

WEEE Warning Message

Symbol for Separate Collection in European Countries

This symbol indicates that this product is to be collected separately.

The following apply only to users in European countries:..

- This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- For more information, contact the retailer or the local authorities in charge of waste management.



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, and..
- (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

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.

Product Information

1. 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...
2. 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, memory cards, cables, carrying cases/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.
3. The illustrations in this manual are for the purpose of explanation and may differ from the actual design of your camera.
4. The manufacturer assumes no liability for any errors or discrepancies in this user manual.
5. For driver updates, you can check the "Download" section of our website, www.geniusnet.com

SAFETY INSTRUCTIONS

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

Warnings

<ul style="list-style-type: none"> ■ If foreign objects or water have entered the camera, turn the power OFF and remove the batteries. Continued use in this state might cause fire or electric shock. Consult the store of purchase. 	⊘
<ul style="list-style-type: none"> ■ If the camera has fallen or its case has been damaged, turn the power OFF and remove the batteries. Continued use in this state might cause fire or electric shock. Consult the store of purchase 	⊘

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English

<ul style="list-style-type: none"> ■ Do not disassemble, change or repair the camera. This might cause fire or electric shock. For repair or internal inspection, ask the store of purchase. 	⊘
<ul style="list-style-type: none"> ■ Do not use the camera in areas near water. This might cause fire or electric shock. Take special care during rain, snow, on the beach, or near the shore. 	⊘
<ul style="list-style-type: none"> ■ Do not place the camera on inclined or unstable surfaces. This might cause the camera to fall or tilt over, causing injury. 	⊘
<ul style="list-style-type: none"> ■ Keep the batteries out of the reach of children. Swallowing batteries might cause poisoning. If the battery is accidentally swallowed, immediately consult a physician. 	⊘
<ul style="list-style-type: none"> ■ Do not use the camera while you are walking, driving or riding a motorcycle. This might cause you to fall over or result in traffic accident. 	⊘

Cautions

<ul style="list-style-type: none"> ■ Insert the batteries paying careful attention to the polarity (+ or -) of the terminals. Inserting the batteries with its polarities inverted might cause fire and injury, or damage to the surrounding areas due to the battery rupturing or leaking. 	⊘
<ul style="list-style-type: none"> ■ Do not fire the flash close to anyone's eyes. This might cause damage to the person's eyesight. 	⊘
<ul style="list-style-type: none"> ■ Do not subject the LCD monitor to impact. This might damage the glass on the screen or cause the internal fluid to leak. If the internal fluid enters your eyes or comes into contact with your body or clothes, rinse with fresh water. If the internal fluid has entered your eyes, consult a physician to receive treatment. 	
<ul style="list-style-type: none"> ■ A camera is a precision instrument. Do not drop it, strike it or use excessive force when handling the camera. This might cause damage to the camera. 	⊘
<ul style="list-style-type: none"> ■ Do not use the camera in humid, steamy, smoky, or dusty places. This might cause fire or electric shock. 	⊘
<ul style="list-style-type: none"> ■ Do not remove the battery immediately after long period of continuous use. The battery becomes hot during use. Touching a hot battery might cause burns. 	
<ul style="list-style-type: none"> ■ Do not wrap the camera or place it in cloth or blankets. This might cause heat to build up and deform the case, resulting in fire. Use the camera in a well-ventilated place. 	⊘
<ul style="list-style-type: none"> ■ Do not leave the camera in places where the temperature may rise significantly, such as inside a car. This might adversely affect the case or the parts inside, resulting in fire. 	⊘

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English

<ul style="list-style-type: none"> ■ Before you move the camera, disconnect cords and cables. Failure to do this might damage cords and cables, resulting in fire and electric shock. 	⊘
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Notes on Battery Usage

When you use the battery, carefully read and strictly observe the **Safety Instructions** and the notes described below. .

- Different battery types and surrounding temperatures may affect the battery performance...
- Avoid using batteries in extremely cold environments as low temperatures can shorten the battery life and reduce camera performance...
- The battery may feel warm when using the camera for an extended period of time or using the flash continuously. This is normal and not a malfunction...
- The digital video camera may feel warm when being used continuously or for an extended period of time. This is normal and not a malfunction...
- If you will not be using the batteries for an extended period of time, remove them from the camera to prevent leakage or corrosion...
- Always keep the terminals in a clean state...
- Never use manganese batteries...
- Risk of explosion if battery is replaced by an incorrect type...
- Dispose of used batteries according to the instructions...

