame color is red and remains red, you may need to change camera settings such as scene/lighting/focus/flash mode in order to accommodate to the current conditions.
- 6) When the focus frame is green, press the **Shutter** button fully to capture your photo.
 - 7) The picture is automatically saved to the camera's SD Memory Card or to the camera's internal memory if there is no SD memory card (depending on the image size).

LCD Icons and Description

The following icons appear on the LCD display in Photo Capture Mode.



No.	Description
1	Shooting Mode
2	Flash Mode
3	Focus Mode
4	Self-Timer (On)
5	Ant-Shake (On)
6	Image Size
7	Image Quality
8	Numbers of Shots Available
9	SD Card
10	ISO
11	White Balance
12	Metering
13	Exposure Value (EV)
14	Histogram
15	Battery Level
16	INSTA Share Destination (On) ; No icon appears if 'None' selected
17	Face/Smile/Blink/Object Detect (On) ; No icon appears if 'Off' selected

Note: There are some camera settings that are by default set to 'Off' and therefore do not display an LCD icon. The LCD icon will only display once the setting is set to 'ON' or a specific option for that setting is chosen. This include following camera settings:

Anti Shake, Detect (Face Detect, Smile Detect, Blink Detect, Object Detect), INSTA Share, Self-Timer

LCD Display

The default display shows the camera setting icons on the top of the LCD screen.


Press the **Display (DISP)** button to select from additional display options.










Each time you press the Display button one of the following LCD displays is shown:

- Displays all camera icons on the screen.
- Hides all camera icons.
- Displays the camera grid (no icons).
- Returns to default display – showing the standard icons on the top section of the LCD screen.


Photo Capture Mode Quick Function Buttons













Your digital camera has a four-directional pad that functions as Quick Function buttons:


Button	Function
 Left	<p>Self Timer – Opens the Self Timer setting options.</p> <p>The Self Timer menu allows you to set a delay between the time that the camera's Shutter button is pressed and the actual capture of the picture.</p> <p>This is an optimal feature if you don't just want to take the picture but would also like to be in the picture yourself. Just set the desired Self Timer delay, press the Shutter button on your camera and position yourself in front of the camera as desired.</p> <p>The Self-Timer options include - Off, 2 Seconds, 5 Seconds, 10 Seconds</p>

 Up	<p>Flash – Toggles between the Flash options:</p> <p> Forced Off,  Forced On,  Auto Flash,  Red Eye Reduction</p> <p><i>Reminder:</i> Press the Flash button to raise the Flash before selecting a Flash option.</p>
 Right	<p>Light Exposure – Opens the Light Exposure setting options.</p> <p>The Light Exposure setting helps you control the amount of light that enters your camera’s lens. This setting should be adjusted when the environment is lighter or darker than normal.</p> <p>When the environment has more light than is needed, reduce the exposure setting (by using the negative - count) to reduce the amount of light allowed into the lens by your camera.</p> <p>If the environment has less light (darker) than is needed, increase the exposure setting (by using the positive + count) to increase the amount of light allowed into the lens by your camera.</p> <p>The Light Exposure options include: -2.0 ~ +2.0 EV (0.3EV / step)</p>
 Down	<p>Focus – Toggles between the focus options:</p> <ul style="list-style-type: none"> • [AF] Auto Focus: The camera automatically focuses. •  Macro: Allows your camera to focus on an object that is close to the camera. •  Infinity: Allows images to be captured from 1.5m to ∞ infinity
OK	<ul style="list-style-type: none"> • Enters the submenu options. • Saves your selected option.

OTHER

Shutter	Captures the photo.
 Delete	Enters Playback Mode and opens the ‘Delete this File?’ menu. Select ‘Yes’ and press OK to delete current image shown on the LCD screen.
MENU	Opens the Photo Capture Mode Menus as well as Camera Settings Menus. Exits the Menu screen.

 INSTA Share	<p>Opens the INSTA Share for Photos options: None, Facebook, Twitgoo (Twitter), Twitpic (Twitter), Photobucket, Flickr, MySpace, Picasa Albums</p>
 Playback	<p>Opens the Playback Mode showing the last image captured. Exits the Playback Mode.</p>
 HD	<p>Opens the Video Capture Mode and automatically begins recording. Toggles between the Video Capture Mode and Photo Capture Mode.</p>
 Anti-Shake	<p>Opens the Anti-Shake menu. The Anti-Shake feature reduces image distortion that can be caused by movement of the camera while capturing the image. The Anti-Shake options include: Off,  On</p> <p>Note: An icon reflecting the 'On' selection is displayed on the LCD screen. The 'Off' setting does not display an icon.</p>
 Detect	<p>Opens the Detect Options: OFF,  Face Detect,  Smile Detect,  Blinking Detect,  Object Detect</p> <p>Note: The 'OFF' setting does not display an icon. An icon reflecting the selected Detect option is displayed on the LCD screen.</p> <p>To properly use the Face, Smile and Blink Detect options, please ensure the following:</p> <ul style="list-style-type: none"> • MACRO Mode OFF - The Detect feature will not work if the camera is in Macro mode. Select  'Auto Focus' or  'Infinity'. • Anti-Shake - Ensure that the Anti-Shake option is set to 'On' to assist you in properly focusing the image. • Distance from the camera – The subject's face must be no further than 8 to 9 feet (3.5 meters) from the camera and the face must cover at least 20% (1/5th) of the picture as seen on the LCD screen. • Facing the camera - The face of the subject(s) you are

	<p>photographing must be facing the camera and must hold the pose for at least 4 to 5 seconds until the green square(s) appears around the subject's face. The Detect feature will not work with a side shot of the subject's head.</p>
ISO	<p>Open the ISO Menu. The ISO options include: Auto ISO50, ISO100, ISO200, ISO400, ISO800, ISO1600</p>
 Color Effect	<p>Opens the Color Effect Menu. The Color Effect options include: Normal, Monochrome, Sepia, Negative, Red, Green, Blue</p>
DISP	<p>Toggles between the following LCD display options: Hides the bottom display of the icons on the screen; Hides all the display of the icons on the screen; Displays the screen with a grid (no icons); Displays all the icons on the screen.</p>
Mode Dial	<p>Selects the shooting mode.</p>
T (Telephoto)	<p>Zooms In.</p>
W (Wide Angle)	<p>Zooms Out.</p>

Flash Mode

Opening the Flash

You need to manually raise the flash before switching to the flash mode.

