

User's Manual

Camileo H10

DE	IT
DK	NL
ES	NO
FI	PT
FR	SE

Introduction

Welcome and thank you for choosing a TOSHIBA product.

For your convenience, your TOSHIBA product is furnished with two guides:

- a) a Quick Start Guide, and
- b) this comprehensive PDF User's Manual on the included CD.

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Section 1

Getting to Know Your Camcorder

Overview

The camcorder with 10.48 Mega-pixel sensor can take H.264 movies. By the way of using H.264 technology, more videos can be taken within certain amount of memory. High quality images with up to 16 mega pixels can also be delivered smoothly. With a color LCD monitor, users can compose images and examine them easily.

The camcorder also features movie recording at HD resolution of 1280x720. You can also connect DV to a HDTV by HDMI cable, and easily playback recorded high-definition videos on the wide screen of an HDTV.

Exposure and color balance can either be adjusted automatically or allowed to be changed manually. A 5x optical zoom increases user control over the movies and pictures you take. Built-in memory allows you to take pictures and movies without memory card. The memory card slot allows users to increase the storage capacity.

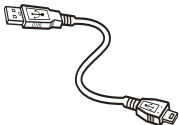
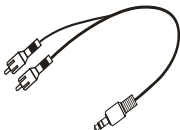
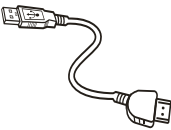
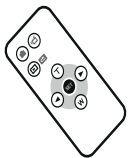


Note

Partial memory of the built-in memory is used for Firmware code.

Check the Components

Unpack the package and make sure all standard accessories listed are included:

 Camcorder	 USB Cable	 AV Cable	 HDMI Cable	 NP60 Battery
 Quick Start Guide	 CD-ROM (Software, User's Manual)	 Warranty leaflet	 AC-Adapter	 Remote Controller

Safety Instructions

1. Do not drop, puncture or disassemble the camcorder; otherwise the warranty will be voided.
2. Avoid all contact with water, and dry hands before using.
3. Do not expose the camcorder to high temperature or leave it in direct sunlight. Doing so may damage the camcorder.
4. Use the camcorder with care. Avoid pressing hard on the camcorder body.
5. For your own safety, avoid using the camcorder when there is a storm or lightning.
6. Do not use batteries of different specifications. Doing so may lead to the potential for serious damage.
7. Remove the battery during long periods between usage, as a deteriorated battery may affect the functionality of the camcorder.
8. Remove the battery if it shows signs of leaking or distortion.
9. Use only the accessories supplied by the manufacturer.
10. Keep the camcorder out of the reach of infants.
11. Risk of explosion if battery is replaced by an incorrect type.
12. Dispose of used batteries according to the instructions.

System requirements

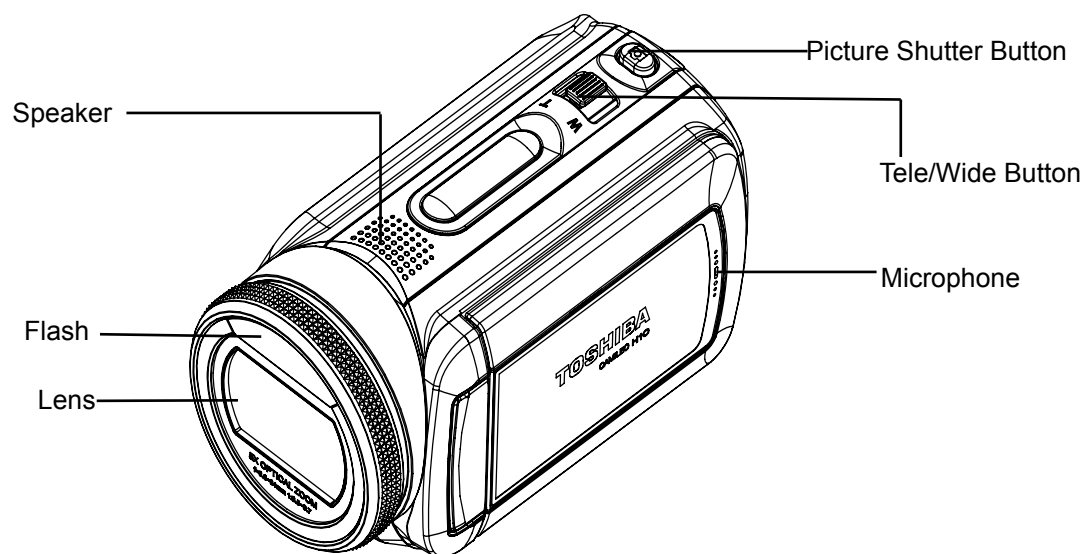
- Microsoft Windows 2000/XP/Vista
- Intel Pentium III 800MHz or above
- 256 MB RAM
- CD-ROM Drive
- 700 MB free HDD space
- Available USB port
- 16-bit Color Display



