Polaroid

izone™ SERIES

FUN

SIMPLE

AFFORDABLE

DVF-130

USB DIGITAL CAMCORDER

USER'S MANUAL

FCC STATEMENT

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.
(2) This device must accept any interference received, including interference that may cause undesired operation.

Note:

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio 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 an experienced radio/TV technician for help.
  Use of shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual.
If such changes or modifications should be made, you could be required to stop operation of the equipment.

Notice:

If static electricity or electromagnetism causes data transfer to discontinue midway (fail), restart the application or disconnect and connect the communication cable(USB, etc.) Again.

Notice

If static electricity or electromagnetism causes data transfer to discontinue midway (fail), restart the application or disconnect and connect the communication cable (USB, etc.) Again.

This product contains electrical or electronic materials. The presence of these materials may, if not disposed of properly, have potential adverse effects on the environment and human health. Presence of this label on the product means it should not be disposed of as unsorted waste and must be collected separately. As a consumer, you are responsible for ensuring that this product is disposed of properly.
To find out how to properly dispose of this product, please go to www.polaroid.com and click on "Company" or call the customer service number for your country listed in the instruction manual.

READ THIS FIRST

Trademark Information

- Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.
- Pentium® is a registered trademark of Intel Corporation.
- Macintosh is a trademark of Apple Inc.
- SD™ is a trademark.
- Other names and products may be trademarks or registered trademarks of their respective owners.

Product Information

- Product design and specifications are subject to change without notice. This includes primary product specifications, software, software drivers, and user's manual. This User Manual is a general reference guide for the product.

- The product and accessories that come with your camera may be different from those described in this manual. This is due to the fact that different retailers often specify slightly different product inclusions and accessories to suit their market requirements, customer demographics, and geographical preferences. Products very often vary between retailers especially with accessories such as batteries, chargers, memory cards, cables, pouches, and language support. Occasionally a retailer will specify a unique product color, appearance, and internal memory capacity. Contact your dealer for precise product definition and included accessories.

- The illustrations in this manual are for the purpose of explanation and may differ from the actual design of your camera.

- The manufacturer assumes no liability for any errors or discrepancies in this user manual.

SAFETY INSTRUCTIONS

Read and understand all **Warnings** and **Cautions** before using this product. **Warnings**

If foreign objects or water have entered the camera, turn the power off and remove the batteries.
Continued use may cause an injury. Please call our friendly customer service for assistance.

If the camera has been dropped or its case has been damaged, turn the power off and remove the batteries.
Continued use may cause an injury. Please call our friendly customer service for assistance.

There is no user serviceable parts: DO NOT DISSASSEMBLE!
For repair, please call our friendly customer service for assistance.

Do not use the camera in areas near water.
Take special care during rain, snow, on the beach, or near the shore. Exposing the camera to these conditions may cause damage to it.

Do not place the camera on unstable surfaces.
This may cause the camera to fall or tilt over, causing damage.

Keep the batteries out of the reach of children.
Batteries should only be replaced by an adult. Children must be supervised by an adult when they are replacing the batteries.

Do not use the camera while you are walking,driving or riding a motorcycle.
This may cause personal injury or result in traffic accident.

Cautions

Load the batteries paying careful attention to the polarity (+or-) of the terminals.
Loading the batteries with their polarities inverted may cause personal injury, or damage to the surrounding areas due to the battery rupturing or leaking.

Do not subject the LCD display to impact.
This may damage the glass on the screen or cause the internal fluid to leak. If the internal fluid contacts your eyes, rinse with fresh water.
If the fluid contacts you clothing rinse with water and seek medical attention immediately.

A camera is a precision instrument. Do not drop, strike, or use excessive force when handling the camera.
This may cause damage to the camera.

Do not use the camera in humid,steamy,smoky,or dusty places.
This may cause fire or electric shock.

Do not remove the batteries immdiately after a long period of continuous use.
The batteries may become warm and possibly cause personal injury.

Do not wrap the camera or place it in cloth or blankets.
This may cause heat to build up and deform the case. Use the camera in a well-ventilated place.

Do not leave the camera in places where the temperature may rise significantly such as inside a car.
This may adversely affect the case or the parts inside.

Before you move the camera, disconnect cords and cables.
Failure to do this may damage cords and cables.

Using Your Batteries

Our laboratory testing has shown that our digital camera models comply with industry standard battery consumption levels (Camera & Imaging Products Association commonly known as CIPA). All digital cameras are high drain products. For the best performance and prolonged battery life, we recommend the use of high capacity batteries designed for such applications.

Here are some helpful hints to extend battery life considerably by limiting the following activities:

- Reviewing the pictures on the LCD Screen
- Using the optical viewfinder (if your camera has one) to frame the subject when taking pictures
- Excessive use of the flash
- Remove batteries from your camera when not in use.

WARNING!

- Batteries should be replaced by an adult.
- Use recommended or equivalent type of batteries only.
- Insert the batteries in the correct orientation.
- Remove exhausted batteries from the camera immediately.
- Do not short the supply terminals.
- Please dispose of the batteries properly.

These instructions should be retained for future reference.

Questions?

Call our toll-free customer service number. Look for the insert with this icon:
Or visit www.polaroid.com.

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INTRODUCTION

Overview

Congratulations on your purchase of your new Polaroid digital video camera. Capturing high-quality digital images and video is fast and easy with this state-of-the-art smart camera. Equipped with a 1.3-megapixel sensor, this camera is capable of capturing video and still images with exceptional clarity and vibrant color.

Package Contents

Carefully unpack your camera and ensure that you have the following items:

- Digital Video Camera
- Software CD-ROM
- 2AA size batteries

Common(Optional) Accessories:

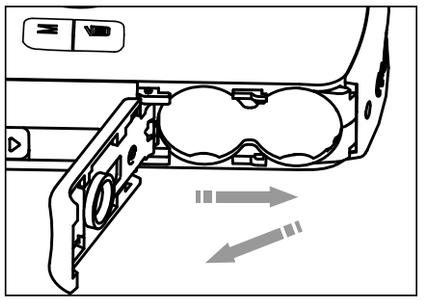
- SD or SDHC memory card (We recommend the use of a Polaroid memory card up to 2 GB for SD and up to 8 GB for SDHC)

- Accessories and components may vary by retailer.