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Get To Know Your Camera

1.1 Specifications

Image Sensor	Type	5M 1/2.5" CMOS Sensor
	Effective Pixels	Approx. 5.03 Mega Pixels
	Total Pixels	Approx. 5.51 Mega Pixels
Lens	Focal Length	f=7.12mm
	F No.	F3.2
	Digital Zoom	Still Image mode : 1X ~ 8X Play mode : 1X ~ 8X (depends in image size)
LCD Display		2.4" color LCD 112K dots
Focus Range	Range	Macro: 20cm, Normal : 1.2m ~ infinity
Shutter	Type	Electrical shutter
	Speed	Normal: 1/4 sec. - 1/8000 sec., Night Sense: 4 sec. 1/8 sec.
Exposure	Control	Programmed AE
	ISO Equivalent	Auto
Flash	Modes	Auto Flash, Fill-in flash, Flash off(Recharging Time Approx 5 sec.)
	Range	Working Range 1.0 ~ 2.0m
White Balance		Auto, Daylight, Cloudy, Tungsten, Fluorescent
Sharpness		Soft, Normal, Hard
Effect		Standard, Vivid, Sepia, B & W
Shooting	Still Image	Single Image, Continuous Shooting(VGA, 3M, 5M with 3 shots)
	Image Quality	Super Fine, Fine, Normal
	Scene Mode	Auto, Sport, Night Portrait, Landscape, Backlight
	Movie Clip	Size support: 320x240(QVGA), 640x480 (VGA) Quality support: 20 fps and 15fps Digital Zoom: 1X ~ 8X
Voice Recording		Yes Voice Memo in Still Image (max. 10 sec.), supports pause/resume recording
PC Cam		Yes
Selftimer		10 sec., 2 sec.
Storage	Mdeia	Internal flash memory: 16MB (Approx. 13.8MB available for image storage) External memory: supporting SD Card
	File Format	Still Image: JPEG(DCF), EXIF 2.2, DPOF 1.1, PictBrdge 1.0 Movie Clip: MJPEG, 320x240 (QVGA), 640x480(VGA), with audio
	Image Size	12M Via Interpolation: 4032x3024, 5M: 2560x1920, 3M: 2048x1536, VGA:640x480
Image Play Interface	Single image, Thumbnails, Slide show, Movie Clip	
	Digital output connector: USB 1.1	
	TV output: N/A MIC input: Yes; Buzzer out(no speaker)	
Power Source		2 x AA alkaline, Ni-MH Battery
Dimensions (WxHxD)		87.8x60.8 x24.5mm (29.9mm at the thickest part)
Weight		Approx. 86g(batteries and card exclusive)
Software	Application	Storage Driver(Win2000, WinMe, WinXP, Vista32/64



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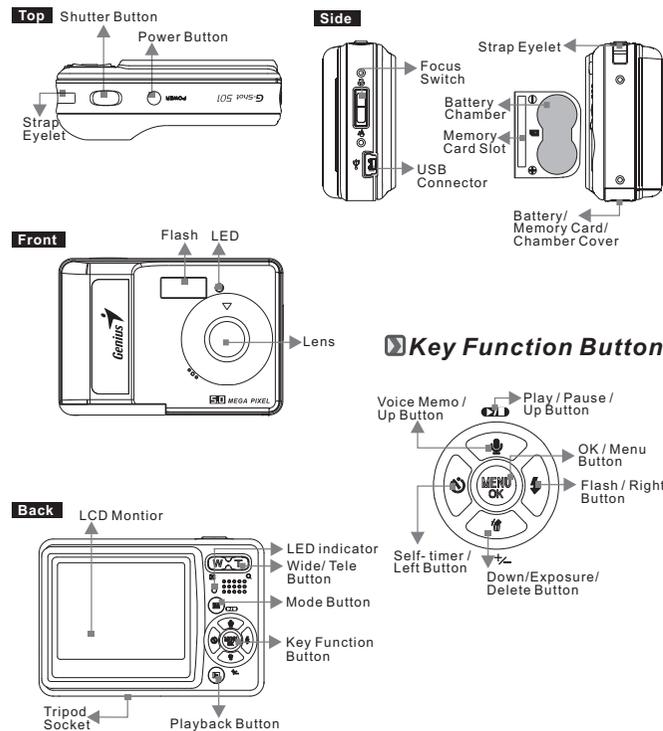
1.2 System Requirements