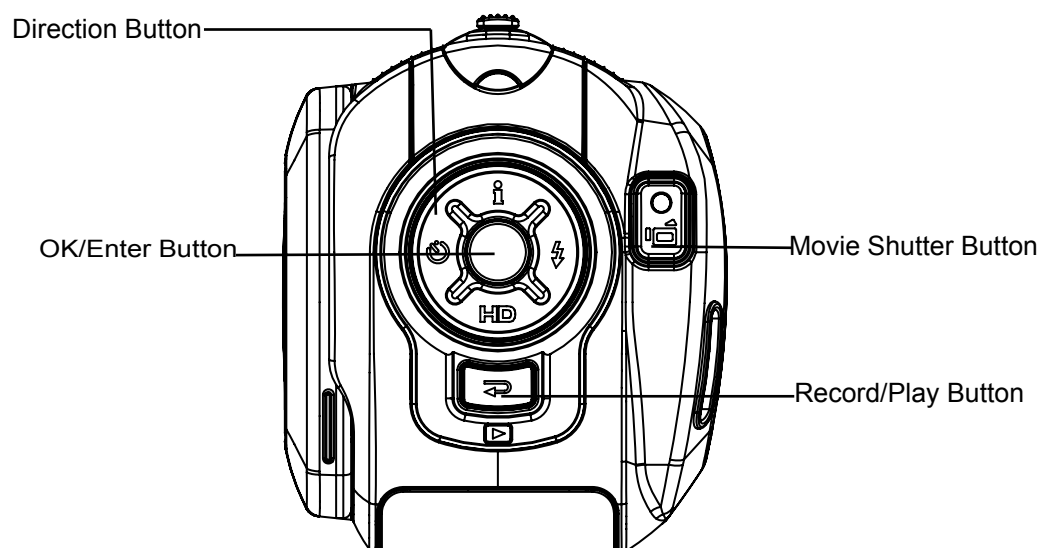
Note

The LCD screen is manufactured using extremely high-precision technology. However, some tiny black and/or bright dots (white, red, blue or green) may appear on the LCD screen. These dots are a normal result of the manufacturing process, and do not affect the recording.

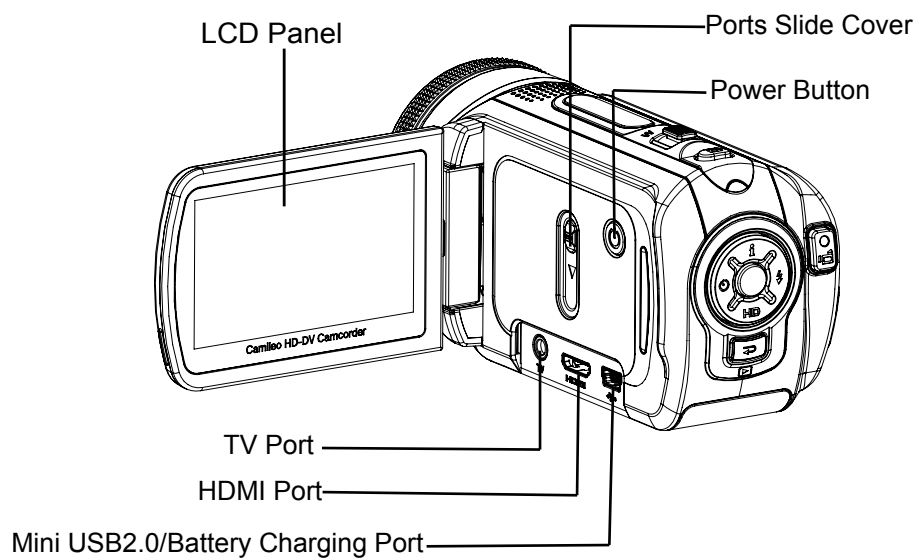
Front View



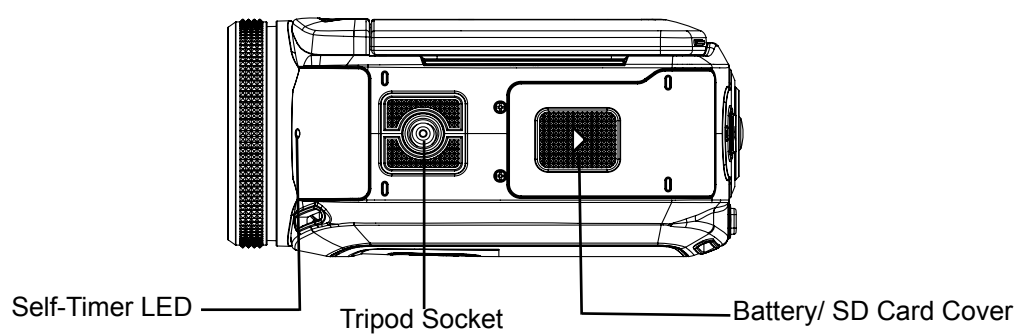
Rear View



Side View



Bottom View



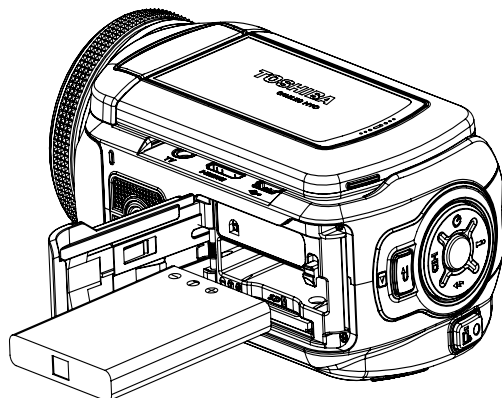
Section 2

Getting Started

Loading the Battery

Before using the camcorder, users must load NP 60 Battery.

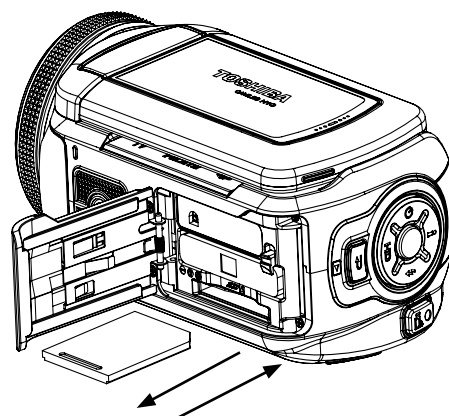
1. Insert the battery according to the correct polarity marks (+ or -).
2. Close the battery cover firmly.



Inserting and Removing an SD Card (Optional)

The camcorder comes with internal memory which allows you to store pictures and movies. You can expand the memory capacity by using an optional SD or MMC memory card. To insert a memory card, refer to the figure as below:

1. Insert the memory card into the right position.
2. To remove an installed card, press the card inwards to release it.
3. When the card pops out, remove it from its slot.