To open the flash:

- Push the button with the ⚡ Flash icon next to the flash. The flash raises up.



Closing the Flash

To close the flash:

- Push down on top of the flash until you hear a 'click' sound that indicates the flash is closed.



Note: When the flash is closed, Flash Mode is automatically set to Flash off.

The Flash offers additional light source (usually used in a low-light environment). You can capture an image using one of the following Flash Modes: **Forced On, Auto Flash, Red-Eye Reduction**

Using the Flash

There are several Flash Mode options available on your camera. The options appear on the Photo Capture Mode LCD screen in sequence:





Forced Off (No Flash), Forced On, Auto Flash, Red-Eye Reduction

To select the Flash mode:

- 1) Set the Mode Dial to the desired Photo Capture Shooting Mode.
- 2) Open the Flash by pressing the button next to the Flash.
- 3) Press the **UP** Quick Function button until you arrive at your desired Flash Mode. The Flash Mode is displayed on the LCD screen.




Important: When using Flash, stand between 8 to 10 feet away from the scene you would like to capture. The MACRO mode must be turned off when you want to use the Flash.

Flash Mode Options

Icon	Mode	Description
	Forced Off (Default)	<ul style="list-style-type: none"> The Flash does not fire. Select this mode when flash photography is prohibited, or when the distance to the subject is beyond the effective range of the flash. <p>Note: When the camera detects the need for Flash, a message briefly appears on the LCD screen: 'Raise the Flash'. This indicates that the lighting conditions are not sufficient and the photo may appear too dark. You may want to consider opening the Flash (which activates Auto Flash) before capturing your photo.</p>
	Forced On	<ul style="list-style-type: none"> The flash is enabled for each photo. The flash always fires regardless of the surrounding lighting conditions. Select this mode when capturing images with high contrast (backlighting) and deep shadows. <p>Note: If you use this option in a well lit environment, your photo may appear too bright/light (overexposed).</p>
	Auto Flash	<ul style="list-style-type: none"> When you want the camera to determine if Flash is needed, select Auto Flash. The flash fires automatically based on the photographic conditions. When the LED light stops blinking, the Flash is ready for use. <p>Note: In some cameras, an initial flash appears to test your lighting conditions. If flash is needed, a second flash will appear upon taking the photo.</p>
	Red Eye Reduction	<ul style="list-style-type: none"> Reduces the red-eye phenomenon when capturing natural-looking images of people and animals in low-light conditions. Be sure to the subject is looking at the camera lens or get as close to the camera as possible. The flash fires automatically based on the photographic conditions.

Note: If the flash is not working, check to see if the battery power is low. If so, try replacing the batteries with new ones since the flash requires a good amount of battery power.

Focus Mode

Icon	Mode	Description
	Auto focus	Adjusts focus automatically.
	Macro	Used when capturing images at a close distance.
	Infinity	Used when capturing images at long distance.

To select the Focus Mode:



- 1) Set the **Mode Dial** to the desired Shooting Mode.
- 2) Press the  **Down/Focus** button repeatedly to toggle between the Focus Modes.
The selected Focus Mode icon appears on the LCD screen.

Photo Capture Mode Menus

Using the Menu Button

Press the **Menu** button to access  Photo Capture Menu setting options while in Photo Capture Mode.

Note: Depending on your Shooting Mode, the displayed setting options in the menu list may vary.

To access the Photo Capture Mode Menu options:


- 1) Press the **Menu** button to view the list of Photo Capture Mode Menu options shown under the camera icon: 
- 2) Press the **Up/Down** button to select a menu item.
- 3) Press the **OK/Right** button to enter the submenu.
- 4) Press the **Up/Down** button to select an option.
- 5) Press the **OK** button to confirm the setting.
- 6) Press the **Menu** button to exit the menu.

Image Size Menu

The Image Size menu allows you to choose the desired size of the images taken by your camera. Keep in mind that images with a higher resolution will also take up more of your camera's memory.

The Image Size options include:

Icon	Description
20M	20 mega pixels (5152 x 3864) (Default)
18M	18 mega pixels (4896 x 3672)
16M	16 mega pixels (4608 x 3456)
14M	14 mega pixels (4288 x 3216)
12M	12 mega pixels (4000 x 3000)
10M	10 mega pixels (3648 x 2736)

Icon	Description
8M	8 mega pixels (3264 x 2448)
7M HD	7 mega pixels (3648x2056)
5M	5 mega pixels (2592x1944)
3M	3 mega pixels (2048 x 1536)
2M HD	2 mega pixels (1920 x 1080)
VGA	VGA (640 x 480)

To select the Image Size:

- 1) Press the **Menu** button.
- 2) Press the **Up/Down** button to select 'Image Size'.
- 3) Press the **OK/Right** button to enter the submenu.
- 4) Press the **Up/Down** button to select an option.
- 5) Press the **OK** button to confirm the setting.

Note: An icon reflecting your selection is displayed on the LCD screen.

Image Quality Menu

The Image Quality menu allows you to select the desired quality level of the images taken by your camera. Keep in mind that images with a higher image quality level will also take up more memory on your camera.

The Image Quality options include:

Icon	Mode	Description
	Super Fine	Best image quality with the lowest compression rate. File size is the largest.
	Fine (Default)	Better image quality with medium compression rate. File size is medium.
	Normal	Good image quality with the highest compression rate. File size is the smallest.

To select the Image Quality:




- 1) Press the **Menu** button.
- 2) Press the **Up/Down** button to select 'Image Quality'.
- 3) Press the **OK/Right** button to enter the submenu.
- 4) Press the **Up/Down** button to select an option.
- 5) Press the **OK** button to confirm the setting.

Note: An icon reflecting your selection is displayed on the LCD screen.

Metering Menu

The Metering setting will affect how your camera focuses when capturing an image. Depending on your selection, the camera will be more sensitive to focusing on particular areas in the display and adjust the image color and lighting accordingly.

The Metering options include:

Icon	Mode	Description
	Center	Detects the exposure of the entire shooting screen, but gives more importance to the values near the center.
	Multi (Default)	Detects the exposure based on multiple points in the subject area.
	Spot	Detects the exposure based on the center spot in the subject area.

