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We reserved the right to revise this manual and to make changes to any or all parts at any time, without obligation to notify any person or entity of such revisions and changes.

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This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste. There are separate collection systems for recycling in the EU.

Reminders

For more information, please contact the local authority or your retailer where you purchased the product.

CAUTION

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Keep product out of direct sunlight. Exposure to direct sunlight or extreme heat may cause damage or malfunction. To prevent fire or shock hazard, do not expose to rain or moisture.



IMPORTANT BATTERY INFORMATION

The battery used in this device may present a risk of fire or chemical burn if mistreated. Do not separately recharge, disassemble, heat above $60^{\circ}C$ (140°F), or incinerate.

Do not attempt to open the unit. No user serviceable parts inside. Keep the unit away from children. Do not disassemble or dispose product in fire.

Use only the charger included in the package. Use of other chargers may result in a risk of fire or explosion.

Keep charger plugged in to device for at least 3 hours before attempting to operate device if battery is completely run down and is insufficient to power up device.

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User Guide

Getting started

To remove memory card:

- **A** Flip open the memory card slot cover.
- **B** Press and release the MMC/SD card.
- **C** Withdraw the MMC/SD card from the slot.







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Charging the device via AC adapter

- Connect the AC adapter to the DC IN jack on the device and connect the power adapter to a power outlet.
- The charge indicator blinks in red and starts charging. Turning on the device during charging stage will increase the charge time.



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Attention: Use only the power adapter that came with this device. Adapters for other electronic devices may affect its performance or damage it



For your reference:

When the battery is **charging**, the charge indicator is **RED**. Turning **ON** the device **while charging**, the charge indicator will change to **ORANGE**. When the battery is **fully charged**, **RED** LED will turn **OFF**. When the device is **ON**, the charge indicator is **GREEN**.













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default. To change the audio quality:

 Press (Menu button) at (audio recording) mode.



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2. Select the audio quality and press .

Standard Play): Higher audio quality, but larger file size.
LP (Long Play): Longer recording time, but lower audio quality.





4. The **Select Components** dialogue box appears. Select the software you wish to install and press **Next**.

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- 5. The Select Program Folder dialogue box appears telling you that setup program is about to add a program icon to your system, you can change the folder name listed in the text box, or simply press Next to continue.
- 6. The **Start Copying Files** dialogue box appears confirming that the listed software will be installed. Press **Next** to continue.
- 7. Follow the on-screen instructions to continue and complete the installation.
- 8. Restart your computer.





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🖃 Mass storage

Through mass storage mode, the device becomes a storing device that allows to store, access, and delete data similar to your local hard disk. To setup **MASS STORAGE** follow the instructions below.

- Connect the device to a computer with the USB cable provided in the package.
- 2. Power **ON** the device.

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4. The following screen will appear

for 2 seconds before entering

MASS STORAGE.



6. Use Drag and Drop method to copy files to your computer or vice versa.



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IMPORTANT!

⊜SELECT

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Please do not copy any files into the DCIM folder of your camera. Otherwise it may cause the camera unstable or crash. We strongly recommend you to move your images to your hard disk before applying any change.



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File storage destination

Folder	File	Description
100MEDIA	IMAG0001.JPG ~ IMAG99999.JPG	Photo file
	IMAG0001.WAV ~ IMAG99999.WAV	Audio file (recorded in audio recording mode)
	V0001.WAV ~ V9999.WAV	Audio file (recorded in audio attaching mode)
	IMAG0001.ASF ~ IMAG9999.ASF	Video file
MISC	AUTPRINT.MRK	System marker for
	AUTXFER.MRK	DPOF file
MUSIC	*.MP3	Music file
	*.WMA	

* : User defined

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W Setup menu

The setup menu allows users to set up various settings such as time, TV system, frequency, speaker tone and etc.

1. Set the Mode dial to by (Setup) mode.



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2. Use ▲▼◀▶ to navigate through the menu and () to confirm.



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3. Press 🗉 (Menu button) to exit.