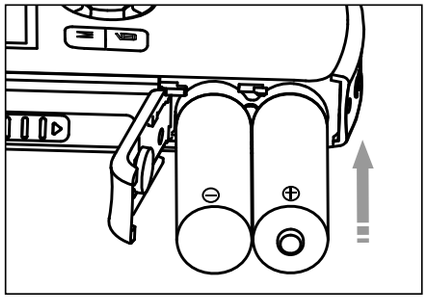
Getting Started

Installing the batteries

1. Open the battery door as shown in the illustration.

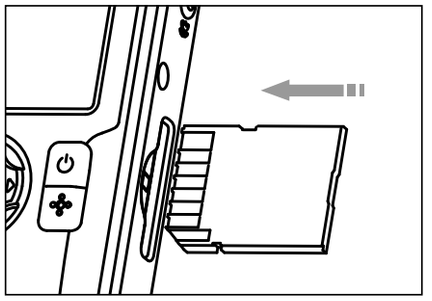


2. Load the batteries with correct orientation as shown.
3. Close the battery door and make sure it is locked securely.

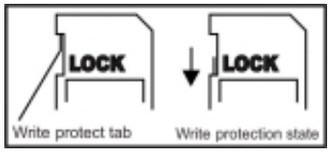


Inserting a memory card

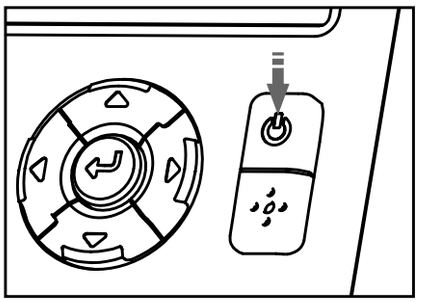
1. The camera has 16MB internal memory, but you can expand your camera's memory by installing a SD/SDHC memory card (We recommend the use of a Polaroid SD card up to 2GB and up to 8GB for a SDHC).
2. Be sure to format the memory card with this camera before its initial usage.
   - Press and hold the **M** button .
   - Select [ ] menu with the ▶ button.
   - Select [ ] with the ▼ buttons, and press the ENTER button [↵].
   - Select YES with the ▼ button and press the ENTER button [↵].



- To prevent valuable data from being accidentally erased from an SD/SDHC memory card, you can slide the write protect tab (on the side of the SD/ SDHC memory card) to “LOCK”.
- To save, edit, or erase data on an SD/SDHC memory card, you must unlock the card.
- To prevent damaging of an SD/SDHC memory card, be sure to turn off the power when inserting or removing the SD/SDHC memory card. If inserting or removing the SD/SDHC memory card with the power on, the camera will automatically turn off.
- Be careful not to drop the batteries when opening or closing the battery door.



Turning the Power On/Off



- Pressing the **POWER** button once turns the camera on.
- To turn the power off, press the **POWER** button again.

- To extend battery life, the power is turned off automatically when the camera has not been operated for a fixed period of time. To resume, Press the Power button to the camera on again. Refer to section in this manual titled “Auto Off” in the Setup Menu for further details.

Questions?

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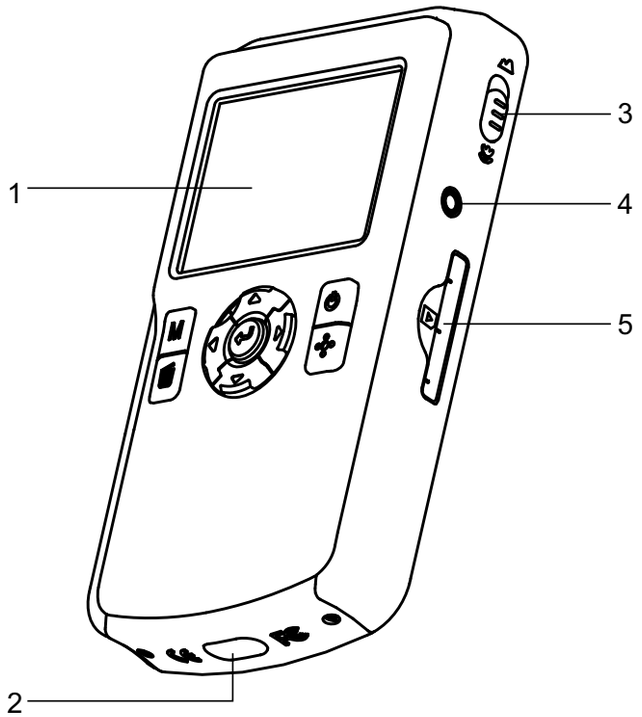
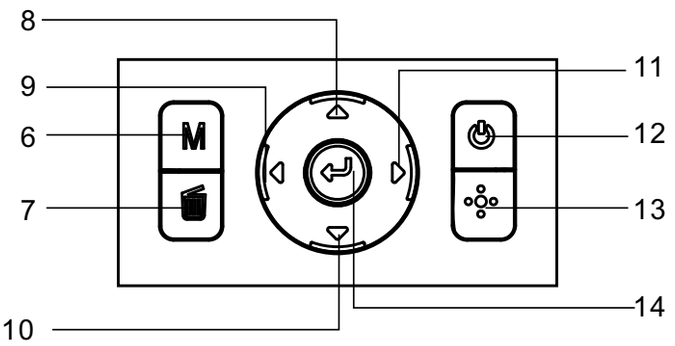
Or visit www.polaroid.com.

GETTING TO KNOW YOUR CAMERA

Front View

1. LCD Display
2. Handstrap retainer
3. Focus switch
   - Normal mode
   - Macro mode
4. AV port
5. SD card slot
6. Mode button
7. Delete button
8. UP
9. Left
10. Down
11. Right
12. Power button
13. Speaker
14. Enter