For Windows	<ul style="list-style-type: none"> • Windows 2000 Professional(SP4) / Windows ME / Windows XP (SP2) / Window Vista • Minimum 64MB RAM (XP:128MB) • USB port(1.1 or 2.0 Standard interface). • CD-ROM drive
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• Specifications are subject to change without prior notice.

1.3 Overall Introduction

External View



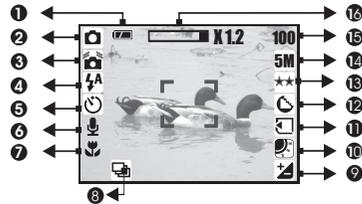
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1.4 Explanation of the status icons

Icon Display



1 Battery Status
 (Full) Battery Full
 (Half) Battery Half Drained
 (Empty) Battery Drained

2 Working Mode
 (Image) Image Shooting Mode
 (Play) Playback Mode
 (Movie) Movie Clip Mode
 (Voice) Voice Recording Mode

3 WARNING: Holding Camera Stable

4 Flash Mode
 (Flash) Auto Flash
 (Fill) Fill-in Flash
 (Off) Flash Off

5 Self-timer
 (10) 10 Seconds
 (2) 2 Seconds

6 Voice Memo

7 Focus Range
 (Macro) Macro

8 Shooting
 (Continuous) Continuous
 (Single) Single

9 Exposure ±2

10 W. Balance
 (Auto) Auto
 (Daylight) Daylight
 (Cloudy) Cloudy
 (Tungsten) Tungsten
 (Fluorescent) Fluorescent

11 Memory Card Inserted

12 Sharpness
 (Soft) Soft
 (Normal) Normal
 (Hard) Hard

13 Quality
 (S) S. Fine
 (F) Fine
 (N) Normal

14 Size
 12M (Via interpolation)
 5M
 3M
 VGA

15 (100) Available Shots

16 Zoom Status Indicator
 (8.0X) 8.0X Digital Zoom

Using The Camera

2.1 Loading the Batteries

1. Power off the camera.
2. Slide out battery chamber cover to open it.
3. Load 2 x AA batteries into the battery chamber, following the polarity indications.
4. Close the battery chamber cover.



2.2 Inserting Memory Card

1. Power off the camera.
2. Open the card slot cover, and insert the card in the card slot.
3. Insert the memory card into the card slot and press it down until a click sound happens
4. Close the card slot cover.

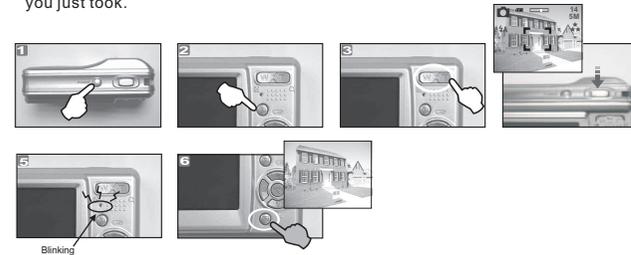


2.3 Taking Basic Photograph

1. Press down the POWER button to turn on the camera.
2. Press the mode button to Image Shooting Mode (Image) for still image, Movie Clip Mode (Movie) for video recording, or Voice Recording Mode (Voice) for voice recording.

Note: Hold your camera with your hands and position a subject in the center of the frame to focus on.

3. With TELE/WIDE Button, you can have 8X digital zoom for zooming in and out.
4. Press the shutter button fully down to capture an image.
5. The LED Indicator starts blinking right after the Shutter Button is released. Once the LED Indicator stops blinking, you are ready to take another shot.
6. Or you can press Playback Button (Play) to review the images or movie clips you just took.