Option	Item	Description	
Clock set 🚛	Date 🗊	Sets the date and time.	
Ŭ	Timer ⊘	(Please refer to page 18)	



Date format	DD/MM/YY	Sets the date display
	YY/MM/DD	format. (Please refer to page 19)
	MM/DD/YY	(
TV system 📷	NTSC	Sets the output signal
	PAL	to TV. - NTSC for USA, Japan, Taiwan, etc.* - PAL for Australia, China, Europe, etc.**
Frequency 💥	50Hz	Sets the displaying
7/11	60Hz	frequency.
Beeper ⊯ ∶	Melody	Sets startup and
	Off	warning tones.
	Normal	

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*NTSC system

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Setup menu

Canada, Central America, Japan, Korea, Mexico, Panama, Taiwan, U.S.A., etc.

**PAL system

Australia, Austria, Belgium, China, Denmark, Finland, Germany, Greece, Netherlands, Hong Kong, Malaysia, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, Thailand, Turkey, United Kingdom, Yugoslavia, etc.



		Setup menu	
Startup screen 🛅	Default	Changes the startup	
	OFF	screen.	
	Custom		
LCD brightness 🕱		Adjusts the brightness on the LCD screen.	
Storage 🖫	Memory Card 🖫	Changes the storage	
	Internal Memory 🕎	and playback path of recording files.	
Auto power off 🕛	Never	Sets the time for the	
	5 Min	device to auto shutdown	
	2 Min		
Silence 🗱	Off	Sets system sound and	
	On	LED indicators - Off will turn off all sound and LED indica- tors	
Reset ••		Restores device back to factory default settings	
Format 🖺	Memory Card 🗒	Formats MMC/SD card or internal memory - All data including protected files will be erased	
	Internal Memory 🕎		

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	Verieve video entier	Advanced operations	
	Setting video resolution	15	
	The image resolution directly correlates tion will have larger file size.	to the file size, therefore higher resolu-	
	1. Set the Mode dial to	 Use To choose a video resolution. 	
	2. Press the 🗉 (Menu button).	斝 : Fine video resolution 斝 : High video resolution	
	3. Use I to navigate to Use VIDEO tab.	翻: Normal video resolution	
۲	 Use ▲▼ to navigate to € (video resolution). 	7. Press ⊞ (Menu button) to exit.	¢
	Setting video quality		
	The video quality directly correlates to th larger file size.	e size of the file. High quality requires	
	1. Set the Mode dial to	5. Use to choose video	
	2. Press the 🗉 (Menu button).	 If a :Fine video quality Normal video quality 	
	3. Use I to navigate to I VIDEO tab.	6. Press (a) to confirm.	
	 Use ▲▼ to navigate to ♀ (video quality). 	7. Press 🗐 (Menu button) to exit.	



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Enlarging or reducing photo viewing size

1. Set the Mode dial to **•**.



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- 2. Use **AV** to navigate to the photo you wish to view.
- 3. Press (a) to switch to single photo viewing.
- Press ZOOM lever to zoom in/out of the photo. T zooms into the photo, W zooms out of the photo.



- 5. Use **AVA>** to move to portion of the photo.
- 6. Press 🗐 (Menu button) to return to original size.

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Playing back photos (slide show)

1. Set the Mode dial to **D**.



- 2. Press the 🗉 (Menu button) to bring up the menu.
- 3. Use \blacktriangle to navigate to \blacksquare (slide show).
- 4. Press () to start the slide show.
- 5. Use ▲▼ to skip to next or return to previous file.
- 6. Press 🗉 (Menu button) to stop.

Playing back all files

This feature allows users to play all recorded files (photo, video, audio). Photo will display for 5 seconds and video & audio will be played at their full lengths.

1. Set the Mode dial to **•**.



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- 2. Press the 🗉 (Menu button) to bring up the menu.
- 3. Use ▲▼ to navigate to ▲ (play all).
- 4. Press (to start to play.
- 5. Use **t** v to skip to next or return to previous file.

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6. Press 🗉 (Menu button) to stop.





- 2. Connect yellow end of the cable to the Video input (yellow) jack on your TV set.
- 3. Connect the red and white ends of the cable to the Audio input (red, white) jacks on your TV set.





















🔒 Direct print

Direct Print provides a direct connect solution for the device to communicate with printers. If you connect the device to a **PictBridge™ compliant printer**, the photos stored in the device can be printed directly without connecting to any computers or third party devices.

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Step 1. Connecting to a printer

Connect the device to a printer via an USB cable.



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Step 2. Turning **ON** the device Power **ON** the device.



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Step 3. Selecting DIRECT PRINT

Select **DIRECT PRINT** from the OSD menu of the device. Make sure the device is connected to a PictBridge[™] compliant printer then press (to enter.