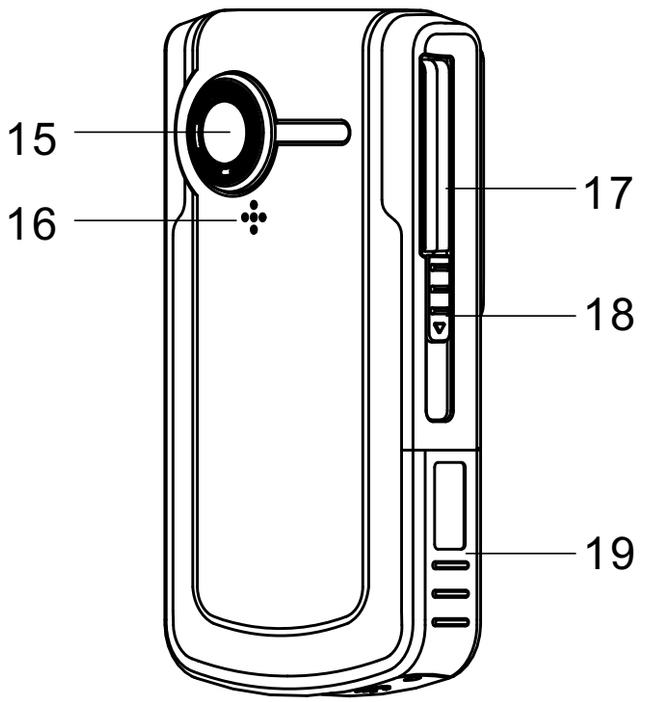




GETTING TO KNOW YOUR CAMERA

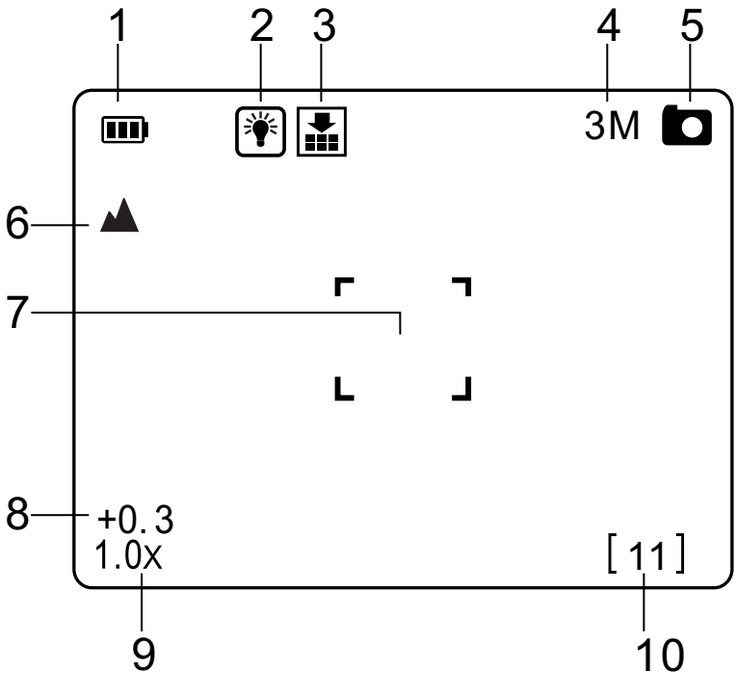
Rear View

15. Lens
16. Microphone
17. USB interface
18. USB release switch
19. Battery door



Record Mode

LCD Display Icons



1. Battery Power Level
- [ ] Full power
- [ ] Medium power
- [ ] Low power
- [ ] No power

2. White Balance
- [ ] Auto
- [ ] Sunny
- [ ] Cloudy
- [ ] Fluorescent
- [ ] Tungsten

3. Quality Setup
- [ ] Super Fine
- [ ] Fine
- [ ] Normal

4. Image size resolution

[VGA] 640 x 480
[1.3M] 1280 x 960
[3M] 2048x1536

5. Recording mode
- [ ] Photographs mode
- [ ] Videos capture mode
- [ ] Playback mode

6. Focus setting
- [ ] Normal
- [ ] Macro

7. View center

8. EV Setup

+/-0.3,+/-0.7,+/-1.0,+/-1.3,
+/-1.7,+/-2.0,0.0

9. Zoom

Show zoom value

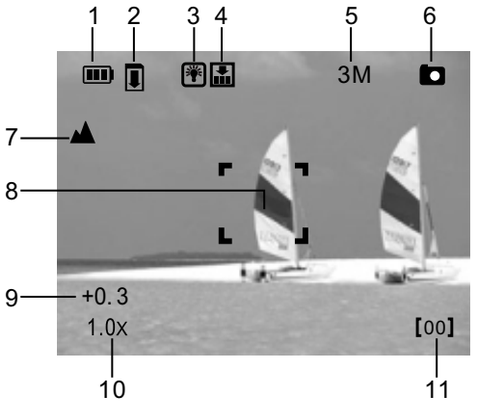
10. Counting indicator
- **[00]** Shows the number of pictures left in still camera mode
- **[00:00]** Shows the amount of time left in video mode
- **[0/00]** Shows the amount of recording time taken during recording

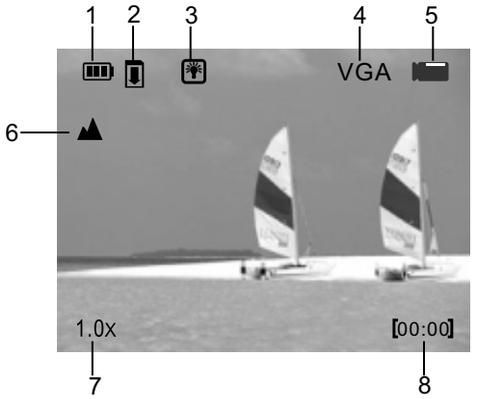
Still Image mode [ ]
1. Battery level
2. SD card icon
3. White Balance
4. Image Compression
5. Image Size
6. Still Image mode
7. Focus setting
8. Framing Guides
9. EV Setting
10. Zoom value
11. Available pictures remaining

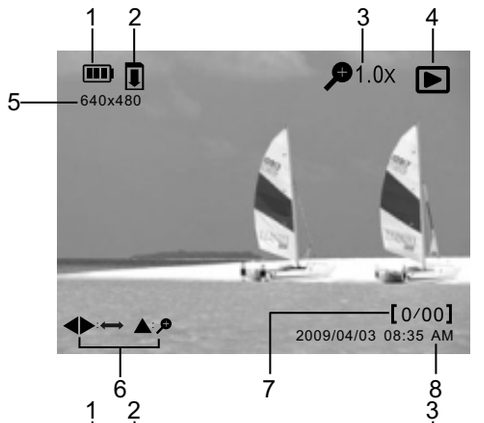
Videos mode[ ]
1. Battery level
2. SD card icon
3. White balance
4. Video resolution
5. Video mode
6. Focus setting
7. Zoom value
8. Available recording time

