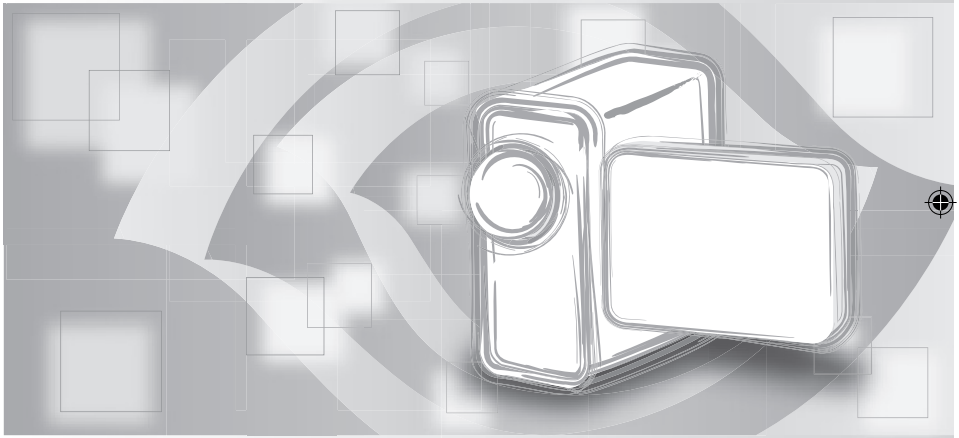
DIGITAL VIDEO CAMERA

User Guide



English | Deutsch

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Português | Nederlands | 中文

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

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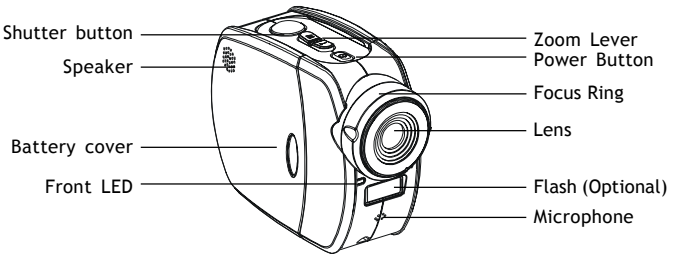
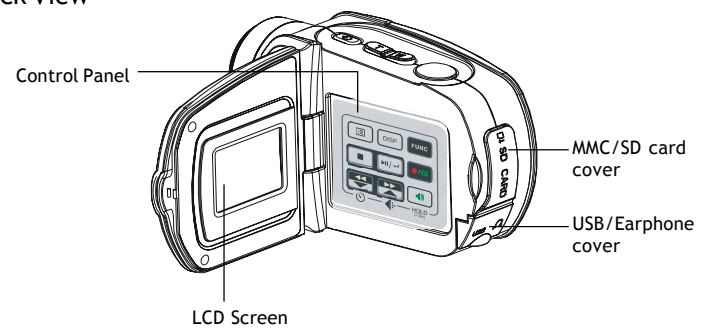
Getting to know your Digital Video Camera