To select the Metering option:








- 1) Press the **Menu** button.
- 2) Press the **Up/Down** button to select 'Metering'.
- 3) Press the **OK/Right** button to enter the submenu.
- 4) Press the **Up/Down** button to select an option.
- 5) Press the **OK** button to confirm the setting.

Note: An icon reflecting your selection is displayed on the LCD screen.

White Balance Menu

White Balance compensates for color temperatures in different lighting conditions, so white and other colors can display properly when you capture images.

The White Balance options include:

Icon	Mode	Description
	Auto (Default)	Adjusts white balance automatically.
	Daylight	Used in bright daylight conditions.
	Cloudy	Used in twilight or shady conditions.
	Tungsten	Used when subjects lit by tungsten (Incandescent) lighting.
 	Fluorescent H Fluorescent L	Adjusts for fluorescent lighting. Corrects the green hue of fluorescent lighting. Ideal for indoor photos under fluorescent lighting without a flash.
	Custom	Used when you want to manually adjust white balance in a particular lighting condition.

To select the White Balance option:




- 1) Press the **Menu** button.
- 2) Press the **Up/Down** button to select 'White Balance'.
- 3) Press the **OK/Right** button to enter the submenu.
- 4) Press the **Up/Down** button to select an option.
- 5) Press the **OK** button to confirm the setting.

Note: An icon reflecting your selection is displayed on the LCD screen.

ISO Menu

The ISO configures the camera's sensitivity to light. The higher the ISO value, the brighter picture you can take in a low-light environment. Yet, you may see more noise in the picture as you increase the ISO value.

The ISO options Include:

Icon	Description
	Automatically sets the ISO value. (Default)
	Equivalent to color ISO 50/100/200 film. Used for outdoor photography in bright sunlight.
	Equivalent to color ISO 400/800/1600 film. Used it in a low-light environment or where the flash light is not allowed.

To select the ISO option:

- 1) Press the **Menu** button.
- 2) Press the **Up/Down** button to select 'ISO'.
- 3) Press the **OK/Right** button to enter the submenu.
- 4) Press the **Up/Down** button to select an option.
- 5) Press the **OK** button to confirm the setting.



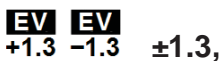


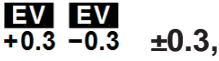

Note:

- An icon reflecting your selection is displayed on the LCD screen.
- *Remember:* Press the **ISO** Quick Function button to easily access the ISO menu.

Exposure Menu

EV (Exposure Value) lightens or darkens the entire image. Adjust EV when the brightness between the subject and the background is not balanced, or when the subject occupies only a small part of the picture.

The Exposure options Include:

Icon
   
  

To select an Exposure option:

- 1) Press the **Menu** button.
- 2) Press the **Up/Down** button to select 'Exposure'.
- 3) Press the **OK/Right** button to enter the submenu.
- 4) Press the **Up/Down** button to select an option.
- 5) Press the **OK** button to confirm the setting.

Note:

- An icon reflecting your selection is displayed on the LCD screen.
- *Remember.* Press the **Right/Light Exposure** Quick Function button to easily access the Light Exposure menu.

Image Sharpness Menu

This setting allows you to adjust the sharpness of images, making edges more or less distinct.

The Image Sharpness options include:

Sharp, Normal, Soft

To select the Image Sharpness option:

- 1) Press the **Menu** button.
- 2) Press the **Up/Down** button to select 'Image Sharpness'.
- 3) Press the **OK/Right** button to enter the submenu.
- 4) Press the **Up/Down** button to select an option.
- 5) Press the **OK** button to confirm the setting.

Color Effect Menu

The Color Effect menu adds color filter effects to the image or video you want to capture.

The Color Effect options include:

Mode	Description
Normal (Default)	No effects are added.
Monochrome	Adds an effect with monochromatic color tones.
Sepia	Adds an effect with dark reddish brown color tones, so the image or video looks as if it is old.
Negative	Reverses the colors from their correct appearance. The lightest areas of the photographed subject appear darkest and the darkest areas appear lightest.
Red	The image becomes reddish.
Green	The image becomes greenish.
Blue	The image becomes bluish.

To select the Color Effect option:

- 1) Press the **Menu** button.
- 2) Press the **Up/Down** button to select 'Color Effect'.
- 3) Press the **OK/Right** button to enter the submenu.
- 4) Press the **Up/Down** button to select an option.
- 5) Press the **OK** button to confirm the setting.

Note: *Remember* - Press the **Color Effect** Quick Function button to easily access the 'Color Effect' menu.

Date Stamp Menu

This setting allows you to adjust the system time which can be display on the captured photos.

The Date Stamp options include:

Mode	Description
Off (Default)	No date/time appears on the captured photo.
Date	The date appears on the captured photo.
Date & Time	The date and time both appear on the captured photo.


To select the Date Stamp option:

- 1) Press the **Menu** button.
- 2) Press the **Up/Down** button to select 'Date Stamp'.
- 3) Press the **OK/Right** button to enter the submenu.
- 4) Press the **Up/Down** button to select an option.
- 5) Press the **OK** button to confirm the setting.

Video Capture Mode



The Video Capture Mode allows you to capture videos with your digital camera.

To enter Video Capture Mode, follow one of the steps below:

- Turn the **Mode Dial** to  **Video**.
- Press the  **HD** button.

Capturing Your Video

- 1) Set the **Mode Dial** to  **Video Mode**.



Alternatively, press the  **HD/Video Record** button from any mode to enter the Video Capture Mode and automatically begin recording video. Press the  **HD/Video Record** again to stop the recording and press it again to toggle back to the previous mode.

- 2) While in Video Capture mode, use the LCD display to direct the camera at the scene you would like to capture.
- 3) Use the **Zoom In/T** and **Zoom Out/W** lever to better set the camera display if desired.

You can magnify your subject up to 50 times using the zoom.

The following Digital Zoom Indicator appears on the top, right side of the LCD screen:



- 4) Press the **Shutter** or  **Video Record** button to start recording.
Press the **Right/Exposure** button to Pause/Resume the video recording.
Press the **Shutter** or  **Video Record** button again to stop recording.
- 5) The video is automatically saved to the camera's SD Memory Card.

LCD Icons and Description





The following icons appear on the LCD display in Video Capture Mode.