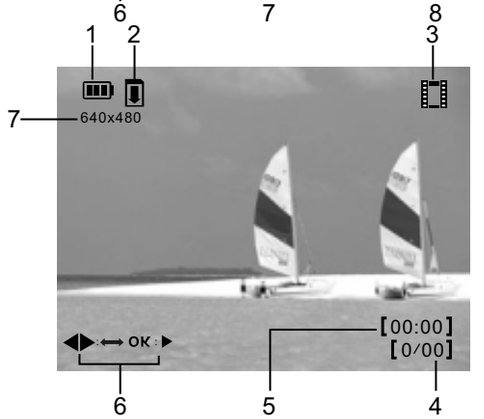
Playback mode[ ]--
Photographs Playback
1. Battery level
2. SD card icon
3. Zoom value
4. Playback mode
5. Still Image resolution
6. Playback indicator
7. Quantity of pictures in memory
8. Date / Time

Videos Playback[ ]--
1. Battery level
2. SD card icon
3. Playback mode
4. Videos in memory
5. Video length
6. Playback indicator
7. Video resolution



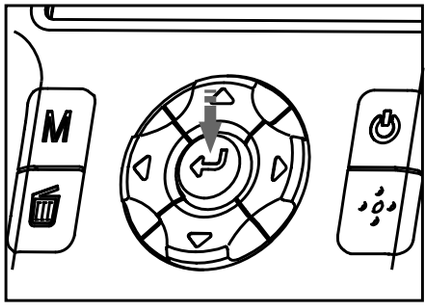






Video Recording

This mode allows you to record video clips at a resolution of VGA (640 x 480) / QVGA (320 x 240) pixels

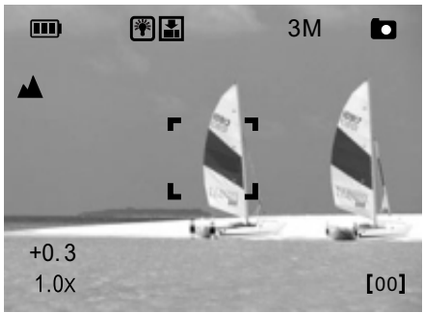


1. Press the **M** button to set the camera mode to video mode [ ].
2. Frame your subject by viewing it on the LCD display.
3. Press the ENTER button [↵].
   - Your recording will start. Press the ENTER button [↵] again to stop your recording.
   - The recording time depends on the storage size and the subject of the image to be recorded.

- If the write speed of your SD/SDHC memory card is not fast enough for recording video clips in the currently selected size, the video recording will stop. In this case, select a video size lower than the current one.
- The maximum recordable time for one continuous video clip is up to the available memory .

Photo Recording

This mode allows you to record still images at different resolutions.



1. Press the **M** button to set the camera mode to [ ].
2. Frame your image.
3. When taking photos of subjects that are at least 0.5m (1.6 feet) away from the camera, place the Focus switch in the Normal mode. If you would like to take close-up photos, slide the Focus switch to the Macro [ ] and make sure your subject is between 11 cm to 18 cm (4 to 7 inches).
4. Use the LCD screen frame your subject that you wish to photograph.
5. Press the ENTER button [⏎] capture your image.

Questions?

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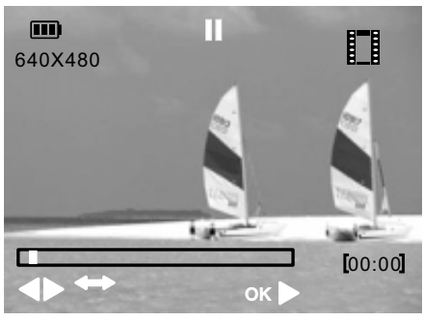
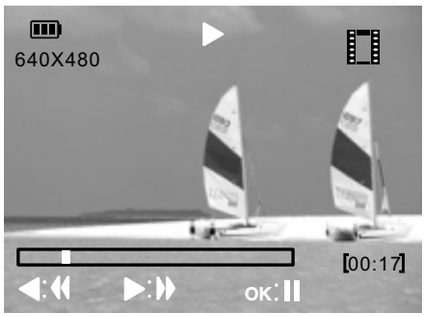
PLAYBACK MODE

Playing Back Video Clips



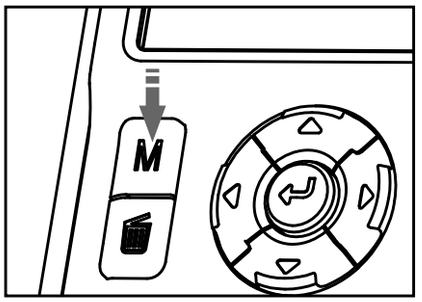


You can play back recorded video clips on the camera.

1. Press the **M** button to set the camera mode to video playback [ ] mode. The last image appears on the screen.
2. Select the desired video clip with the ◀ / ▶ buttons.
3. Press the ENTER button [⏎] to start video playback.
   - Pressing the ◀ / ▶ buttons during playback allows fast forward play / fast reverse play.
   - To pause video playback, press the ENTER button. To resume playback, press the ENTER button [⏎] again.

- Video clips cannot be displayed rotated or enlarged.
- QuickTime basic player is available free of charge, compatible with Mac and Windows-computers and can be downloaded from the Apple web site at www.apple.com. For help using QuickTime Player usage, please refer to the QuickTime on-line help for more information.

Playing Back Still Images



You can play back the still images on the LCD display.

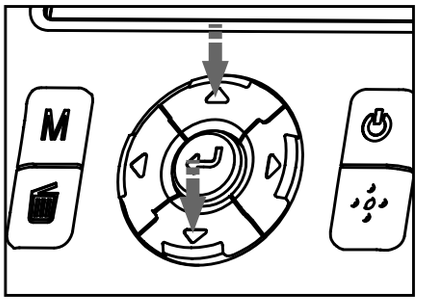
1. Press the **M** button to set the camera mode to[▶] .
   ■ The last image appears on the screen.
2. The images can be displayed in reverse or forward sequence with the ◀ / ▶ buttons.
   ■ To view the previous image, press the ◀ button.
   ■ To view the next image, press the ▶ button.
3. Press the ▲ / ▼ button to adjust the zoom . The magnification factor is shown on the LCD display.
4. To view different portion of the images, Press ENTER [⏎] once and press the ▲ / ▼ / ◀ / ▶ button to adjust the viewing area.
5. Press the ENTER button [⏎] again to return the normal playback view of the last image.