Front View

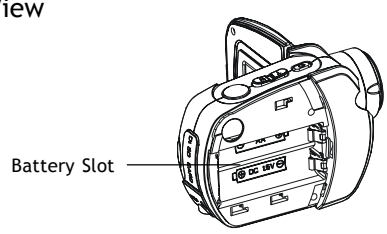


Back View

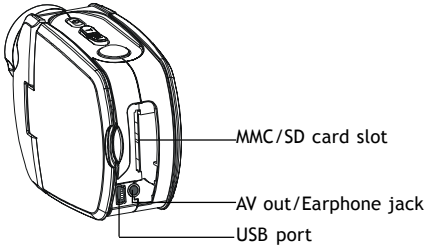


Getting to know your Digital Video-continued

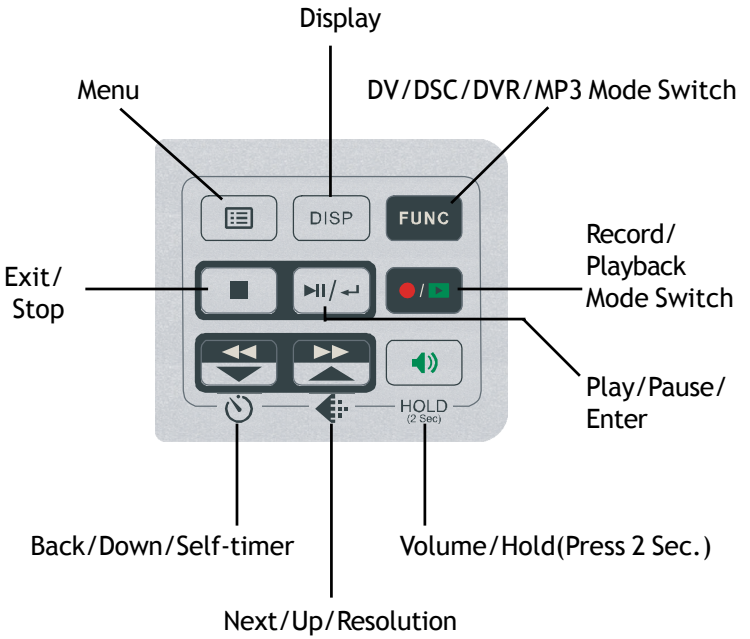
Side View



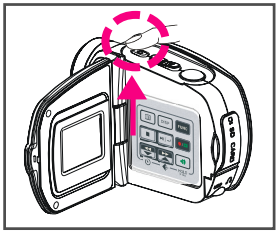
Back View



Understanding the Control Panel



Power

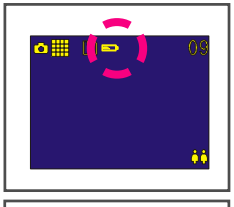


Power On/Off

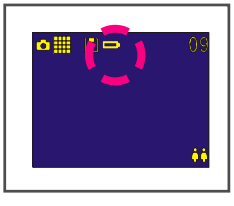
Press the power button to turn your digital video camera on and off.

Power Low

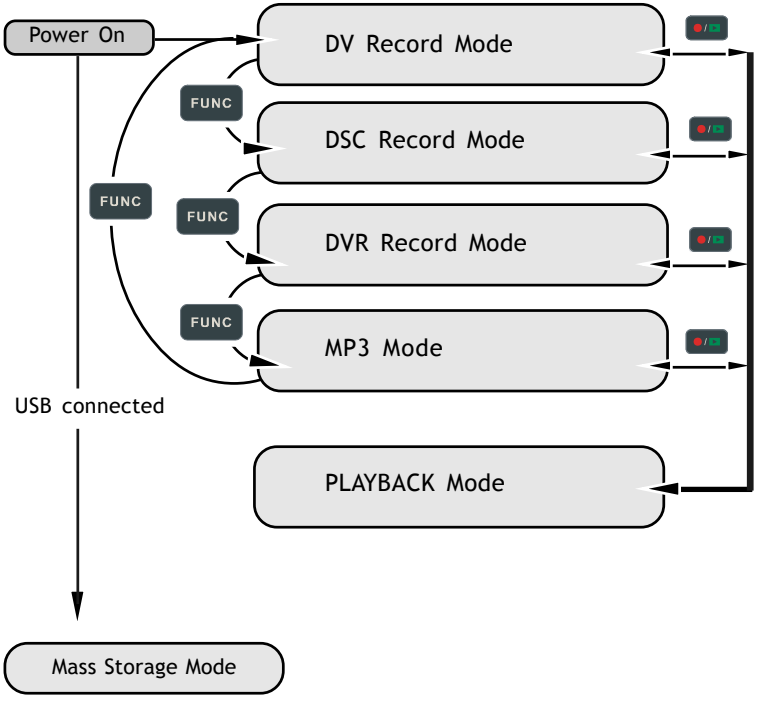
When the battery is running low, a battery icon ( ) will appear on the top of the LCD.



When the battery is about to run out, a blinking battery icon ( ) will appear on the top of the LCD. Your digital video camera will shutdown automatically in a few seconds.