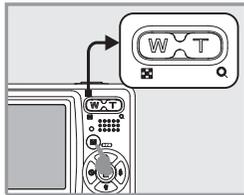


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Advanced Functionality Setting

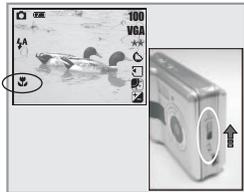
3.1 Under Image Shooting Mode (📷)

▶ TELE/WIDE Button (Continuous Digital Zoom 8X)



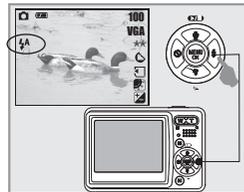
✦ The zoom Indicator, appearing on the top of the LCD Monitor, shows the current digital zoom status.

▶ Focus Switch



✦ When you take a shot of a very close-up of object within the distance of 20 cm, please push the Focus switch up to begin with the Macro function and the Macro icon (🌸) will also appear on the LCD Monitor for notice.

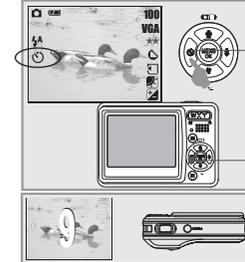
▶ Flash Button



✦ By pressing down the Flash/Right Button in order, you may select different flash options as follows:

⚡	Auto Flash	The flash fires automatically as required under shooting mode. ✦ Suggestion for getting a good exposure picture when using Flash: The camera should keep 1.5~2 meters from the object you're ready to capture.
⚡	Fill-in Flash	This mode will enable the flash to fire in any circumstances.
🚫	Flash Off	The mode will disable the flash to fire in any circumstances.

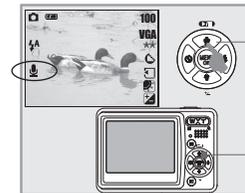
▶ Self-timer Button



✦ **With the 10 sec. Self-timer:**
The image will be taken after an interval of 10 seconds once the Shutter Button (📷) is released.

With the 2 sec. Self-timer:
The image will be taken after an interval of 2 seconds once the Shutter Button (📷) is released.

▶ Voice Memo Button



✦ You can have two ways to put the voice memo onto the images.

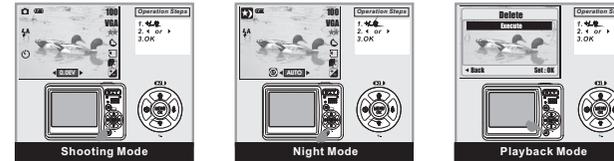
In Image Shooting Mode:

1. When the Voice Memo Button is pressed down, the Voice Memo icon (🗣️) will show up on the LTPS LCD Monitor.
2. Press down the Shutter Button to take a picture.
3. Then you can record a voice right after the image is taken.

In Playback Mode:

1. Press down the Voice Memo Button and you can see the VOICE MEMO icon (🗣️) showing on the LCD Monitor.
2. Press down the Shutter Button to record a voice memo.
3. Press down the Shutter Button to finish the voice memo.

▶ Exposure / Delete Button



✦ **In Image Shooting Mode:**
By pressing down (delete) button of 5 function keys, you can easily adjust the value of the exposure by left / right button from +2.0EV to -2.0EV (at 0.3EV increments).

Night Scene Under Shooting Mode:
By pressing down the Delete / +/- button, you can use left/right button to adjust the value of the Long time shutter, which is ranged from AUTO, 1/8, 1/4, 1/2, 1, 2, 3, 4 by pressing down(delete) button again to make sure your selecting.

In Playback Mode:
Deleting the single image can be done by pressing down this button and OK Button.

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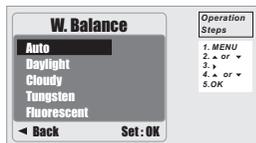
Effect Setting (Default:Normal) Still Image Mode & Movie Mode



Operation Steps
1. MENU
2. < or >
3. < or >
4. < or >
5. OK

Standard	No effect is added to the picture.
Vivid	Turn the image into vivid color saturation.
Sepia	Turn the image into yellowish brown.
B&W	Turn the image into black and white.