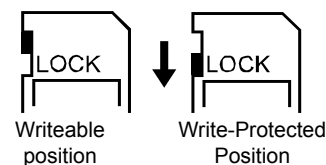


Note

When a memory card is fitted, movies and pictures are saved on card rather than on the built-in memory.

Protecting Data on an SD Card

SD card is read-only by locking the SD card. No pictures and movies can be recorded when the SD card is locked. Make sure the lock is on writeable position before recording.



Turning the Camcorder On and Getting Started

- To turn on the camcorder: Flip out the LCD panel or press Power Button for one second. When the camcorder is turned on, the green LED will light up.
- To take a movie, press the Movie Shutter Button ().
- To take a picture: Press and hold the Picture Shutter Button () lightly till the focusing frame turns from white to green. Then, press down the Picture Shutter Button to take picture.



- To take movie at HD resolution, press Down Button to switch to HD mode, then press the Movie Shutter Button ().
- To view stored movies, pictures, press Record/Play Button () once to switch to Playback Mode. Press a second time to return to Record Mode.

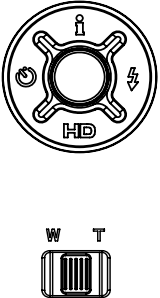
Turning the Camcorder Off

To turn off the camcorder: Return the LCD panel back to its original position or press the Power Button for one second.

Section 3

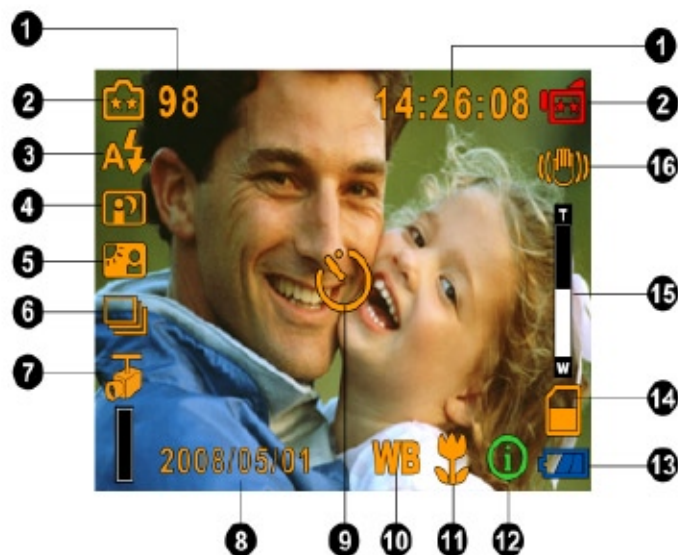
Record Mode

Button Function

	Right Button: Flash Auto/ON/OFF/ Red Eye Reduction Left Button: Self-Timer ON/OFF Up Button: Intelligent Lighting ON/OFF Down Button: HD Mode OK/Enter Button: Menu ON Tele Button : Zoom In Wide Button : Zoom out
	Power Button: Press down for one second to turn on or turn off the camcorder.
	Record/Play Button functions: 1. Switch between Record and Playback Mode. 2. Exit the Menu 3. Return to the previous page.
	Movie Shutter Button: 1. Start to take movie. 2. To stop recording, press it again.
	Picture Shutter Button: Start to take picture.

LCD Monitor Information

The indicator shows below may display on LCD when movies and pictures are recorded:



(1)	98	Number of images that can still be taken at current resolution
	14:26:08	Recording time of movie that can still be taken at current resolution
(2)		HD
		D1
		VGA
		QVGA
		High
		Standard
		Low
(3)		Auto Flash
		Flash On
		Flash Off
		Red Eye Reduction
(4)		Night Mode
(5)		Backlight Mode
(6)		Multi-Snap Mode

(7)		Motion Detection
(8)	2008/05/01	Date/Time: YYYY/MM/DD HH: MM
(9)		Self-Timer enabled
(10)	WB	Manual White Balance
(11)		Macro Position Focusing
(12)		Intelligent Lighting On
(13)		Battery: full power
		Battery: medium power
		Battery: low power
		Battery: power empty
(14)		SD Card inserted
(15)		20X zoom(5X optical zoom and 4X digital zoom)
(16)		Motion Stabilization

H.264 Movie Recording

- Press Movie Shutter button () to start recording. When a movie is recording, a time indicator will display on LCD monitor. To stop recording, press Movie Shutter Button () again.
- Press Record/Play Button to view the recorded movie.
- Four resolution settings are available:

Video Quality	
	HD(1280X720)
	D1(720X480)
	VGA(640X480)
	QVGA(320X240)

Picture Recording

- Press and hold the Picture Shutter Button () lightly till the focusing frame turns from white to green. Then, press down the Picture Shutter Button to take picture.
- Press Record/Play Button to view the picture.
- Three resolution settings are available:

Image Quality	
	High Quality: 16 Mega Pixels
	Standard Quality: 10 Mega Pixels
	Low Quality: 5 Mega Pixels

Using Intelligent Lighting Function

The camcorder has one mode to allow you to extend the brightness of the objects that is dark or in the shadow.

To use Intelligent Lighting Button:

1. When recording movies or taking pictures, press Intelligent Lighting () Button to extend dynamic range for backlight and high contrast sense so that the objects will be brighter and clearer.
2. Press Intelligent Lighting () Button again to exit.

Using Zoom Function

The zoom function magnifies images, when recording movies or taking pictures.

1. To zoom in/out, press the Tele/Wide Button.
2. It can be set from 1x to 20x(5x optical zoom and 4x digital zoom).

Options for Record Menu

Movie Mode	Camera Mode	Motion Detect	Effect	Setting
• Resolution • Macro Mode • Exposure • Sharpness • White Balance • Stabilization • Night Mode • Exit	• Resolution • Macro Mode • Exposure • Two in One • Photo Frame • Flash • Selftimer • Sharpness • White Balance • Multi-snap • Backlight • Date Printing • Night Mode • Exit	• On • Off	• Normal • B/W • Classic • Negative • Exit	• Sound • Time Setting • Format Memory /Format Card • TV System • Language • Information • Default Setting • Exit

Operations for Record Mode

Operation	Display Screen
1. Press OK Button when in Movie/Picture Record Mode.	
2. Use Right/Left Buttons to move between main menu options, which are Movie Mode, Camera Mode, Motion Detect, Effect, and Setting. Submenu will pop out while move to each main option. 3. Press OK Button to validate sub option you select.	 OK Button 

Default Setting and Validation

The following table indicates the camcorder's default setting as well as its validation.