Modes


Power On
DV Record Mode
FUNC
DSC Record Mode
FUNC
FUNC
DVR Record Mode
FUNC
MP3 Mode
USB connected
PLAYBACK Mode
Mass Storage Mode

Modes-continued

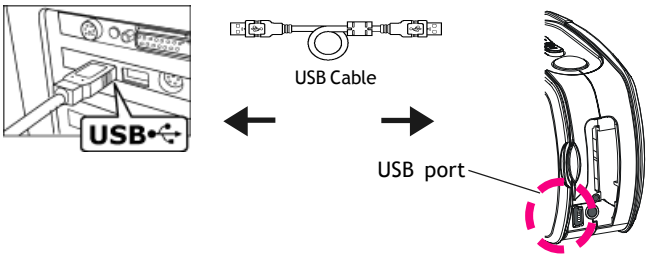
DV Mode/DSC Mode/DVR Mode/MP3 Mode/PLAYBACK Mode

This unit provides 4 modes. These modes are:
1.DV Mode: take videos with sound
2.DSC Mode: take pictures
3.DVR Mode: record voice messages.
4.MP3 Mode: listen to MP3 music.

You can switch among these four modes by pressing FUNC. By pressing ●/▣, you can switch to PLAYBACK mode to review your videos, pictures and voice messages. DV Mode/DSC Mode/DVR mode shares the same PLAYBACK mode. You can switch back to the previous mode by pressing ●/▣ again.

Modes-continued

Connecting to PC (Mass Storage Mode)



Using Console (Not applicable to MAC computers)
Connect your Digital Video to a computer with an USB cable.

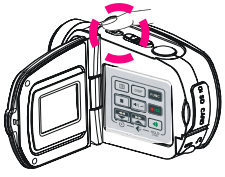
Mass Storage Mode
Connect your digital video camear to a computer. In Mass Storage Mode, it acts exactly like a hard disk. You can now drag and drop your pictures, movies, voice messages and MP3 files between the computer and your digital video camera.

Note:
1.Please do not copy any files into the DCIM folder. This may make the unit unstable or cause it to crash.

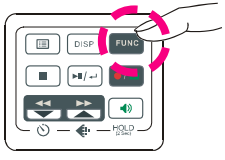
2.Remember to copy the MP3 files into the MP3 folder of your digital video camera.

Taking Movies

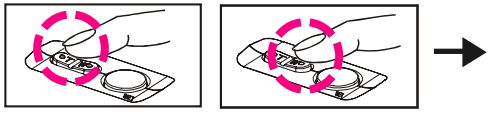
1 Press **Power**

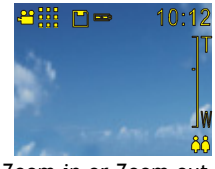


2 Switch to DV Mode



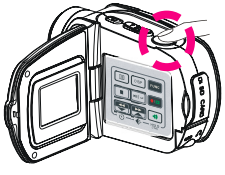
2 Slide **Zoom-in** or **Zoom-out** to frame your video





Zoom in or Zoom out

3 Press **Shutter button** to start recording



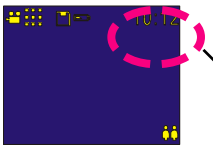
4 Press **Shutter button** again to stop

Taking Movies-continued

The recording timer

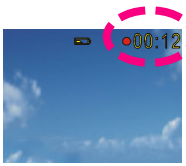
While you're filming, the recording timer will be displayed on the LCD.

Before Recording



Total estimative recordable time

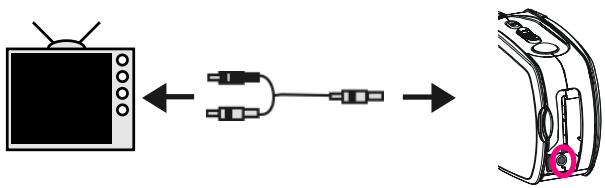
While Recording



The recording time

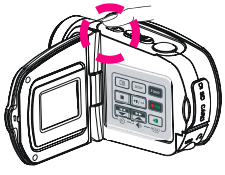
Video Out

This Digital Video can output analog video to a home TV set. To configure the Digital Video, please refer to the NTSC/PAL section.