No.	Description
1	Shooting Mode
2	Aspect Ratio/Resolution
3	Available time left to capture video
4	SD Card
5	INSTA Share Destination (On) ; No icon appears if 'None' is selected
6	Battery Level

Video Capture Mode Quick Function Buttons

Your digital camera has a four-directional pad that functions as Quick Function buttons:


Button	Function
 Left	N/A
 Up	N/A
 Right	Video Record Pause – While recording, pauses the video capture and then continues recording.
 Down	N/A
OK	<ul style="list-style-type: none"> • Enters the submenu options. • Saves your selected option.

Other

Shutter	Captures the video. Press to begin and press again to stop the video capture.
 HD	<ul style="list-style-type: none"> • Opens the Video Capture Mode. • Starts/stops the Video capture. • Toggles between the Video Capture Mode and Photo Capture Mode.
 Delete	Enters Playback Mode and opens the ‘Delete this File?’ menu. Select ‘Yes’ and press OK to delete current image shown on the LCD screen.
MENU	<ul style="list-style-type: none"> • Opens the Video Capture Mode Menus as well as Camera Settings Menus. • Exits the Menu screen.
 INSTA Share	Opens the INSTA Share for Video options: None, Photobucket, Flickr, YouTube
 Playback	Opens the Playback Mode showing the last image captured. Toggles between Playback Mode and Capture Mode.
Mode Dial	Selects the shooting mode.
T (Telephoto)	Zooms In.
W (Wide Angle)	Zooms Out.

Video Capture Mode Menus

Using the Menu Button

Press the **Menu** button to access  Video Capture Menu setting options while in Video Capture Mode.

To access the Menu options:


- 1) Press the **Menu** button to view the list of Video Capture Mode Menu options shown under the camera icon: .
- 2) Press the **Up/Down** button to select a menu item.
- 3) Press the **OK/Right** button to enter the submenu.
- 4) Press the **Up/Down** button to select an option.
- 5) Press the **OK** button to confirm the setting.
- 6) Press the **Menu** button to exit the menu.

Image Size Menu

The Image Size menu allows you to choose the desired size of the images taken by your camera. Keep in mind that images with a higher resolution will also take up more of your camera's memory.

The Image Size option includes:

Icon	Description
16:9	1280x720 (HD) (Default)
VGA	640x480 (VGA)
QVGA	320x240 (QVGA)

To select the Image Size:








- 1) Press the **Menu** button.
- 2) Press the **Up/Down** button to select 'Image Size'.
- 3) Press the **OK/Right** button to enter the submenu.
- 4) Press the **Up/Down** button to select an option.
- 5) Press the **OK** button to confirm the setting.

Note: An icon reflecting your selection is displayed on the LCD screen.

White Balance Menu

White Balance compensates for color temperatures in different lighting conditions, so white and other colors can display properly when you capture images.

The White Balance options include:

Icon	Mode	Description
	Auto (Default)	Adjusts white balance automatically.
	Daylight	Used in bright daylight conditions.
	Cloudy	Used in twilight or shady conditions.
	Tungsten	Used when subjects lit by tungsten (Incandescent) lighting.
 	Fluorescent H Fluorescent L	Adjusts for fluorescent lighting. Corrects the green hue of fluorescent lighting. Ideal for indoor photos under fluorescent lighting without a flash.
	Custom	Used when you want to manually adjust white balance in a particular lighting condition.

To select the White Balance option:

- 1) Press the **Menu** button.
- 2) Press the **Up/Down** button to select 'White Balance'.
- 3) Press the **OK/Right** button to enter the submenu.
- 4) Press the **Up/Down** button to select an option.
- 5) Press the **OK** button to confirm the setting.

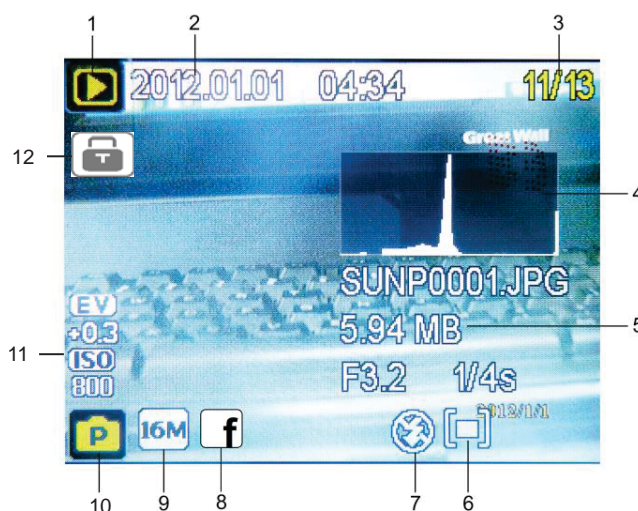
Playback Mode

The Playback Mode allows you to review, edit and delete photos and videos that you've already taken with your camera.

- When you first turn on the camera, the camera will be in Capture mode by default.
- Press the **▶ Playback** button to open the **Playback Mode**.
Press the **▶ Playback** button again or the **Shutter** button to exit the **Playback Mode**.
- The latest captured image appears on the LCD screen. If there are no images stored, a message (No image) appears.

LCD Icons and Description

The following icons appear on the LCD display in Playback Mode.

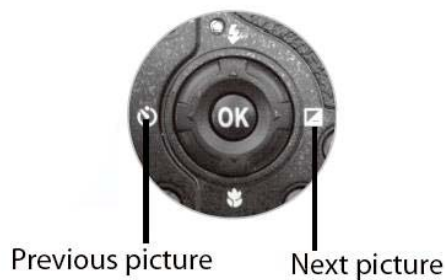


Item	Description
1	Playback Icon. Indicates that the camera is in Playback Mode .
2	Date and time when the file was created (displays on photos only)
3	File number
4	Histogram (displays on photos only)
5	File name, file size, shutter speed, and aperture value (displays on photos only)
6	Metering (displays on photos only)
7	Flash off (displays on photos only)
8	INSTA Share (icon displays only when INSTA Share destination selected)
9	Image Size
10	Displays the Shooting Mode

11	Light exposure, ISO settings (displays on photos only)
12	Protect/Lock. Lock icon indicates file is protected and cannot be edited/deleted. If the file is not locked then no icon appears.

Selecting and Viewing Photos and Videos

When the camera is in Playback Mode, press the **Left (Self Timer) / Right (Exposure)** button to preview the previous/next captured file.