1. **Always:** The setting always keeps valid.
2. **One Time:** The setting is only valid either once or till camcorder power off.

Setting	Validation	Default Factory Setting
Resolution	Always	HD for Movie Standard for Picture
Stabilization	Always	Off
Flash	Always	Off
Date Printing	Always	Off
Night Mode	Always	Off
Sound	Always	On
TV System	Always	Depends on shipping area
Language	Always	Depends on shipping area
Volume	Always	Level 8
Macro	One Time	Normal
Exposure	One Time	0EV
Sharpness	One Time	Level 5
White Balance	One Time	Auto
Two in One	One Time	Off
Photo Frame	One Time	Off
Self-Timer	One Time	Off
Multi-Snap	One Time	Off
Backlight Mode	One Time	Off
Motion Detect	One Time	Off
Effect	One Time	Normal
Format Memory / Format Card	One Time	Off
Information	One Time	On
Intelligent Lighting	One Time	Off

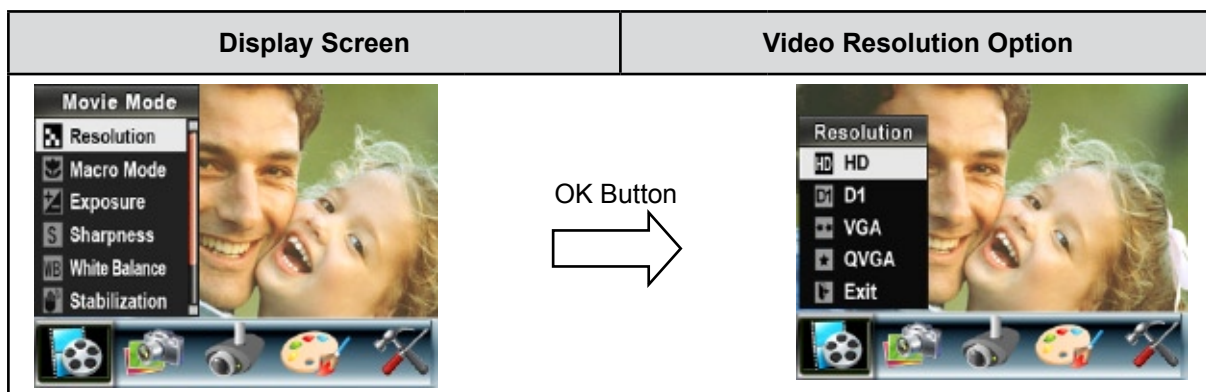
Movie Mode submenu Settings

Record main menu includes camcorder setting and other advanced settings. You can use Right/Left Buttons to move between options and press OK Button to validate the settings.

Movie Resolution

To change Movie Resolution:

1. In Movie/Picture Record Mode, press OK Button to switch to record menu screen.
2. Use Right/Left Buttons to select Movie Mode. Submenu of Movie Mode will pop out on the screen.
3. Use Up/Down Buttons to select Resolution then press OK Button to switch to Resolution submenu.
4. Use Up/Down Buttons to move between four settings.
5. Press OK Button to validate the settings and exit.

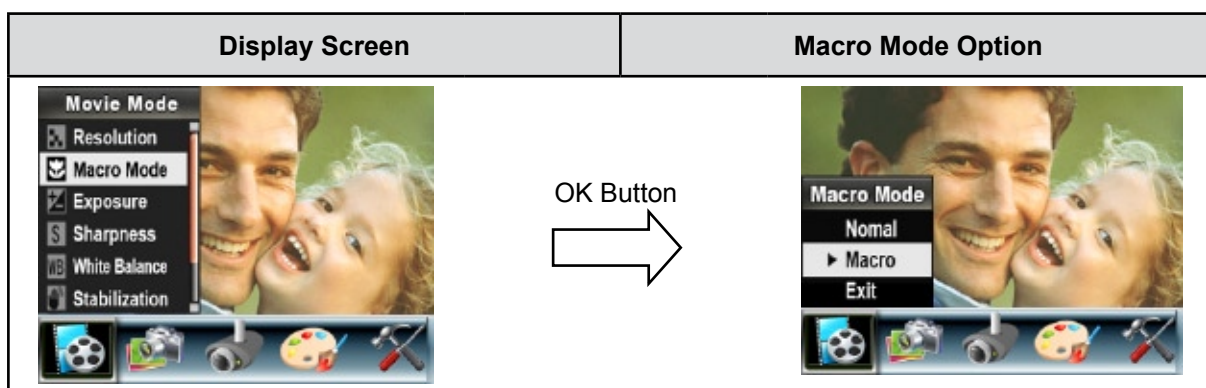


Macro Mode

With Macro Mode set to Macro, you could take closer images of objects in distance of 1cm to 30cm.

To enable Macro Mode:

1. In Movie/Picture Record Mode, press OK Button to switch to record menu screen.
2. Use Right/Left Buttons to select Movie Mode. Submenu of Movie Mode will pop out on the screen.
3. Use Up/Down Buttons to select Macro Mode then press OK Button to switch to Macro Mode submenu.
4. Use Up/Down Buttons to move between two settings.
5. Press OK Button to validate the setting and exit.
6. To switch back to the default value, select 'Normal' in the Macro Mode submenu.