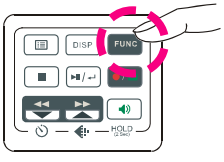


Taking Pictures

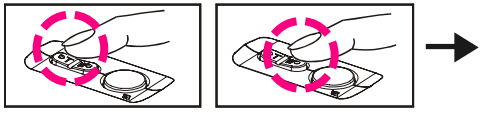
1 Press **Power**



2 Switch to DSC Mode

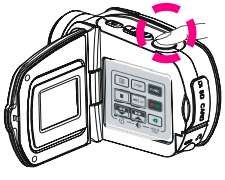


3 Press **Zoom lever** to adjust the magnification ratio.



Zoom in or Zoom out

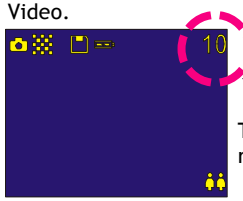
4 Press **Shutter button** to take a picture



Taking Pictures-continued

The Picture Counter

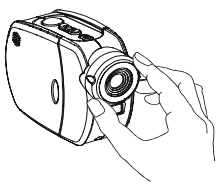
You can see the picture counter displayed on the upper-right corner of your LCD. It will show the number of the total recordable files of this Digital Video.

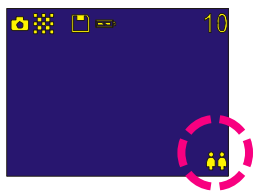


Total estimative recordable files

Macro/Portrait Mode

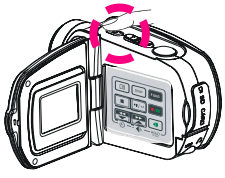
You may set your camera to (macro mode) for closeup focus or to (portrait mode) for normal range focus. Turn the focus ring to switch between modes.



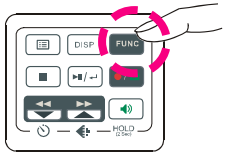


Recording Voice Messages

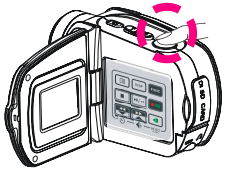
1 Press **Power**



2 Switch to DVR Mode



3 Press **Shutter button** to start recording



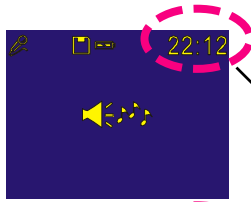
4 Press **Shutter button** again to stop

Recording Voice Messages-continued

The recording timer

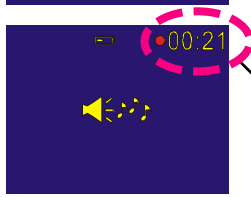
While recording voice messages, the recording timer will display on the upper-right corner of your LCD.

Before Recording



Total estimative recordable time

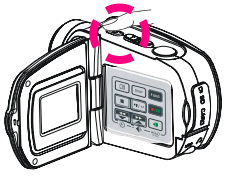
While Recording



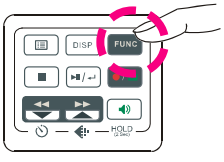
Total recording time

Listening to MP3 Music

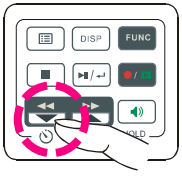
1 Press **Power**

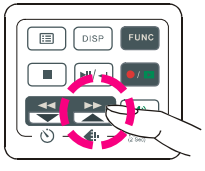


2 Switch to MP3 Mode

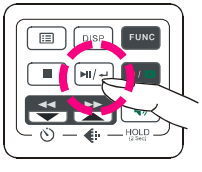


3 Press **UP** or **DOWN** to select a track





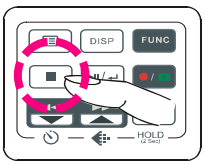
4 Press ⏯/↵ to play MP3 music



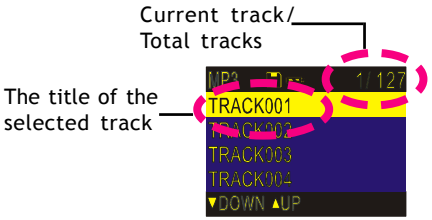
5 Press ⏯/↵ to pause

Listening to MP3 Music-continued

6 Press ■ to stop



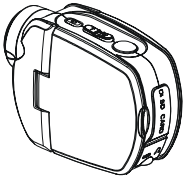
MP3 information

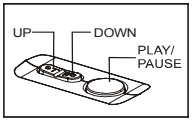


NOTE:
The title of the tracks will display ONLY in alphabetical letters. Title with illegal characters will display in “TRACK001”, “TRACK002”, and “TRACK003” and so on.