Enlarging a Photo

To magnify and enlarge a captured photo:

- 1) Press the **▶ Playback** button to enter Playback Mode.
- 2) Press the **Left/ Right** button to scroll and select the image you want to enlarge.
- 3) Use the **T Zoom lever** to zoom in and enlarge the photo – up to 8x magnification.
 - Press the four-directional pad to navigate **Up/Down/Right/Left** within the magnified photo.
 - Press the **OK** button to open the 'Trim' menu.
 - Select 'Yes' and then press **OK** to trim the photo and save as a separate image.
 - Select 'No' and then press **OK** to exit the 'Trim' menu without cropping the image.
- 4) Use the **W Zoom lever** to zoom back out of the image.

Playing a Video



To view a video clip:

- 1) Press the  **Playback** button to enter Playback Mode.
- 2) Press the **Left/ Right** button to scroll and select the video you want to playback.
- 3) **PLAY/PAUSE:**
Press the **Up** button to start playing the video.
Press the **Up** button to pause the playing video and then press the **Up** button again to continue playing the video.
- 4) **FAST FORWARD/REWIND:**
Press the **Left** button to rewind the playing video.
Press the **Right** button to fast forward the playing video.
- 5) **STOP:**
Press the **Menu** button to stop playing the video.

Note: While playing the video, the Video Playback Controls appear on the bottom section of the LCD screen. The elapsed video play time appears on the top, right of the LCD screen.



Thumbnail View

Easily navigate and select the image you wish to view by using the Thumbnail View. The images on your camera will be displayed in a 3 X 3 matrix where you can use the direction buttons to scroll and select images from the thumbnails.

- 1) Press the  **Playback** button to enter Playback Mode.
- 2) Rotate the **Zoom lever** to **W** to enter the Thumbnail View. A maximum of nine files are displayed on the screen.
 - Video Thumbnails appear with a  video icon on the Thumbnail image.
 - Photo Thumbnails do not appear with an icon on the Thumbnail image.
- 3) Press the **Up/Down/Left/Right** button to scroll and select the image you wish to view.
- 4) Press the **OK** button to enlarge the selected image full size.
Once full size, photos can be enlarged and videos can be played.

Playback Mode Menu Options

Accessing the Playback Menus

- 1) Press the  **Playback** button to enter Playback Mode.
- 2) Press the **Left/Right** button to select a captured photo or video.
- 3) Press the **Menu** button to view the list of Playback Mode Menu options shown under the camera icon: 
- 4) Press the **Up/Down** button to select a menu item.
- 5) Press the **OK/Right** button to enter the submenu.
- 6) Press the **OK** button to confirm the setting.
- 7) Press the **Menu** button to exit the menu.


Protect Menu

Pictures and videos taken with your camera can be protected or “locked” to prevent any deletion or alteration being made to the files. Use the protect feature to prevent selected files from accidental removal.


The Protect options include:

Setting Option	Description
Single	Locks or unlocks the selected image.
Lock All Images	Locks all captured photos and videos.
Unlock All Images	Unlocks all captured photos and videos.

To select from the Protect options:

- 1) Press the  **Playback** button to enter Playback Mode.
- 2) Press the **Left/Right** button to select a file.
- 3) Press the **Menu** button.
- 4) Press the **Up/Down** button to select ‘Protect’.
- 5) Press the **OK/Right** button to enter the confirmation menu.
- 6) Press the **Up/Down** button to select an option.
- 7) Press the **OK** button to confirm the setting.

Note:

- Any image that is locked displays a  lock symbol on the LCD screen when viewing that image in the Playback Mode. Photos and videos that are not locked do not display the lock symbol.
- Remember that you cannot delete/edit files while they are locked.

Delete Menu

While in the Playback Mode, you can delete captured photos and videos from your camera through the Delete menu. Delete unwanted photos and videos at any time in order to free up memory. You can delete one photo or video clip at a time or delete all images at once.

Deleting files permanently removes them from the SD card or camera's memory. Remember to download images you would like to save before deleting them.

The Delete menu options include:

Setting Option	Description
Single	Deletes single, selected image.
All	Deletes all unlocked photos and videos.

Note:

- Images that are protected/locked cannot be deleted. First unlock the image(s) then select the desired delete option.
- *Remember:* You can also quickly delete captured images by pressing the **Delete** button while in the Photo or Video Capture Mode as well as Playback Mode.

DELETE BUTTON - Quickly deleting a single selected file:

1) Press the  **Playback** button to enter Playback Mode.

2) Press the **Left/Right** button to select a file.

Press the  **Delete** button while in Playback Mode to enter the 'Delete' menu.

3) The 'Delete this file?' menu appears.

Select 'Yes' to delete the selected file, or 'No' to exit the menu without deleting. Press the **OK** button to confirm your selection.

Note: If you chose 'Yes', the selected image is deleted. The next image then appears with

the delete options. You can continue to delete additional captured images or select 'No' to exit the Delete menu.

DELETE MENU - Deleting a single file or all files:

- 1) Press the **▶ Playback** button to enter Playback Mode.
- 2) Press the **Left/Right** button to select a file.
- 3) Press the **Menu** button, then press the **Up/Down** button to highlight 'Delete'.
- 4) Press the **OK/Right** button to enter the 'Delete' menu.
- 5) **DELETE SINGLE FILE:**

To delete a single file (the selected image as seen on the LCD screen), select 'Single' then press **OK**.

The 'Delete this file?' menu appears.

Select 'Yes' to delete the selected file, or 'No' to exit the menu without deleting. Press the **OK** button to confirm your selection.

Note: If you chose 'Yes', the selected image is deleted. The next image then appears with the delete options. You can continue to delete additional captured images or select 'No' to exit the Delete menu.

- 6) **DELETE ALL FILES:**

To delete all unlocked files (both photos and videos), select 'All' then press **OK**. You will be asked to reconfirm. Select 'Yes' to proceed and delete all files, or 'No' to exit the menu without deleting. Press the **OK** button to confirm your selection.






Slide Show

The Slide Show option sets the time interval, music and transition for presenting a series of captured images.

To play a Slide Show:

- 1) Press the **▶ Playback** button to enter Playback Mode.
- 2) Select an image.
- 3) Press the **Menu** button and then press the **Up/Down** button to select 'Slide Show'.