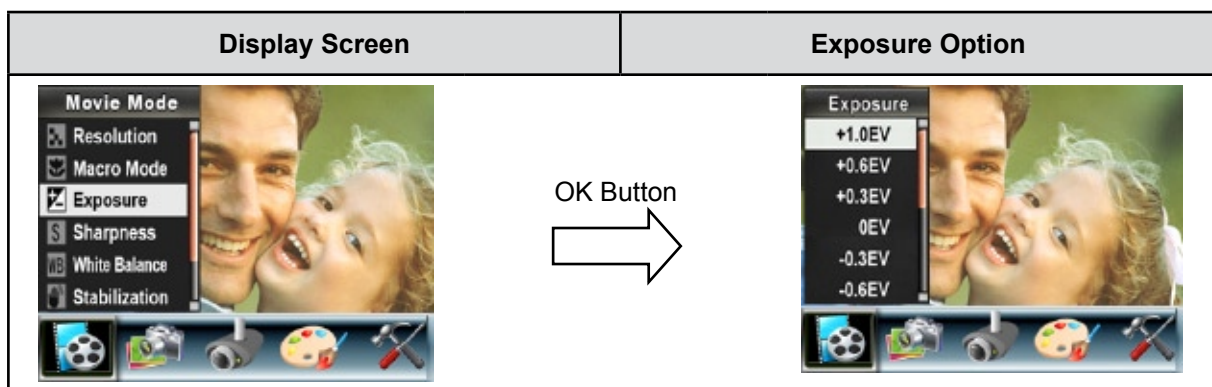


Exposure

The camcorder adjusts image exposure automatically. In certain circumstances you may wish to adjust the exposure compensation setting.

To change Exposure setting:

1. In Movie/Picture Record Mode, press OK Button to switch to record menu screen.
2. Use Right/Left Buttons to select Movie Mode. Submenu of Movie Mode will pop out on the screen.
3. Use Up/Down Buttons to move to Exposure Option. Press OK Button and then Exposure Submenu will pop out on the screen.
4. Use Up/Down Buttons to choose preferred EV value. The change can be previewed immediately.
5. Press OK Button to validate the setting and exit.

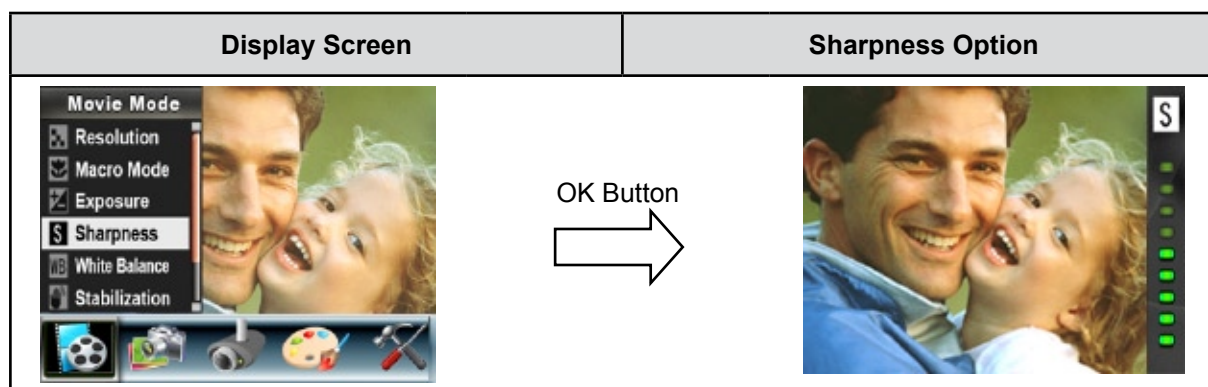


Sharpness

You can soften and sharpen images to achieve different effects.

To change Sharpness setting:

1. In Movie/Picture Record Mode, press OK Button to switch to record menu screen.
2. Use Right/Left Buttons to select Movie Mode. Submenu of Movie Mode will pop out on the screen.
3. Use Up/Down Buttons to select Sharpness then press OK Button to switch to Sharpness submenu.
4. Use Up/Down Buttons to move between nine levels. The change can be previewed immediately.
5. Press OK Button to validate the setting and exit.



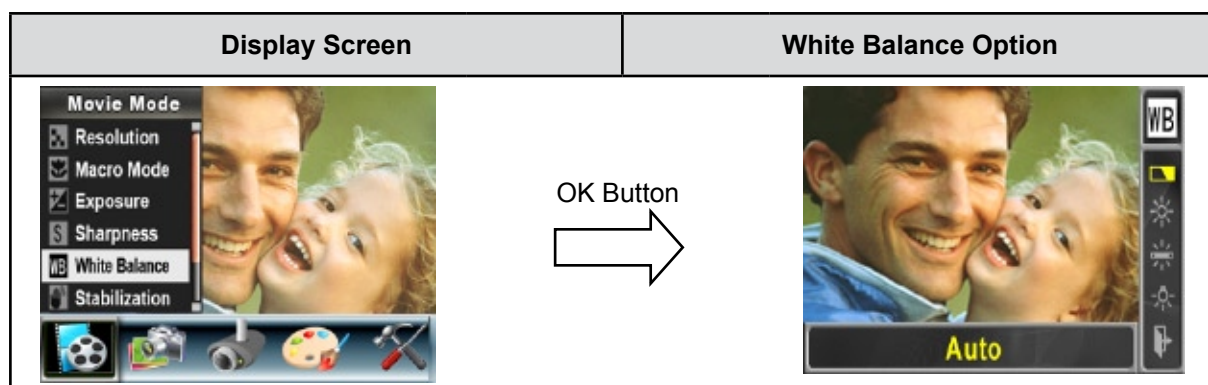
White Balance

The camcorder adjusts the color balance of images automatically. Four manual white balance settings are available:

- **Auto:** The camcorder automatically adjusts white balance.
- **Daylight:** Under outdoors
- **Fluorescent:** Under fluorescent light condition.
- **Tungsten:** Under tungsten light condition.