Playing MP3s with the displaying panel closed

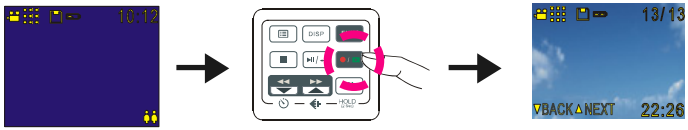
You may close the displaying panel while playing MP3s and use the Zoom lever to select sound and Shutter button to play or pause.





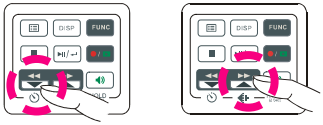
Basic Playback

1 Switch to PLAYBACK mode



2 The information of the selected file will display on the LCD.

3 Press **BACK** or **NEXT** to navigate



Basic Playback-continued

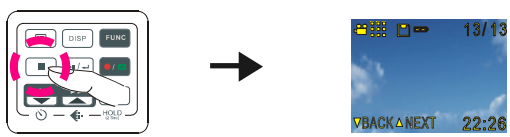
The following steps are only applicable to DV and DVR files.

4 Press **PLAY** to start

5 Press **PLAY** again to pause

6 Press **NEXT** or **BACK** to fast-forward or fast-backward

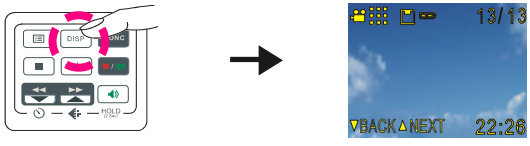
7 Press **STOP** to stop



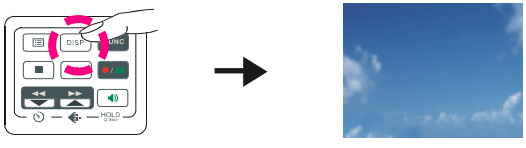
Advanced Playback

Preview in multiple/single view or hide the information

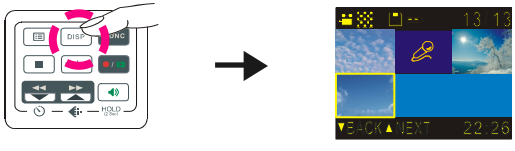
1. Press DISP to preview in single view



2. Press DISP again to hide the information



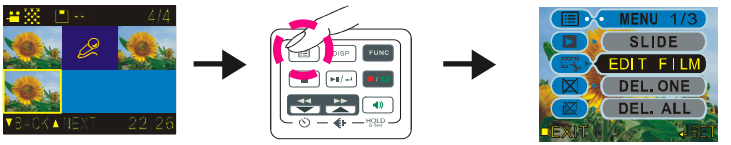
3. Press DISP again to preview in multiple view



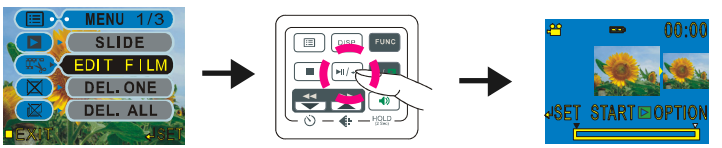
Advanced Playback-continued

Edit the beginning and ending of a video clip (optional)
This function is only available on certain model