The Slide Show menu options include:

Setting Option	Description
Start	Select 'Start' to begin the Slide Show. Press the OK button to Pause. Press the Menu button to stop the Slide Show.
Seconds	Press Left/Right button to set the interval between 1/3/5 seconds
Music	Press Left/Right button to set the music that will play during the Slide Show.
Transition	 Applies a transition effect from left to right.  Applies a transition effect from upper-left side to lower-right side.  Applies a horizontal transition effect.  Applies a vertical transition effect.  Applies a horizontal transition effect by intersecting an image. Mix Applies a random sequence of the available effects.
Repeat	Press Left/Right button to select 'Yes' to repeat the Slide Show, or 'No' to play the Slide Show only once.

DPOF

The Digital Print Order Format (DPOF) setting allows you to select images on the memory card for printing and specify the number of print copies in advance using the camera. This is extremely convenient for sending the images to a photo developing service or for printing on a direct print function compatible printer.

To set up DPOF:

- 1) Press the  **Playback** button to enter Playback Mode.
- 2) Press the **Right/Left** button to select a file.
- 3) Press the **Menu** button and then press the **Up/Down** button to select 'DPOF'.
- 4) Press the **OK** button and then press the **Up/Down** button to select 'Single/All/Reset'.
- 5) Press the **OK** button to confirm.

Copy to Card

Captured images saved to your camera's internal memory can be transferred to an SD Memory Card. Make sure you have installed the SD Memory card properly.

To set up copy to card:

- 1) Press the **▶ Playback** button to enter Playback Mode.
- 2) Press the **Right/Left** button to select a file.
- 3) Press the **Menu** button and then press the **Up/Down** button to select 'Copy to Card'.
- 4) Press the **OK** button and then press the **Up/Down** button to select 'Single/All'. Press the **OK** button to confirm.
- 5) You will then be asked to reconfirm. Press the **Up/Down** button to select 'Yes/No' and then press the **OK** button to confirm.

Color Effect

You can add special effects to your captured images.

Setting Option	Description
Red Eye Removal	Reduces red eye in captured images.
B & W	Converts image to black & white.
Sepia	Recorded image is stored in a sepia tone.
Negative	Colors become the opposite of what they were in the original image.
Mosaic	Applies a mosaic tile effect to the image.
Vivid Red	The image becomes reddish.
Vivid Green	The image becomes greenish.
Vivid Blue	The image becomes bluish.

To add a special color effect to an image:

- 1) Press the **▶ Playback** button to enter Playback Mode.
- 2) Press the **Right/Left** button to select a file.
- 3) Press the **Menu** button and then press the **Up/Down** button to select 'Color Effect'.
- 4) Press the **Up/Down** button to select the effect.
- 5) Press the **OK** button to confirm and save the image as a new file.

Rotate

Use this menu to rotate the pictures that you've taken with your camera.

To rotate a photo:

- 1) Press the **▶ Playback** button to enter Playback Mode.
- 2) Press the **Right/Left** button to select a file.
- 3) Press the **Menu** button and then press the **Up/Down** button to select 'Rotate'.
- 4) Press the **OK** button and then press the **Up/Down** button to select 'Rotate/Save/Back'.
- 5) To rotate, select 'Rotate' then press the **OK** button repeatedly.

The photo rotates 90 degrees clockwise each time you press the **OK** button.

Once you have finished rotating the image, select 'Save' then press the **OK** button to confirm. The selected image is shown rotated in Playback Mode.

Note: To exit the Rotate menu at any time, select 'Back' and press the **OK** button.

Resize

The Resize option changes an image file to a smaller size, and overwrites the image file or saves it as another new file.

To resize an image:

- 1) Press the **▶ Playback** button to enter Playback Mode.
- 2) Press the **Right/Left** button to select a file.
- 3) Press the **Menu** button and then press the **Up/Down** button to select 'Resize'.
- 4) Press the **OK** button to enter the submenu options and then press the **Up/Down** button to select the new target image size.
- 5) Press the **OK** button to confirm and save your image as a new, separate file.

Voice Memo

The Voice Memo feature inserts a voice annotation to a selected image file.

The Voice Memo menu options include:

Setting Option	Description
Add	Records new voice memo to selected image.
Delete	Deletes recorded voice memo from selected image.

To record a Voice Memo:

- 1) Press the **▶ Playback** button to enter Playback Mode.
- 2) Press the **Right/Left** button to select the image you want to add a voice memo.
- 3) Press the **Menu** button and then press the **Up/Down** button to select 'Voice Memo'.
- 4) Press the **OK** button to enter the submenu options.
- 5) Press 'Add' and then press the **OK** button to enter the Voice Memo.
Press the **OK** button to start your voice recording.
Press the **OK** button to stop recording.

Note: A microphone icon appears on the captured image once you have completed the Voice Memo recording.

To play back a Voice Memo:

- 1) Select the image with the Voice Memo.
- 2) Press the **Up** button to play the Voice Memo.
Press the **Up** button again to pause and press once again to continue playing.
- 3) Press the **Menu** button to exit the Voice Memo playback.

Startup Image

The Startup Image feature sets the welcome screen when the camera is powering on.

To select a Startup Image:

- 1) Press the **▶ Playback** button to enter Playback Mode.
- 2) Press the **Right/Left** button to select an image to be seen on the Startup of the camera.
- 3) Press the **Menu** button and then press the **Up/Down** button to select 'Startup Image'.

4) Press the **OK** button to enter the submenu options.

5) Press the **Up/Down** button to select 'Yes/No'.

Select 'Yes' and then press the **OK** button to set the selected photo.

Select 'No' and then press the **OK** button to exit the Startup Image menu without selecting the image.

Photo Frame

The Photo Frame feature allows you to choose from a selection of frames and add the frame to your image.

1) Press the **▶ Playback** button to enter Playback Mode.

2) Press the **Right/Left** button to select an image.

3) Press the **Menu** button and then press the **Up/Down** button to select 'Photo Frame'.

4) Press the **Up/Down** button to scroll through the photo frame options.


5) Press the **OK** button to select and set the photo frame.

The image is saved as a new file.







Camera Settings

The setup of your camera can be easily changed by using the Camera Settings menu options.

To access the Camera Settings menu:

- 1) Press the **Menu** button from any mode.
- 2) Press the **Right** button to select the  **Camera Settings**.