To change White Balance Setting:

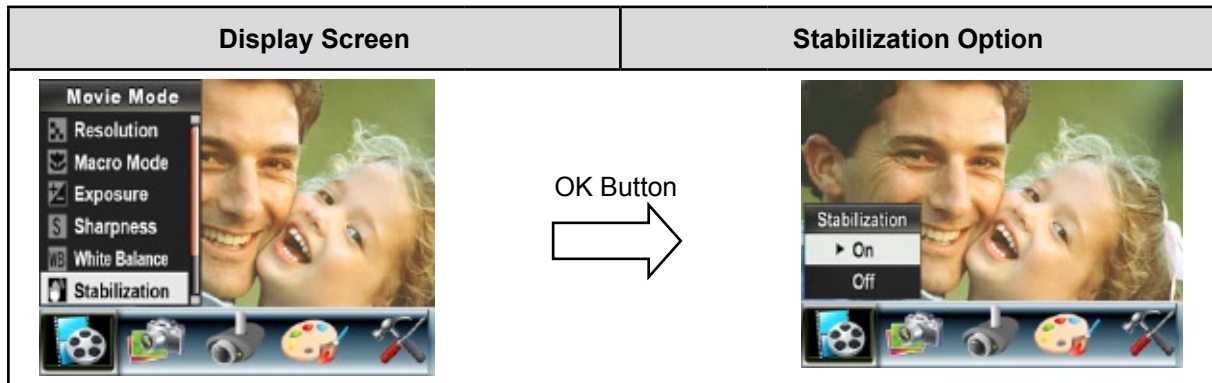
1. In Movie/Picture Record Mode, press OK Button to switch to record menu screen.
2. Use Right/Left Buttons to select Movie Mode. Submenu of Movie Mode will pop out on the screen.
3. Use Up/ Down Buttons to select White Balance, then press OK Button to switch to White Balance submenu.
4. Use Up/Down Buttons to move between four settings. The change can be previewed immediately.
5. Press OK Button to validate the setting and exit.



Stabilization

To enable Stabilization:

1. In Movie/Picture Record Mode, press OK Button to switch to record menu screen.
2. Use Right/Left Buttons to select Movie Mode. Submenu of Movie Mode will pop out on the screen.
3. Use Up/Down Buttons to select Stabilization then press OK Button to switch to Stabilization submenu.
4. Use Up/Down Buttons to choose ON or OFF.
5. Press OK Button to validate the setting and exit.

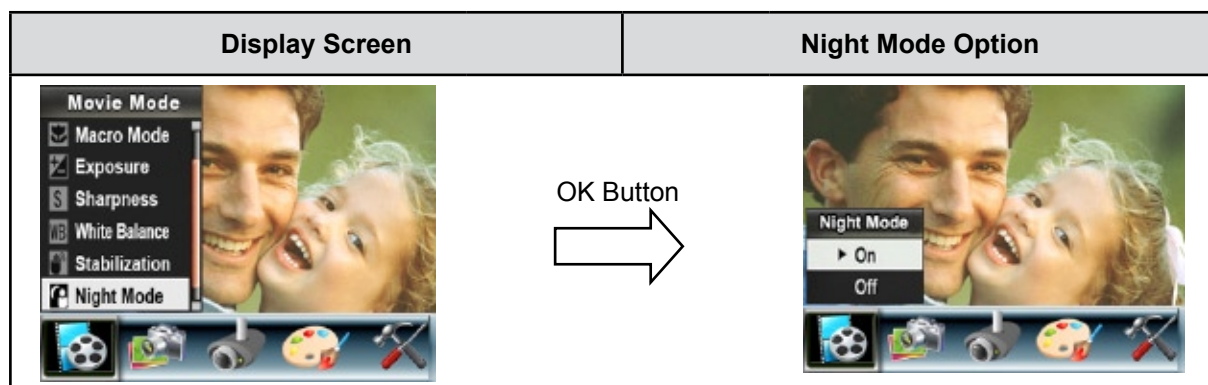


Note

- The captured screen will be smaller when stabilization is enabled.
- Digital Zoom is disabled when stabilization is activated.

Night Mode

Use Night Mode for night scenes or low light conditions.



Note

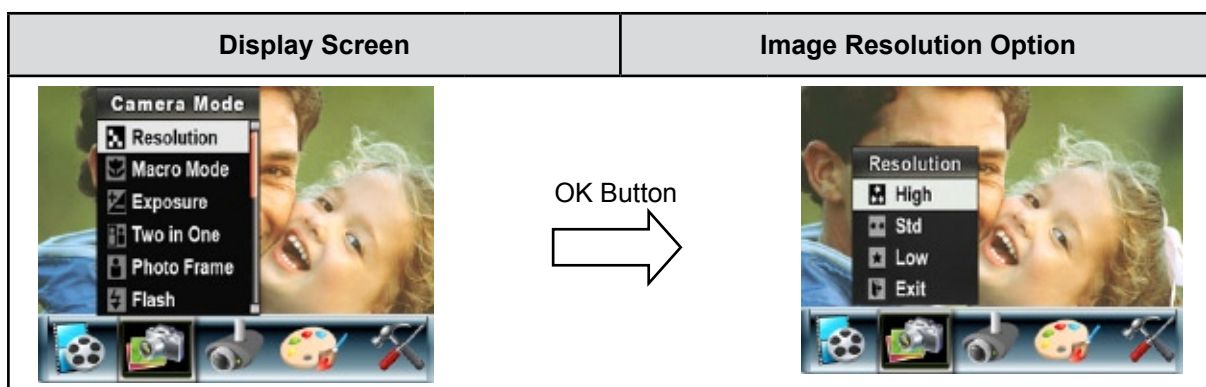
To avoid blurry pictures, place the camcorder on a flat, steady surface, or use a tripod.