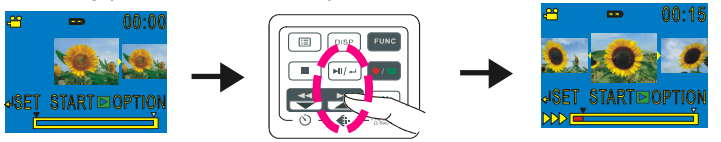
1. Press [≡] to bring up the menu



2. Press [⏯/↵] to select “EDIT FILM”

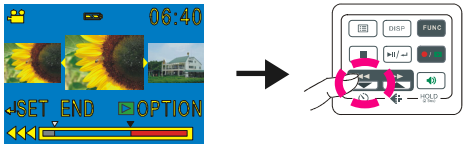


3. Press [▶▶] to advance to a position and press [⏯/↵] to set it as the starting point of the video clip.

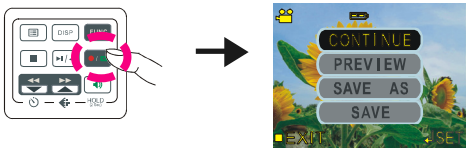


Advanced Playback-continued

4 Press to reverse to an ending position for the video clip.



5 Press to enter the option menu



6 Select CONTINUE to return to editing screen, PREVIEW to play the edited clip, SAVE AS to save the clip as a new file, or SAVE to save and overwrite the original file.

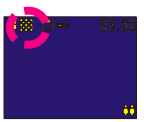
Notes

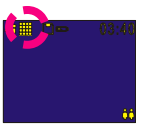
1. You may encounter a “MEMORY FULL” message while saving over the original file or as a new file to a storage media that is nearly full. If this occurs, free up more memory on your storage media and try again.
2. Lengthy video clip editing may take a long time to process thus please make sure to equip your DV with sufficiently charged batteries to avoid battery depletion during editing process.

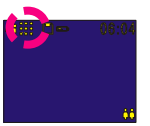
Changing the Resolution Setting

DV Record Mode

1. In DV Mode, press the button.
2. The LCD will display your current quality setting on the upper-left corner. "" is normal resolution, "" is fine resolution and "" is economic resolution.

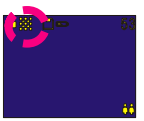

Normal resolution

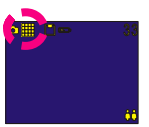

Fine resolution

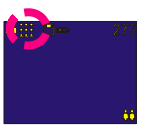

Economic resolution

DSC Record Mode

1. In DSC Mode, press the button.
2. The LCD will display your current picture's resolution setting on the upper-left corner. "" for normal resolution, "" for fine resolution or "" for economic resolution.


Normal resolution


Fine resolution

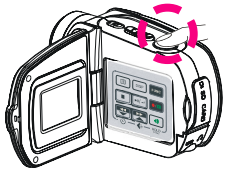

Economic resolution

Using Self-timer (for DV and DSC modes)

This Digital Video has a built-in 10 second self-timer.

1 Press **Timer**

2 Press **Shutter button** to start

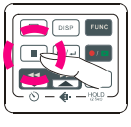


3 The timer starts to count down from 10 seconds.

This icon will blink during count-down.

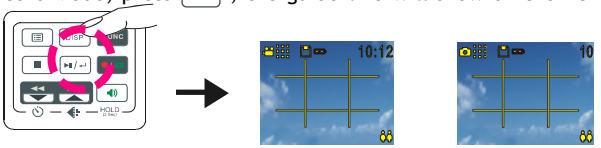
The count-down number

(**Note:** Press any button to cancel self-timer during the count-down.)



Using Guide Line/The LCD Screen

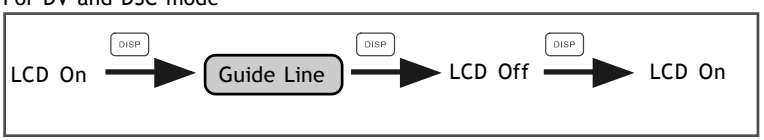
You can use guide line while recording videos or taking pictures. In Record Mode, press DISP , the guide line will show on the LCD screen.



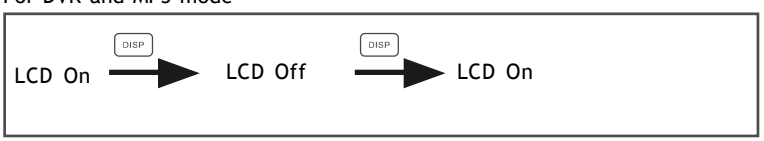
The LCD Screen

To save energy, Digital Video allows you to switch off the LCD screen.