The general Camera Settings includes the following menu options:

Icon	Mode	Description
Silent Mode	Shutter	Sets the Shutter sound ON and OFF.
	Start-up	Set the type of the startup sound: 1, 2, 3, None
	Beep	Sets the button (excluding shutter) sound ON and OFF.
	Volume	Adjusts the volume of the Shutter sound, startup sound, operation sound and playback sound.
Frequency	50Hz	50HZ for Europe and Japan.
	60Hz	60HZ for the U.S.
Auto Power Off	 [1 min.]	For power conservation, the camera automatically enters the standby mode after it has been idle for the selected period of time. (Press any key to resume.)
	 [3 min.]	
	 [5 min.]	
	 [Off]	The camera remains on when idle.
Date/Time	Sets the date and time.	
Language	Select a language for display menus and other information: English, French, Spanish, Portuguese, German, Russian, Italian, Polish, Greek	
USB	Computer	Select when the camera is connected to your computer.
	Printer	Select when the camera is connected to printer.
File Numbering	 Series	Stores the most recently used file number regardless of deleted files or a change of memory card. This is useful for avoiding the file name duplication when images are downloaded to a computer.
	 Reset	Resets file numbering each time the memory card is changed.

Format Memory Card	<p>Yes / No</p> <p>You can use the Format Memory Card menu to delete all of the content that is currently on your camera's memory card or internal memory. Keep in mind that formatting the memory card or internal memory will permanently delete all of the content on your camera's memory card or internal memory. This option will delete all of the content at one time. If you would like to delete individual images, use the delete menu in the camera's Playback mode.</p>
Start-Up Image	<p>Off / System / My Image</p> <p>Allows you to turn off/on the image that appears by default on the LCD screen every time the camera is powered on.</p>
Default Setting	<p>Yes / No</p> <p>Resets the entire menu and button operation settings to the initial Factory Default Settings.</p>

Installing the Software

You must be connected to the Internet to install and run the Polaroid Instant Memories software.

- 1) Insert the installation CD into your CD-ROM drive.
The Polaroid Instant Memories Installer window appears.
WINDOWS OS: If the window does not appear, open the application's CD/DVD drive (AutoPlay window) and click on "runsetup.exe" to launch the installer.
MAC OS: If the window does not appear, click the icon that appears on the desktop to install the Polaroid Instant Memories.
- 2) If you do not have Internet access at the time of inserting the CD-ROM, connect to the Internet and then click the "Install Polaroid Instant Memories" button to begin the installation.
Note: If you do not have Internet access, you can still download media from the camera. Click the "How to transfer photos and videos from my camera to my computer" button for instructions.
- 3) If you have Internet access, the "Choose your language" window opens, choose your language and click "Next" to open the next window.
- 4) Select your camera model from the list and click "Next" to open the next window.
- 5) Click "Next" to confirm your camera model selection and to install the application.
- 6) Please wait while the application is being installed on your computer.
- 7) Please review the license terms.
On WINDOWS OS and MAC OS: Click the "I accept the terms of the License Agreement" and then click "Next" to continue.
- 8) WINDOWS OS only: Let the "Polaroid Instant Memories" installer create the folder to where the program will be installed, and then click "Install".
- 9) Please wait while the application continues the installation process on your computer.
MAC OS: If needed, please follow instructions to install the Adobe® Flash® Player.
- 10) WINDOWS OS: Click the "Close" button when the installation is complete, and then click the "Launch Polaroid Instant Memories" to open the application.
MAC OS: Click the "Quit" button when the installation is complete.
Click the "Launch Polaroid Instant Memories" to open the application.
- 11) If you close the application you can run the Polaroid Instant Memories from the Programs (PC) or Application (Mac) menu on your computer or double click the Polaroid Instant Memories desktop icon.



Connecting the Camera to the Computer

- 1) Power the camera ON.
- 2) Use the supplied USB cable to connect your camera to your computer.
Insert the smaller end of the USB cable into the USB interface of the camera.
Insert the larger end of the USB cable into the USB port of your computer.
- 3) 'Connecting' appears briefly on the camera's LCD screen, indicating the camera is connected to your computer in MSDC mode.
- 4) The first time you connect the device to the computer you may have to wait a few seconds until the computer recognizes the device.

Getting Photos and Videos from the Camera to the Computer

IMPORTANT: Your camera must have the memory card inserted. Do not disconnect the cable during transfer. Doing so will cancel the transfer of any files on their way to your computer.

- 1) Select the "Get Images" button from the Main menu.



- 2) The “Get media from device” window opens.
- 3) You can select to download photos, videos or both.
- 4) Select your camera (removable disk) from the device window. If your camera is the only USB device connected then it will be selected automatically.
- 5) Select a location on the computer where to place the new photo and video files.
- 6) Add the new photo and video files to albums if desired.
- 7) Select to remove the media files from the selected device (removable disk) after the import.
- 8) Click the “Get Media” button to transfer the photos and videos from your camera to your computer.
- 9) A media download progress bar appears on the bottom left showing the number of media files downloading to your computer. A message appears when the download is complete.
- 10) The photo and video files that you selected are now downloaded to your computer to the selected folder and albums ready for your use.

Get Started!

Using the Polaroid Instant Memories, you can:

- Upload and manage photos and videos to and from the most popular photo sharing and social networking sites - Facebook, Flickr, Picasa, MySpace, Photobucket, Twitter and YouTube
- Seamlessly transfer photos and videos from one social network to another
- Organize your images by creating offline and online albums
- Edit images using automatic and manual tools

For more details on how to use the Polaroid Instant Memories open the “Help” from the menu option.

Transferring Images from the Camera to the Computer Manually

Transferring Photos and Videos: WINDOWS OS

- 1) Use the supplied USB cable to connect your camera to your computer.
- 2) MSDC appears on the LCD.
- 3) A window appears with a list of options, select “Open folder to view files” and click “OK”.
- 4) Open the DCIM folder and the folder inside to view the media files.
- 5) Select the media and copy the files from this folder into your computer. Optionally, select the files and choose “Copy” from the Edit menu. Then select a folder and choose “Paste” from the Edit menu.
- 6) We recommend that you copy the images into the Pictures/My Pictures folder and the videos into the Videos/My Videos folder.
- 7) Do not disconnect the cable during transfer. Doing so will cancel the transfer of any files on their way to your computer.