Camera Mode Settings

Picture Resolution

To change Picture Resolution:

1. In Movie/Picture Record Mode, press OK Button to switch to record menu screen.
2. Use Right/Left Buttons to select Camera Mode. Submenu of Camera Mode will pop out on the screen.
3. Use Up/Down Buttons to select Resolution then press OK Button to switch to Resolution submenu.
4. Use Up/Down Buttons to move between three settings.
5. Press OK Button to validate the setting and exit.

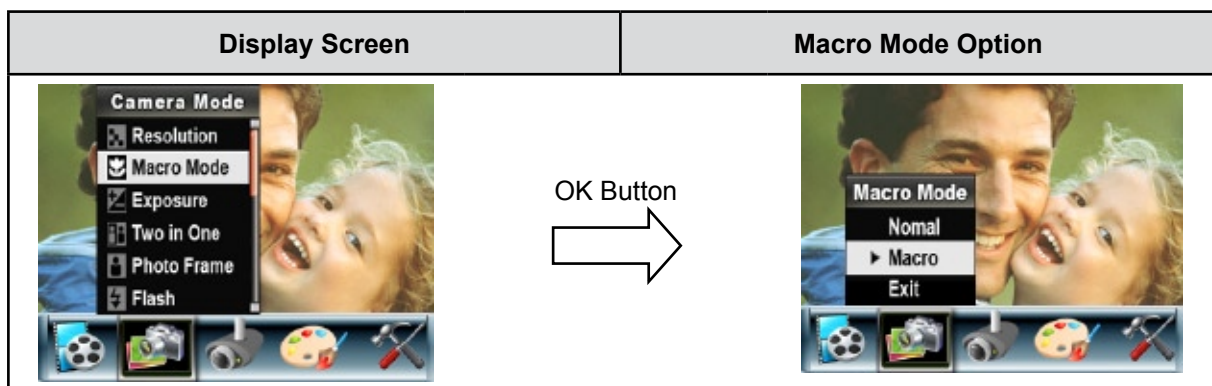


Macro Mode

With Macro Mode set to Macro, you could take closer images of objects in distance of 1cm to 30cm.

To enable Macro Mode:

1. In Movie/Picture Record Mode, press OK Button to switch to record menu screen.
2. Use Right/Left Buttons to select Camera Mode. Submenu of Movie Mode will pop out on the screen.
3. Use Up/Down Buttons to select Macro Mode then press OK Button to switch to Macro Mode submenu.
4. Use Up/Down Buttons to move between two settings.
5. Press OK Button to validate the setting and exit.
6. To switch back to the default value, select 'Normal' in the Macro Mode submenu.

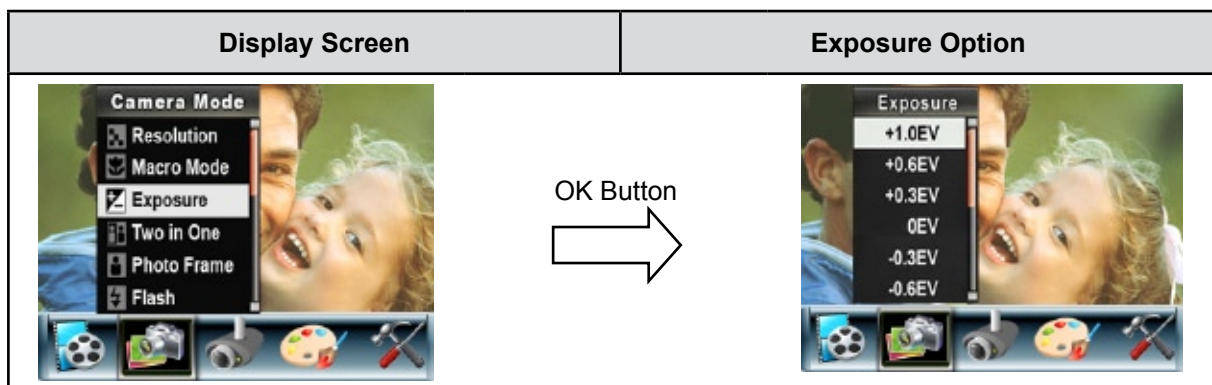


Exposure

The camcorder adjusts image exposure automatically. In certain circumstances you may wish to adjust the exposure compensation setting.

To change Exposure setting:

1. In Movie/Picture Record Mode, press OK Button to switch to record menu screen.
2. Use Right/Left Buttons to select Camera Mode. Submenu of Camera Mode will pop out on the screen.
3. Use Up/Down Buttons to move to Exposure Option. Press the OK Button and then Exposure Submenu will pop out on the screen.
4. Use Up/Down Buttons to choose preferred EV value. The change can be previewed immediately.
5. Press OK Button to validate the setting and exit.



Two in One (Picture Record Mode Only)

With camcorder set to Two in One mode, you can combine two snapshots into one picture.

To enable Two in One:

1. In Movie/Picture Record Mode, press OK Button to switch to record menu screen.
2. Use Right/Left Buttons to select Camera Mode. Submenu of Camera Mode will pop out on the screen.
3. Use Up/Down Buttons to select Two in One then press OK Button to switch to Two in One submenu.
4. Use Up/Down Buttons to choose ON or OFF.
5. Press OK Button to validate the setting and exit.