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Photo Set

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Step 4. Selecting Photos

Marking Particular Photo for Print



Use to select the PHOTO SET tab then use to highlight (select photo) from the menu. Use to change to BROWSE then press (to enter. An index will appear displaying

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Marking All Photos for Print

Use **t** to select the **D**PHOTO SET tab then use **t** to highlight **D** (select photo) from the menu. Use **t** to change to **ALL** then press **(b)** to confirm.

Step 5. Enhancing Photo Quality



Scroll down to $\textcircled{}^{::}$ (optimal). The default setting is OFF. To change the setting, Use \checkmark to set optimal option **ON** or **OFF.** Press (•) to confirm.

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Advanced operations

Step 6. Setting Number of Copies



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Paper Set

Step 7-1. Setting Paper Size



Select \square PAPER SET tab on the top, then use ∇ to highlight \square (size) from the menu. Use \blacktriangleleft to change the paper size. Press to confirm.







Step 7-2. Setting Paper Type



Scroll down to \square (paper). Use \blacktriangleleft to select a paper type then press \odot to confirm. Please be aware that some paper types are not available to certain paper size.

Step 7-3. Setting Border



Scroll down to \mathbf{A} (border). Use \mathbf{A} to set border **ON** or **OFF** then press \mathbf{O} to confirm.

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Step 8. Printing

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Scroll down to 🗄. Press 💿 to print.

Note: When the device is connected to a computer under **Direct Print** mode, Windows OS will ask for a device driver. We **do not** provide such driver.















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Additional information

Specifications

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Function		Digital Camcorder, Digital Still Camera, Digital Voice Recorder, Music Player, Video Camera,		
		MMC/SD Card Reader		
Image Sensor		3 Mega CMOS		
Lens	Focal Length	f = 8.6 mm		
	Aperture Ratio	F3.0		
Digital Zoom		8X		
Display		2.0" TFT LCD		
Startup screen setting		Default, Custom, Off		
Storage option		Internal/External		
MMC/SD card hot swap		Yes		
Shutter s	speed	1/15 sec. ~ 1/2500 sec.		
Auto foc	us	Fixed		
Flash		Built-in		
Exposur	e control	Auto		
White ba	lance	Auto, Daylight, Cloudy, Fluorescent, Tungsten		
Digital ef	ffect	Negative Art, Sepia, B&W, Solarize, Pastel, Sketch		
Memory card slot		MMC/SD slot		
Internal memory		32 MB		
Microphone		Built-in		
Interface	ł.	USB 2.0, A/V Out, Earphone, DC-IN		
LCD pan	el rotation	-90 to 270 degrees		
Motion d	etect	Yes		
Televisio	on System	NTSC/PAL		
Battery 1	уре	Rechargeable Li-ion battery		
Power Source		DC-in (Charger inside/power adapter)		

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		Additional information	
	Digi	ital Camcorder	
Resolution	Fine High Normal	640 x 480 (30 fps) 352 X 288 (30 fps) 320 X 240 (30 fps)	
Quality	Fine Normal	Low compression rate High compression rate	
File Format (Vide	o)	ASF file (MPEG-4 compatible)	
Resolution	Fine High Normal Economic	3504 x 2632 [9M] (H/W enhanced) 2832 x 2128 [6M] (H/W enhanced) 2048 x 1536 [3M] 1024 x 768 [XGA]	۲
Quality	Normal High Fine	High compression rate Normal compression rate Low compression rate	
Self-Timer		10 seconds delay	
File Format (Imag	le)	JPEG compatible	
Scene Mode		Auto, Lanoscape, Sport, Night Shutter, Beach & Ski, Sunset & Moon	



PF-	Additional information		
	Digital \	/oice Recorder	
	File Format	WAV compatible	
	Mu	sic Player	
	File Format	MP3 and WMA compatible	
	Mas	ss Storage	
	System Requirements	Pentium 800 MHz processor or higher Microsoft Windows 98SE, Me, 2000, XP Available USB port Super VGA card and color monitor CD-ROM or DVD-ROM drive At least 128 MB of RAM 200 MB of available HD space	
	Mass Storage Support	Win 98SE (Driver included), Me, 2000 SP3 or above, XP MAC OS 9.X and OS 10.1 or above	۲