For DV and DSC mode

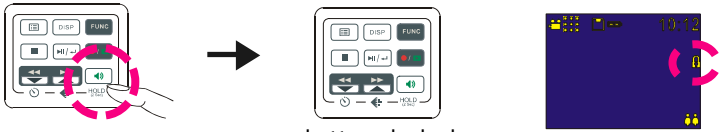


For DVR and MP3 mode



Using Hold

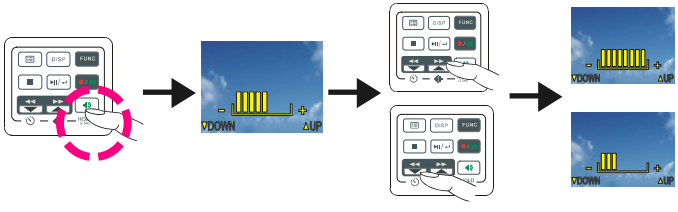
Press and hold HOLD for 2 seconds to lock all buttons on the control panel. The buttons on the control panel will be locked while in HOLD function. To release the HOLD function, press and hold HOLD for another 2 seconds.



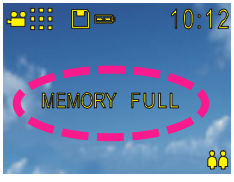
buttons locked

Volume Adjustment

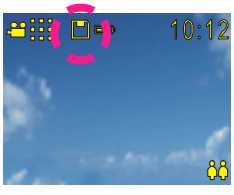
You can adjust playback volume by using ◀◀ or ▶▶.



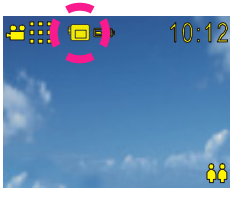
Attention Icon



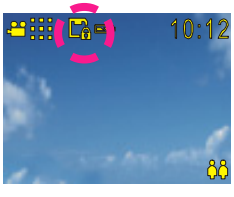
Memory Full
The Memory Full indicator lets you know to switch memory cards or transfer all files to your computer in order to continue taking videos or pictures.



Memory Card Indicator



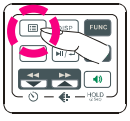
Internal Memory Indicator



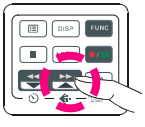
Card Lock
When you insert a SD memory card that is write protected, you will see a card lock icon on the upper-left side of the LCD.

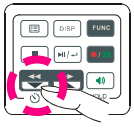
Menu

1 Press [≡]



2 Press **NEXT** or **BACK** to select





3 Press [⏯/↵] to change

4 Press [■] to exit

Menu-continued

Quality Settings (for DV mode)
There are two quality selections for your movies: Fine and Normal. Please keep in mind that the higher the quality setting, the higher the file size.

Fader (for DV mode)
This function is only available on certain model
This function lets you apply a fade effect to your videos.

Digital Effects (for DV and DSC mode)
You can apply SEPIA, B&W, and a NEGATIVE effect to your videos and pictures.

Flash (for DSC mode)
This function is only available on certain model
You can set your flash to OFF or AUTOMATIC.

Night Shot ON/OFF (for DV and DSC mode)
The Night Shot mode allows you to take videos and pictures in low lighting conditions. When activated, an icon will appear on the lower-left corner of the LCD.

White Balance Auto/Daylight/Cloudy/Fluorescent/Tungsten (for DSC and DV mode)
White Balance settings allow your camera to adjust to the lighting conditions in which you are taking videos or pictures. Select the option that best suits your environment.

Menu-continued

Quick Review ON/OFF (for DSC mode)
The Quick Review feature let's you preview your video and picture files. When this feature is activated, an icon will appear on the LCD.

Attach Voice ON/OFF (for DSC mode)
You can attach voice messages to your pictures. If you choose Attach Voice ON, the icon will appear on the LCD screen.