Transferring Photos and Videos: MACINTOSH OS

- 1) Use the supplied USB cable to connect your camera to your computer.
- 2) MSDC appears on the LCD.
- 3) The camera’s device icon appears on the desktop.
- 4) Click on the device icon and open the DCIM folder and the folder inside to view the media files.
- 5) Select the files and drag them into your computer. Optionally, select the files and choose “Copy” from the Finder’s Edit menu. Then select a folder and choose “Paste” from the Edit menu.
- 6) We recommend that you copy the images into the Pictures folder and the videos into the Movies folder.
- 7) Do not disconnect the cable during transfer. Doing so will cancel the transfer of any files on their way to your computer.

Transferring Photos and Videos: Apple iPad

Note: Please check your device packaging for compatibility with the iPad.

Apple iPad Camera Connection:

For models that are compatible with the iPad, photos and videos can be imported from your digital camera to your iPad by following either one of the options below:

1) Connecting your digital camera to your iPad using an iPad Camera Connector:

Plug the Camera Connector into the dock connector port on your iPad, and then attach your digital camera using a USB cable (included) to the Camera Connector.

NOTE: The iPad Camera Connector is not included. This item may be purchased separately.

2) Using an iPad SD Card Reader:

Connect the SD Card Reader to your iPad, and then insert your digital camera's SD Memory card into the slot to import photos and videos directly from your camera's SD card.

Note: The iPad SD Card Reader is not included. This item may be purchased separately.

After you make the connection, your iPad automatically opens the 'Photos' application. This allows you to choose which photos and videos to import and to organize them into albums.

Connecting the Camera to an HDTV

Use your larger TV screen in place of the camera's LCD screen by connecting an HDMI Cable (not included, purchased separately) from the digital camera to an HDTV.

Once connected, the camera's LCD screen turns blank and the camera can be used to playback your captured photos and videos. The images will appear on the TV screen instead of on the camera's LCD screen.

To connect your camera to an HDTV:

- 1) Open the USB/HDMI port cover.
- 2) Connect the camera to an HDTV with an HDMI cable (not included) by inserting the smaller end of the cable into the HDMI slot of the camera, and the larger end into the appropriate HDMI port on the television.
- 3) Power on the HDTV and the camera.
Note: The camera's LCD screen will be blank.
- 4) Select the appropriate HDMI source from your television menu settings.
- 5) The camera is automatically set to Playback Mode showing the latest captured image on the HDTV. Use the camera's buttons/controls as you would normally to view your photos and play your videos on the HDTV.

Camera Maintenance

The digital camera is a delicate device.

Please handle your camera with care to avoid damaging it.

Do not expose your camera to heat sources.

Do not use you camera in wet or moist conditions.

Warranty Card

This warranty covers the original consumer purchaser only and is not transferable.

This warranty covers products that fail to function properly UNDER NORMAL USAGE, due to defects in material or workmanship. Your product will be repaired or replaced at no charge for parts or labor for a period of one year.

What Is Not Covered by Warranty

Damages or malfunctions not resulting from defects in material or workmanship and damages or malfunctions from other than normal use, including but limited to, repair by unauthorized parties.

To obtain Warranty Service and Troubleshooting information:

Call 877-408-0033 or Visit our website at www.polaroid.com.

To receive Warranty service along with the name and address of an authorized product service center, the original consumer purchaser must contact us for problem determination and service procedures. Proof of purchase in the form of a bill of sale or receipted invoice, evidencing that the Product is within the applicable Warranty period(s), MUST be presented in order to obtain the requested service. It is your responsibility to properly package and send any defective products along with a dated copy of proof of purchase, a written explanation of the problem, and a valid return address to the authorized service center at your expense. Do not include any other items or accessories with the defective product. Any products received by the authorized service center that are not covered by warranty will be returned unrepaired.

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*Some countries, states or provinces do not allow the exclusion or limitation of incidental or consequential damages or allow limitations on warranties, so limitation or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or province to province. **Contact your authorized retailer to determine if another warranty applies.***

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Technical Support

For technical support issues please visit our website at www.polaroid.com. For further assistance, you can also call our technical support department toll free at 877-408-0033, or for e-mail support, please contact us at polaroid@sakar.com.

Troubleshooting

Q: I have taken photos and selected the “Get Images” button. I get a message that the images were successfully transferred but the photos do not appear on my computer.

What do I do?

First ensure that you have in fact taken photos. Press the Shutter button to take some sample photos and then try downloading them again.

With test photos (if applicable to your camera), if the camera's power is off before you upload them to the computer, the photos are not stored in the camera's memory. These photos should be uploaded quickly before the camera's power is off. If the photos are saved to the SD memory card, then all the photos should appear.

Q: How do I make sure I don't lose important pictures?

This camera requires an SD card for normal use. If the camera's power is off, nothing will happen to the images stored on the SD memory card. We recommend always downloading your photos to your computer as soon as possible to prevent unintentional data loss.

Q: I deleted images using the Polaroid Instant Memories. The images were also deleted from my computer. How do I recover images that I accidentally deleted?

All images deleted using the Polaroid Instant Memories are sent to your computer's Recycle or Trash Bin and can be retrieved from there.

E-Waste / FCC Declaration



Disposal of Waste Electrical and Electronic Equipment and/or Battery by users in private households in the European Union.

This symbol on the product or on the packaging indicates that this can not be disposed of as household waste. You must dispose of your waste equipment and/or battery by handling it over to the applicable take-back scheme for the recycling of electrical and electronic equipment and/or battery. For more information about recycling of this equipment and/or battery, please contact your city office, the shop where you purchased the equipment or your household waste disposal service. The recycling of materials will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment.



WEEE



Battery

E-Waste - PLR IP Holdings, LLC, its licensees, affiliates, and Sakar International, Inc. fully supports all electronic waste initiatives. As responsible stewards of the environment, and to avoid violating established laws, you should properly dispose of this product in compliance with all applicable regulations, directives or other governances in the area where you reside. Please check with local authorities or the retailer where you purchased this product to determine a location where you can appropriately dispose of the product.

You may also go to www.polaroid.com and reference Social Responsibility to learn more about the specific laws in your area and to locate a collection facility near your home.

If your electronic device has internal memory on which personal or other confidential data may be stored, you may want to perform a data sanitization process before you dispose of your device to assure another party cannot access your personal data. Data sanitization varies by the type of product and its software, and you may want to research the best sanitization process for your device before disposal. You may also check with your local recycling facility to determine their data sanitization procedures during the recycling process.

This device complies with the 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.

Caution: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

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