■ An [ ] icon is displayed with the video data.

■ The magnification factors range from 1x to 8x (in 8 steps: in 1X increments.).

Using the Zoom Function

This camera is equipped with 8x digital zoom. You can enlarge the subjects by pressing the ▲ / ▼ button. It is a useful feature, however, the more the image is magnified, the grainer the image may become.



To capture a zoomed image, perform the following steps:

1. Press the **POWER** button to turn the camera on.
2. To activate the digital zoom, press the▲ / ▼button.
   ■ The status of digital magnification is shown on the LCD display.
3. Frame your scene and press the ENTER button [↵] to capture the image.

■ The digital magnification ranges from 1.0x to 8.0x.
■ Image noise (grain) may occur in the recorded image when using the digital zoom feature.

MENU OPTIONS

Video Menu

This menu is for the basic camera settings to be used when recording video clips.

1. Press the **M** button to set the camera mode to [ ].
2. Press and hold the **M** button to enter video setup menu..
3. Select the desired option item with the ▲ / ▼ buttons, and press the ENTER button [⏎].
4. Choose the desired setting with the ▲ / ▼ buttons, and press the ENTER button [⏎].
5. To exit from the menu, press the **M** button.

Video Resolution

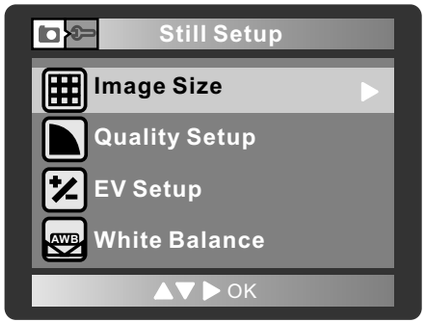
This sets the size of the video clip that will be captured.
* [VGA] 640 x 480
* [QVGA] 320 x 240

White Balance

This sets the white balance for a variety of lighting conditions and permits images to be captured that approach the conditions that are observed in your scene.
* [ ] Auto - Use this setting for most scenes.
* [ ] Sunny - Use this setting when there is full sun in your scene.
* [ ] Cloudy - Use this setting in cloudy overcast conditions.
* [ ] Tungsten - Use this settings when incandescent/tungsten lights are in your scene.
* [ ] Fluorescent - Use this settings when flourescent lights are in your scene.

Photo Menu

This menu is for the basic camera settings to be used when capturing still images.



1. Press the **M** button to set the camera mode to **STILL CAMERA**[ ].
2. Press and hold **M** button to enter Still Setup menu.
3. Select the desired option with the ▲ / ▼ buttons, and press the ENTER button [ ].
4. Choose the desired setting with the ▲ / ▼ buttons, and press the ENTER button[ ].
5. To exit from the menu, press the **M** button.

Image Size

This sets the size of the image that will be captured .

* [**3m**] 3M (2048 x 1536 pixels interpolation)
* [**1.3m**] 1.3M (1280 x 960 pixels)
* [**VGA**] VGA (640 x 480 pixels)

Quality Setup (Image Compression)

This sets the quality (compression) at which the image is captured.

* [ ] Super Fine
* [ ] Fine
* [ ] Normal

EV Setup
Refer to section in this manual titled “Adjusting the Exposure (EV Compensation)” for further details.

White Balance
This sets the white balance for a variety of lighting conditions and permits images to be captured that approach the conditions that are observed in your scene.

* [AWB] Auto - Use this setting for most scenes.
* [☀] Sunny - Use this setting when there is full sun in your scene.
* [☁] Cloudy - Use this setting in cloudy overcast conditions.
* [▭] Tungsten - Use this settings when incandescent/tungsten lights are in your scene.
* [▭] Fluorescent - Use this settings when flourescent lights are in your scene.

Playback Menu

Erasing a single video or image / Erasing all videos or images

1. Press the **M** button to set the camera mode to[ ] / [ ].
   - The last video / image will be displayed on the screen.
2. Select the video / image that you want to erase with the ◀ / ▶ .
3. Press [Delete File] Button.
4. Select "Delete One" [ ] or "Delete All" [ ] then press the ENTER button [ ].
5. Select [NO] or [YES] with the ▲ / ▼ buttons, and press the ENTER button [ ].
   - Once an image or video clip is deleted, it cannot be recovered.

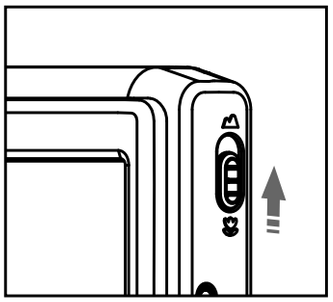
- Deleting an video / image will not affect sequential video / image numbering. For example, if you delete video / image number 240, the next captured video / image will be numbered 241 even though 240 no longer exists. In other words, an video / image-number is retired when an video / image is deleted and will not be reused or reassigned to another subsequently captured video / image.

Setting Up Your Camera

Setting the Focus

Images can be captured by sliding the focus switch to set the focus modes: [▲] macro or [❀] normal mode. The focus range of macro mode is 4.3” to 7.0”(11cm to 18cm); normal mode is 20” to Infinity (0.5m to Infinity).

1. Press the **POWER** button to turn the camera on.
2. Slide the focus switch to your desired focus setting based on the subject distance.
3. Frame your scene and press the ENTER button [⏎].



Warning! : Your image(s) will be unsharp if you are not within the macro focus range.

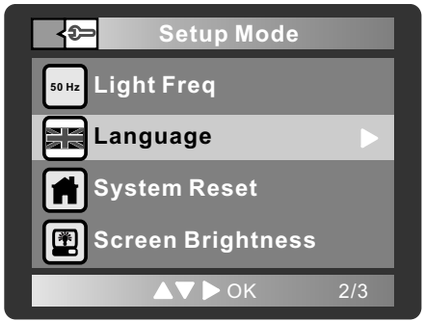
The table below will help you choose the appropriate focus mode:

FOCUS MODE	DESCRIPTION
▲ Normal	This mode is suitable for scenery and portrait shooting.
❀ Macro	Select macro to capture close-up images. When the lens is set to its widest position you may focus objects as close as 11cm(4.3”).