Video White Balance Setting (Default:AUTO) Still Image Mode & Movie Mode



Operation Steps
1. MENU
2. < or >
3. < or >
4. < or >
5. OK

The White Balance options are provided as follows:

Auto	Adjusting the white balance automatically
Daylight	Under the strong light environment
Cloudy	Under the cloudy light environment
Tungsten	Under the tungsten light environment
Fluorescent	Under the fluorescent light environment

3.2 Under Voice Recording Mode (🎙️)



Operation Steps
1. MENU
2. < or >
3. < or >
4. < or >
5. OK



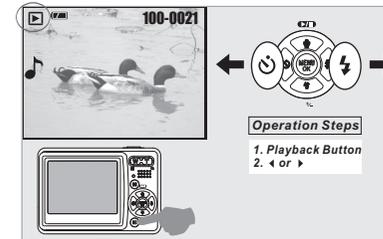
This function allows you to record sound as a tape recorder once the shutter button is pressed down.
The length of the recording time depends on the available memory capacity.

Note:
You can connect camera with other audio player or PC by USB cable to play and check the voice recording file.

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3.3 Under Playback Mode (📺)

Playback of Still Image

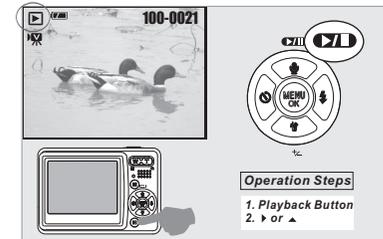


Please press Playback Button to view the images taken.

Press the Right or Left Button to go to or back to the next or last image.

Note: The icon (🎵) shows up when viewing still image comes with a voice memo.

Playback of Movie Clip

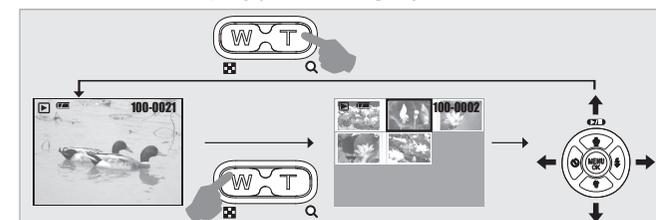


Press Playback Button to play the movie clips.

Press the Up Button to play or pause the movie clip.

Note: The icon (🎵) on the left of the LCD Monitor represents a Movie clip, not a still image.

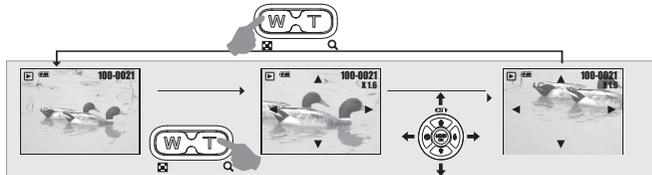
Thumbnail Display (Small Images)



Thumbnail Display is a convenient tool for you to find the image you took from the list. You can press WIDE Button to have Thumbnail Display.

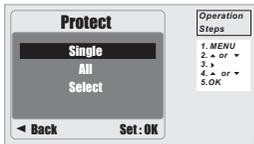
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▶ Exploring an Image



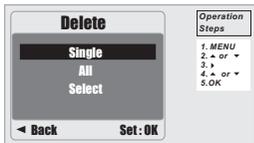
1. Press down the TELE Button and you can see the enlargement of the image.
2. Use the TELE/WIDE Button to zoom in or to zoom out.
3. Use the UP/DOWN/LEFT/RIGHT Button to locate the position you would like to review.
4. Press down the WIDE Button to return to the original Playback Mode.

▶ Setting Image Protection



▶ This function allows you to prevent your specific images from being deleted if the "LOCK" under "PROTECT" list is selected. Conversely, you can select "Cancel" to cancel the protection.

▶ Deleting all Image



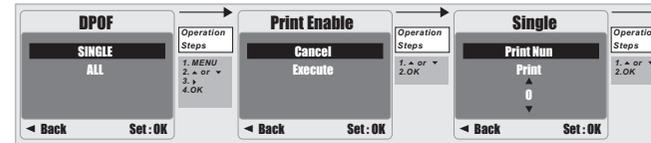
▶ You can delete selected images and all images once with this function.