Taking a picture with Attach Voice ON
After taking a picture with Attach Voice ON, "ATTACH VOICE!" will appear on the center of the LCD screen. Press SHUTTER to start to record the voice message. Press SHUTTER again to stop the recording. Press [■] to exit.

Information ON/OFF (for DV and DSC mode)
You can choose to show or hide extended information.

Attach Date ON/OFF (for DSC mode)
This feature will stamp pictures taken with the date and appear on the lower-right corner of each image. Turning this feature OFF will not stamp images.

Format your Memory Card
If you want to erase all movies, pictures, voice messages, MP3 and other files, you can select FORMAT under the menu and press [▶II/↩] to wipe out the current employed memory source (memory card or internal memory) completely. If you do not want to delete all files, press [■] to exit.

Menu-continued

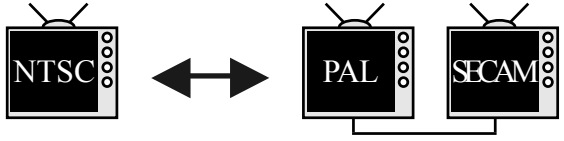
Date
Allows you to set the date.

Time
Allows you to set the time.

Beep On/OFF
If you choose Beep On, there will be a beep sound when you press the buttons. If you choose Beep Off, there will be no sound.

Auto-Off ON/OFF
This feature is designed to conserve battery power by letting you set the time increment in which you unit should power off. There are 3 options: OFF, 2 minutes and 5 minutes. Please note that if you set the Auto-Off feature for 2 or 5 minutes, the LCD will turn off after 1 minute. Press any button to turn it back on.

NTSC/PAL
NTSC/PAL are two analog TV signal formats. You can toggle between NTSC and PAL to match your equipment.
NTSC: North America and Japan
PAL: U.K. and Germany, France, Russia, certain European and African countries



Menu-continued

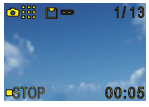
50Hz/60Hz

Match the frequency of the main power supply in your country. Please refer to the following figures:
50 Hz : Europe, P.R.C.,Hong kong, Australia, New Zealand and South Africa.
60 Hz : America, Canada, Taiwan, Japan,and Korea.

Slide Show

You can choose to playback your movies, pictures, voice messages or MP3s in a Slide Show. The Slide Show playback time is 5 seconds for pictures, 10 seconds for videos, voice messages and MP3.

To exit, press **STOP**.



Edit Film (for video clip)

This function is only available on certain model

This function enables you to extract a portion of a video clip and save it as a new video.

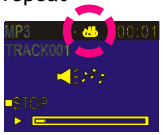
Repeat OFF/ONE/ALL/RANDOM (for MP3 mode)

You can choose to playback your MP3s repeatedly. You can choose to Repeat One, Repeat All or Play Random.

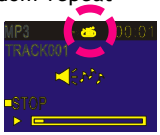
Menu-continued

Single repeat

All repeat

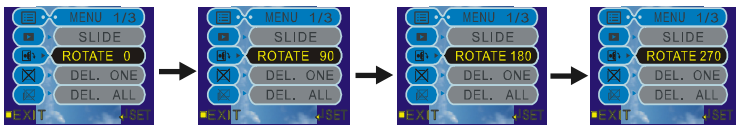


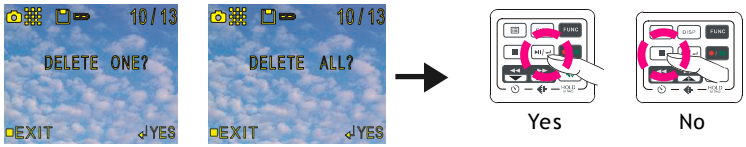
Random repeat



Rotate ON/OFF (only for image files)

You can choose to rotate your pictures. Press [ ] to bring up the menu, select ROTATE and then use [ ] to select rotation degree.



Del One/ Del ALL

You can choose to delete one file or all files. Select DEL. ONE from the menu to delete a single file and then use [ ] to select a file. Otherwise, select DEL. ALL from menu to delete all files. Press [ ] to confirm or press [ ] to exit.