Choosing your Language

Specify which language the menus and messages are to be shown on the LCD display

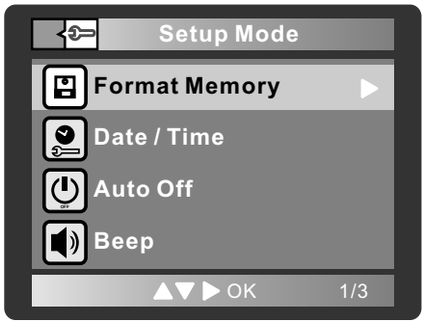
1. Press and hold the **M** button.
2. Select [Setup Mode] menu with the ▶ button.
3. Select [Language] with the ▼ buttons, and press the ENTER button [⏎].
   - The Language setting screen will be displayed.
4. Select the display language with the ▲/▼ buttons, and press the ENTER button [⏎].
   - The setting will be stored.
   - To exit from any menu selection, press the **M** button.

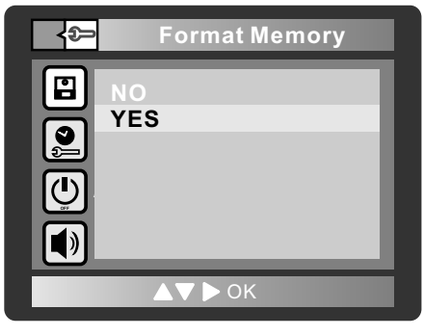


Formatting the Memory Card or Internal Memory

This utility formats the internal memory (or memory card) and erases all stored images and data.

1. Press and hold the **M** button .
2. Select [Setup Mode] menu with the ▶ button.
3. Select [Format Memory] with the ▼ buttons, and press the ENTER button [⏎].
4. Select YES with the ▼ button and press the ENTER button [⏎].

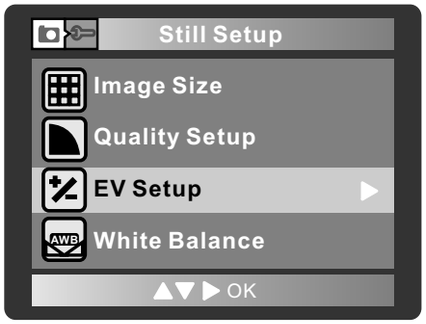


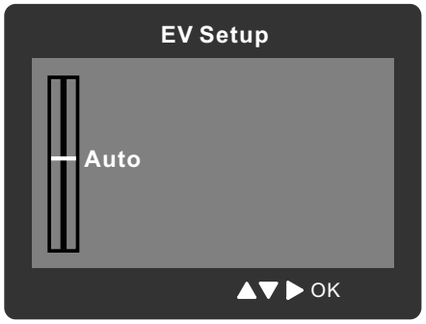


Adjusting the Exposure (EV Compensation)

You can manually adjust the exposure determined by the digital camera. Use this mode when the proper exposure cannot be obtained, for example, when the contrast (difference between light and dark areas in your scene) between the subject and the background is extremely large.
The EV compensation value can be set in the range from-2.0EV to +2.0EV.

1. Press and hold the **M** button.
   ■ The [Still Setup] menu is displayed.
2. Select [EV Setup] with the ▼ button, then press the ENTER button [⏎].
3. Use ▲ or ▼ to set the range of EV compensation value from -2.0EV to +2.0EV, then press the ENTER button [⏎].
4. To exit from the menu, press the ◀ button.



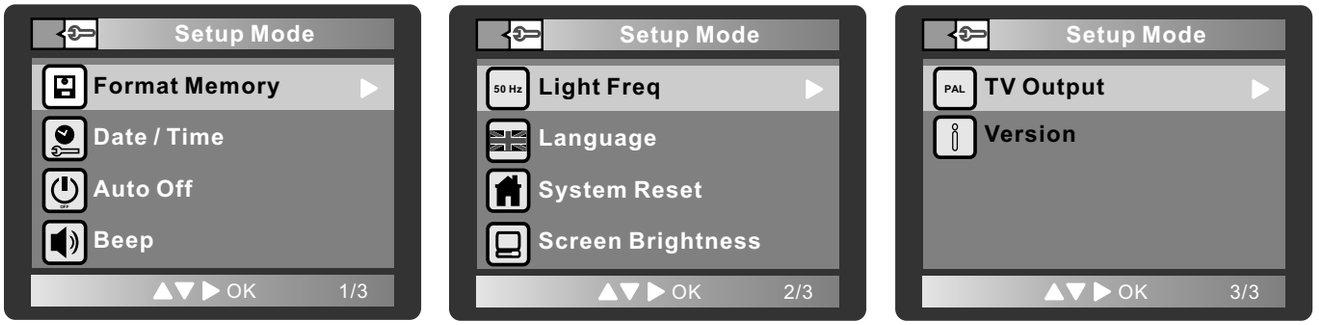


Helpful Hints on How to Use EV Settings

+(Positive) compensation	-(Negative)compensation
* Printed matter with black text on white paper. * Back lit scene. * Bright scenes or strong reflected light such as ski slopes or beach scenes. * When the sky accounts for a large area on the screen.	* People illuminated by a spotlight, in particular, against dark background. * Printed matter with white text on black paper. * Weak reflecting bodies such as trees or dark leaves

Setup Menu

Choose how you want your camera to work:



1. Press and hold **M** button to enter setting menu.
2. Select the [Setup Mode] with the▶ button.
3. Select the desired option item with the ▲ / ▼ buttons, and press the ENTER button [⏎] to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the ENTER button [⏎].
5. To exit from the menu, press the **M** button.

Format Memory

Refer to section in this manual titled “Formatting the Memory Card or Internal Memory” for further details.

Date / Time

Date and Time setting.

Auto Off

When the camera is not used for a specific period of time, the power to the camera is automatically turned off. This feature is useful for extending battery life.

* 1 min / 3min / Off

Beep

This sets whether or not to mute the camera sound each time you press the cameras' buttons.

* On / Off

Light Freq

The function allows to change the light frequency of environment to 60Hz or 50Hz.

* [60Hz] The light frequency of environment is 60Hz like the US.
* [50Hz] The light frequency of environment is 50Hz like the UK.