▶ Copy to Card



▶ This function allows you to put all images stored in the internal memory into the memory card.

▶ DPOF-STANDARD

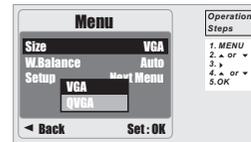


▶ This option allows you to put the print quantity (MAX. 30 pcs) on your memory card. [SINGLE] - specifies the number of copies for a selected image and you can press LEFT/RIGHT Button to go to next image. [ALL] - specifies the number of copies for all pictures apart from movie clips and voice recording files. **Note: You cannot see the "PRINT" function on the LTPS LCD Monitor if a memory card is not inserted.**

3.4 Under Movie Clip Mode()

▶ Video Size Setting

The video size options are provided as follows: VGA / QVGA



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3.5 SETUP Settings

Setup

Auto	3.Min.
Language	English
Format	Hot Menu
Date Input	Hot Menu
Imprint	off

◀ Back Set:OK

Setup

Beep	On
Light Freq.	60Hz
Q.View	On
Sys. Reset	Net Menu
USB	Printer

◀ Back Set:OK

Operation Steps

1. MENU
2. ▲ or ▼
3. ▶
4. ▲ or ▼
5. OK

Note:
 1.Auto Off
 2.Language
 3.Format
 4.Date Input
 5.Imprint
 6.Beep
 7.Light Freq.
 8.Q. View
 9.Sys. Reset
 10.USB

▶ Auto Off

The camera will be automatically off once having been operated for the time internal you set.

This setting helps avoid some unnecessary power consumption.

Setup

Auto	1 Min.	3.Min.
Language	English	English
Format	3 Min.	Menu
Date In	5 Min.	Menu
Imprint	off	off

◀ Back Set:OK

Operation Steps

1. MENU
2. ▲ or ▼
3. ▶
4. ▲ or ▼
5. OK

▶ Language

- 1.English
- 2.French
- 3.German
- 4.Italian
- 5.Spanish
- 6.Portuguese
- 7.Traditional Chinese
- 8.Simplified Chinese
- 9.Japanese
- 10.Thai
- 11.Turkish
12. Russian

Setup

Auto	3.Min.
Language	English
Format	English
Date In	Francais
Imprint	Deutsch

◀ Back Set:OK

Operation Steps

1. MENU
2. ▲ or ▼
3. ▶
4. ▲ or ▼
5. OK

▶ Format

This function allows you to format the memory card and internal flash memory easily.

Setup

Auto	3.Min.
Language	English
Format	Cancel
Date In	Menu
Imprint	Execute

◀ Back Set:OK

Operation Steps

1. MENU
2. ▲ or ▼
3. ▶
4. ▲ or ▼
5. OK

▶ Date Input

You can press Up key to make Date Type settings.

1. YY/MM/DD
2. MM/DD/YY
3. DD/MM/YY

YYYY/MM/DD
 2008/01/01
 03:38:43

Setup

Auto	3.Min.
Language	English
Format	Menu
Date In	Set
Imprint	off

◀ Back Set:OK

Operation Steps

1. MENU
2. ▲ or ▼
3. ▶
4. ▲ or ▼
5. OK

▶ Imprint

This option allows you to print out the images with date.

Setup

Auto	3.Min.
Language	English
Format	Date Only
Date In	Date & Time
Imprint	Menu

◀ Back Set:OK

Operation Steps

1. MENU
2. ▲ or ▼
3. ▶
4. ▲ or ▼
5. OK

▶ Beep

This option allows you to switch on/off button sound.

Setup

Beep	On
Light Freq.	60Hz
Q.View	On
Sys. Re	Menu
USB	Printer

◀ Back Set:OK

Operation Steps

1. MENU
2. ▲ or ▼
3. ▶
4. ▲ or ▼
5. OK

▶ Light Freq.

The Light Frequency setting is for Anti-flicker.
 50Hz: UK, Germany, Italy, Spain, France, Netherlands, China, Japan, Portugal.
 60Hz: U.S.A., Taiwan, Korea, Japan.