Language
Refer to section in this manual titled “Choosing the Language” for further details.
* English / T-Chinese / S-Chinese / French/ Deutsch / Italian / Spanish / Portuguese / Japanese / Fijian

System Reset
Restore default setting.
* NO / YES

Screen Brightness
* 0.0 / +1.0 / +2.0/ -1.0/-1.0/-2.0

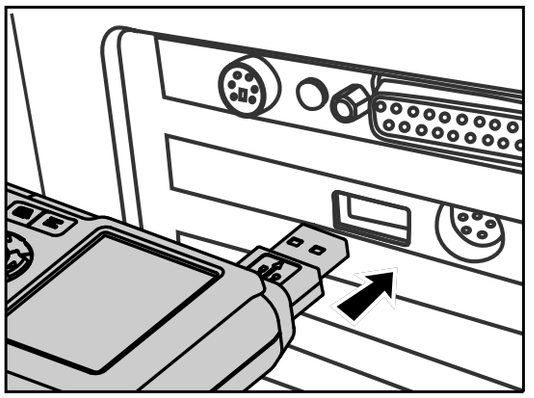
TV Output
* NTSC / PAL

Questions?

Call our toll-free customer service number. Look for the insert with this icon:
Or visit www.polaroid.com.

Downloading Your Files

Viewing Photos and Videos on PC

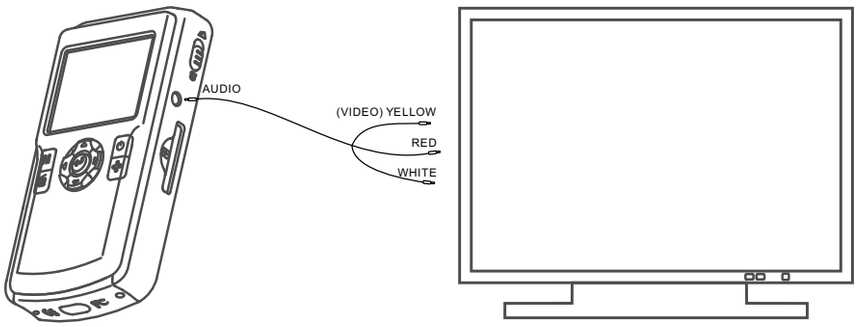


1. Slide the USB switch.
2. USB interface will automatically pop-up.
3. Slide the USB into your PC as shown in the illustration.
4. Double click on the removable disk and locate the DCIM folder.
   - Movies and pictures can be found on your computer at “My Computer\ Removable Disk\DCIM\100MEDIA.” In this folder, you can view, delete, move, or copy the recorded videos and pictures you want.
5. Uploading video files to YouTube. You can also share the recorded videos on YouTube website via the built-in YouTube Direct application which offers you an easy way to upload your video clips to YouTube instantly.

Viewing Photos and Videos on a TV

Connecting to TV

1. Connect one end of the AV cable to your camera’s AV out port.
2. Connect the other end of the cables to a television.
3. Set video input source of your TV to the “ AV in” option.
4. The steps for viewing stored photos and videos on a TV are exactly the same as for viewing them on the LCD display.



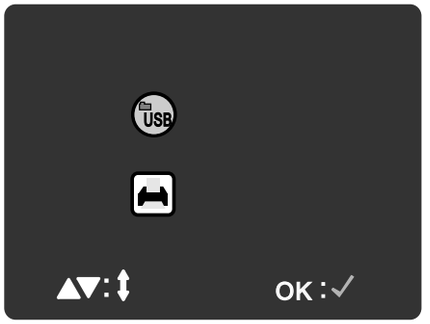
The camera will not capture a movie recording or picture taking when it is connected to a TV. The LCD display will not turn on when the camera is connected to a TV.

Connecting to a PictBridge Compliant Printer

Read this section if the model you purchased is included with the PictBridge functions.
If a printer that supports PictBridge is available, images can be printed by connecting the unit to the PictBridge-compatible printer without using a computer.

Connecting the camera to the printer

1. Connect the USB plug from camera to the USB port on the printer.
2. Select [Printer] with the▲ /▼ buttons, and press the **ENTER** button [⏎].

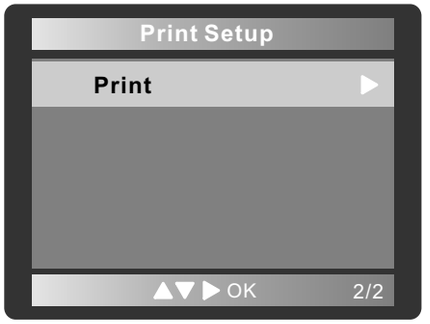


Printing images

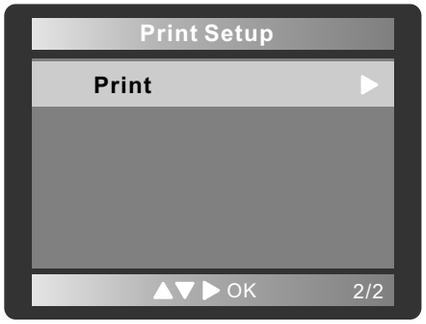
When the camera is properly connected to a Pict-Bridge compliant printer and set to [Pictbridge], the Pict-Bridge menu is shown on the display.

Select the item you want to configure with the ▲ / ▼ buttons, and press the **ENTER** button.

- [Paper Size] : Select the desired paper size according to the printer type.
- [Quality] : Select the quality to print specific image. (Draft / Normal / Fine)
- [Date On/Off] : Select On/Off for printing the date on photos.
- [Quantity] : Select the quantity for printing the specific image. (From 1 to 9)
- [Print] : After all settings are configured, select this item to start printing.



4. Select [Print] with the ▲ / ▼ buttons, and press the ENTER button [⏎] to start printing.



5. The printing starts.
   ■ The [PRINTING] will be displayed temporarily, reminding you that the printing procedure is processing.

The image printing may be failed if the power to the camera is cut off.
For service, support and warranty information visit www.polaroid.com.
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TRANSFERRING FILES TO YOUR COMPUTER

System Requirement

WINDOWS	MACINTOSH
■ Pentium III 800 or equivalent ■ Windows XP/Vista ■ 256MB RAM (512 MB recommended) ■ 150MB available hard disk space ■ CD-ROM drive ■ Available USB port	■ PowerPC G3/G4/G5 ■ OS 9.0 or later ■ 256MB RAM (512 MB recommended) ■ 128MB available hard disk space ■ CD-ROM drive ■ Available USB port

DEFAULT SETTINGS

Still Setup		Video Setup		Setup Mode	
Image Size	1280X960	**Movie Size**	640x480	**Format Memory**	NO
Quality Setup	Fine	**White Balance**	Auto	**Date / Time**	Date Format
EV Sstup	Auto			**Auto Off**	3 min
White Balance	Auto			**Beep**	ON
Date Stamp	No stamp			**Light Freq**	60Hz
				Language	English
				System Reset	NO
				Screen Brightness	0
				TV Output	NTSC

Questions?

Call our toll-free customer service number. Look for the insert with this icon:
Or visit www.polaroid.com.

SPECIFICATIONS

ITEM		DESCRIPTION
Sensor		1.3 Mega pixel CMOS sensor
Image resolution	DV	VGA (640x480) QVGA (320x240)
	DC	3.0 Mega pixels: (2048x1536) 1.3 Mega pixels: (1280x960) VGA: (640x480)
Recording media		16MB internal memory Supports SD memory card (Up to 2 GB for SD and up to 8 GB for SDHC)
File format		Image format: JPEG; video format: AVI
Lens		F/2.8 f=8.5mm
Focus range		Macro: 4.3”~7.0”(11cm ~ 18cm) Normal:20” ~ infinity (0.5m ~ infinity)
Shutter speed		1 - 1/1000 sec
LCD display		2.0” full color LTPS-TFT LCD
Exposure compensation		-2.0EV~ +2.0EV (in 0.3EV increments)
White balance		Auto, Sunny, Cloudy, Tungsten, Fluorescent
Interface		USB connector
Power		2 x AA size batteries (Alkaline)
Dimensions		Approx. 110 x 60 x 25 mm (without protruding parts)
Weight		Approx. 82g (without batteries and memory card)
TV-out		NTSC/PAL
PC interface		USB 1.1

Design and specifications are subject to change without notice.

APPENDIX

Possible Number of Shots

■ Possible number of shot (still image)

The table shows the approximate shots that you can capture at each setting based on the capacity of the internal memory and the SD/SDHC memory card.

Size	Quality	SD/SDHC memory card capacity							
		64M	128M	256M	512M	1GB	2GB	4GB SDHC	8GB SDHC
3M 2048x1536 (FW interpolation)	Super Fine	47	98	199	401	805	1613	3230	6460
	Fine	87	179	362	730	1464	2933	5874	11748
	Normal	107	219	443	892	1790	3586	7180	14360
1.3M 1280x960 (FW interpolation)	Super Fine	94	194	392	790	1586	3177	6362	12724
	Fine	145	297	601	1210	2426	4860	9731	19462
	Normal	177	361	730	1469	2947	5902	11816	23632
QVGA 640x480 (FW interpolation)	Super Fine	190	389	786	1582	3173	6356	12726	25452
	Fine	261	533	1077	2166	4343	8698	17414	34828
	Normal	301	614	1240	2494	5001	10016	20053	40106

■ Possible recording time / sec (video clip)

Size	SD/SDHC memory card capacity							
	64M	128M	256M	512M	1GB	2GB	4GB SDHC	8GB SDHC
VGA 640x480	01:26	02:55	05:53	11:51	23:44	47:33	95:12	190:30
QVGA 320x240	01:42	03:28	07:01	14:06	28:16	56:36	113:19	226:50

- The above data shows the standard testing results. The actual capacity varies according to the shooting conditions and settings.
- The maximum recordable time for one continuous video clip is 00:59:59.

Troubleshooting

Refer to the symptoms and solutions listed below before sending the camera for repairs.
If the problem persists, contact Polaroid customer service.

SYMPTOM	CAUSE	SOLUTIONS / CORRECTIVE ACTIONS
The power does not come on.	1. The batteries are not loaded. 2. The batteries are weak or dead.	1. Load the batteries correctly. 2. Replace with a new set of batteries. Please use only Alkaline or Ni-MH rechargeable batteries.
The batteries or camera feels warm.	Long periods of continuous use of the camera .	
The start-up screen blinks after powering up.	The batteries have reached the end of their useful life.	Replace with a new set of batteries.
Even if I press the ENTER button, the camera does not take a picture.	The ENTER button is not pressed all the way down.	Press the ENTER button all the way down.
	The internal memory or memory card does not have any free space.	Insert a new memory card,or delete files.
	The memory card is write-protected.	Remove the write-protection.
The camera cannot focus or images are fuzzy.	The lens is dirty.	Wipe it clean with a soft, dry cloth or lens paper.
	The distance to the subject is less than the effective range.	Get your subject within the effective focus range. Make sure the lens setting is in the proper position.
Files cannot be deleted.	The file is protected	Cancel protection.
	The memory card is write-protected	Remove the write-protection.
Cannot download images.	The free space on the hard disk in your computer may be insufficient.	Check whether the hard disk has a space for running Windows, and if the drive for loading image files has a capacity at least that of the memory card inserted in the camera.

Getting Help

• Polaroid Online Services

Website: http://www.polaroid.com

• Arcsoft software Help

For United States

ArcSoft HQ Support Center
(Fremont, CA 94538)
Tel.: 1-510-979-5599
FAX: 1-510-440-7978
E-mail: support@arcsoftsupport.com
Web: http://www.arcsoft.com/en/support/

For Europe

ArcSoft Europe support Center
(Ireland)
Tel.: +353-(0)61-702087
FAX: +353-(0)61-702001
E-mail: eurosupport@arcsoft.com

For Japan

ArcSoft Japan support Center(Tokyo)
Tel.: +81-3-5795-1392
FAX: +81-3-5795-1397
E-mail:support@arcsoft.jp
Web: http://www.arcsoft.jp

For latin America

E-mail: latinsupport@arcsoftsupport.com

For China

ArcSoft China Support Center
(Hangzhou)
Tel.: +86-571-88210575
E-mail:support@arcsoft.com.cn
Web: http://www.arcsoft.com.cn/new/support

For Taiwan

ArcSoft Taiwan Support Center(Taiwan)
Tel.:+886-(0) 2-2506-9355
Fax: +886-(0) 2-2506-8922
E-mail:support@arcsoft.com.tw
Web:www.arcsoft.com.tw

Visit http://www.arcsoft.com for technical support and frequently asked questions(FAQ'S)

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