Setup

Beep	On
Light Freq.	60Hz
Q.View	On
Sys. Re	Menu
USB	Printer

◀ Back Set:OK

Operation Steps

1. MENU
2. ▲ or ▼
3. ▶
4. ▲ or ▼
5. OK



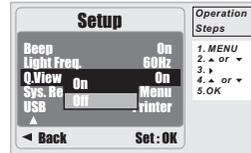
Note: If select wrong frequency, the pictures will appear some horizontal flicker in artificial light source environment.

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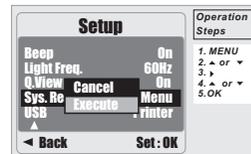
Q. View

If Q.View is on, you can view the image you just captured on the LCD Monitor.
[OFF]: You cannot view the picture you just took on the LCD Monitor.



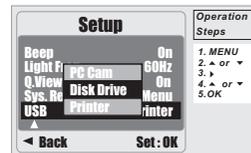
Sys. Reset

This option provides the function of recalling all default values except the Date, Time and Language.



USB

With the connection of the Printer, the PC Cam and Disk Drive, you have to select the right function and connect to right device.



- (1) PC Cam:
 - a. Please install the PC Cam Driver on your computer.
 - b. Select your USB setting as PC Cam.
 - c. You can start PC Cam function after you set up the MSN messenger or AMCAP.
- (2) Disk Drive: When selecting Disk Drive, you can have a new movable disk for downloading your photos on your PC.
- (3) Printer: With the connection of the printer supporting PictBridge function, you can select the detailed options of printer.

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Printer Connection (PictBridge Mode)

Connecting the Camera to a PictBridge-supported Printer

If the printer you have supports the interface of PictBridge, then you can have your camera connected with the printer by the supplied USB cable to have the stored images print out directly.



1. Have both of the camera and the printer power on.
2. Press the MENU Button to go to SETUP Mode.
3. Go to USB and select PRINTER for printer connection.
4. Use the supplied USB cable to connect the camera to the PictBridge-supported printer as shown above

Select pictures to print



150mm+-2



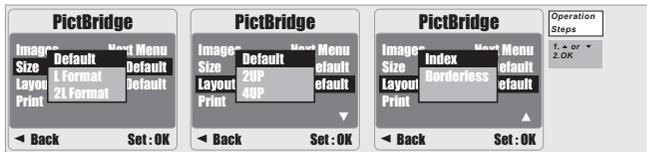
[SELECT]: The PictBridge function will be applied only to the picture currently displayed.
 [ALL PICS]: The PictBridge function will be applied to all pictures.

Setting the Number of Copies to Print

1. Select [SELECT] or [ALL PICS]. A screen where you can set the number of copies to print will appear as shown above.
2. Press the Up/Down Button to select the number of prints. Maximum 30 prints.
3. Use the Left/Right Button to select another picture and select the number of prints for another picture.
4. After setting the number of prints, press the OK Button to save.
5. Press the Shutter Button to return to the menu without setting the number of prints.

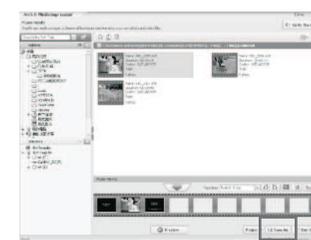
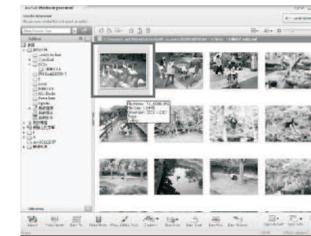
Custom Set

You can select the Paper Size, Print Layout for printed pictures.



SIZE	Setting the size of the printing paper. It will show the size formats your printer supports.
LAYOUT	Setting the number of pictures to be printed on a sheet of paper

ArcSoft MediaImpression™ manages your media for you, and gives you tons of fun and exciting ways to create and share projects featuring your photo and video files. Create your own movies or photo slide shows, edit, enhance, and add fun creative effects to your photos; and share your files easily through simple email attachments or popular photo printing and video sharing websites.



If you have question regarding ArcSoft software, please visit ArcSoft's website as following:
<http://www.arcsoft.com/en/support/index.asp>