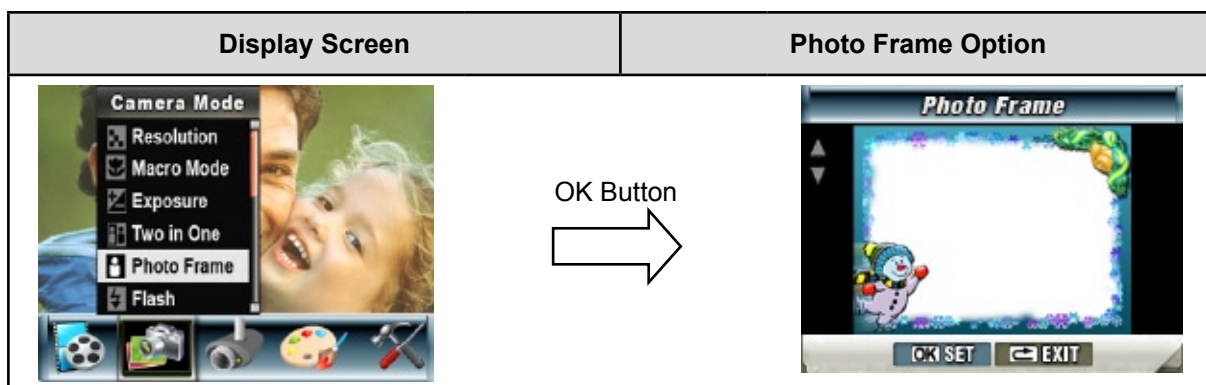
Display Screen	Two in One Option
	
1. Press Picture Shutter Button to take first picture.	
2. Press Picture Shutter Button to take second picture.	
3. Press the Record/Play Button to view the Two in One picture.	

Photo Frame (Picture Record Mode Only)

Your camcorder features popular electronic photo frame. You can take your picture with preferred electronic photo frame.

To enable Photo Frame:

1. When in Camera Mode, use Up/Down Buttons to select Photo Frame option, then press OK Button to switch to Photo Frame submenu.
2. Use Up/Down Buttons to locate preferred photo frame. Then select Set option and press OK Button to validate the setting and exit.



Flash (Picture Record Mode Only)

This camcorder has four flash settings. To change flash setting by either hot key (Right Button) or Option Setting.

- **Auto Flash (A⚡)**: the flash fires automatically according to light conditions. Use this mode for general photography.
- **Flash On (⚡)**: the flash will fire in every shot.
- **Flash Off (⚡)**: the flash will not fire under any circumstances. Use this mode when taking images in a place where flash photography is prohibited, or when the subject is distant (beyond the range of the flash).
- **Red Eye Reduction (⚡)**: The pre-flash will fire to reduce the red-eye effect.

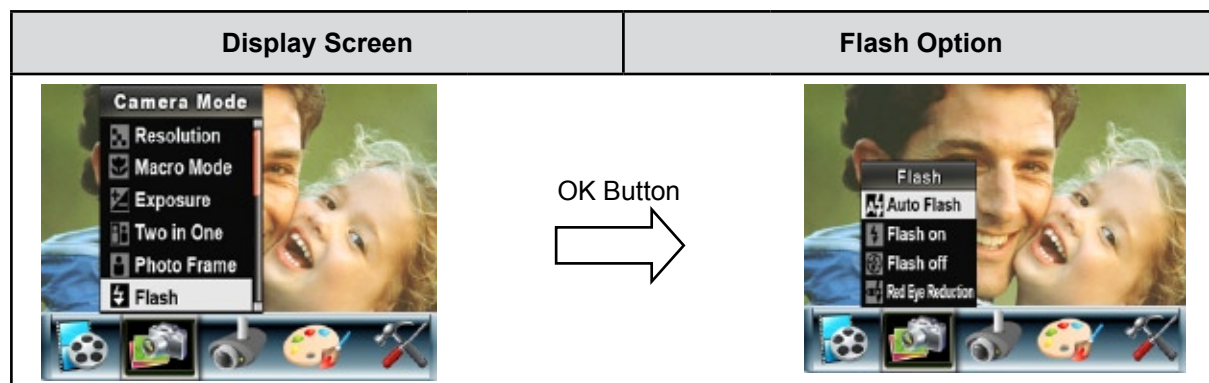
To change Flash setting:

1. When in Camera Mode, use Up/Down Buttons to select Flash Option, then press OK Button to switch to Flash submenu.
2. Use Up/Down Buttons to move between 4 settings.
3. Press OK Button to validate the setting and exit.



Note

The flash will be disabled automatically when battery power is low (🔋).

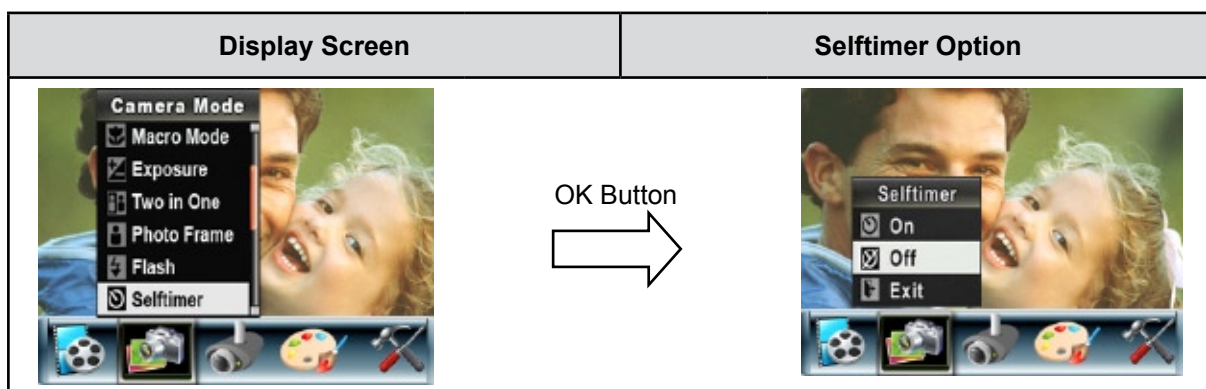


Selftimer (Picture Record Mode Only)

The selftimer allows you to take pictures with a ten-second time delay. The Self-Timer LED on the front of the camcorder will also blink. The speed of blinking will increase just before the picture is taken.

To enable Selftimer:

1. When in Camera Mode, use Up/Down Buttons to select Selftimer, then press OK Button to switch to Selftimer submenu.
2. Use Up/Down Buttons to choose On or Off.
3. Press OK Button to validate the setting and exit.

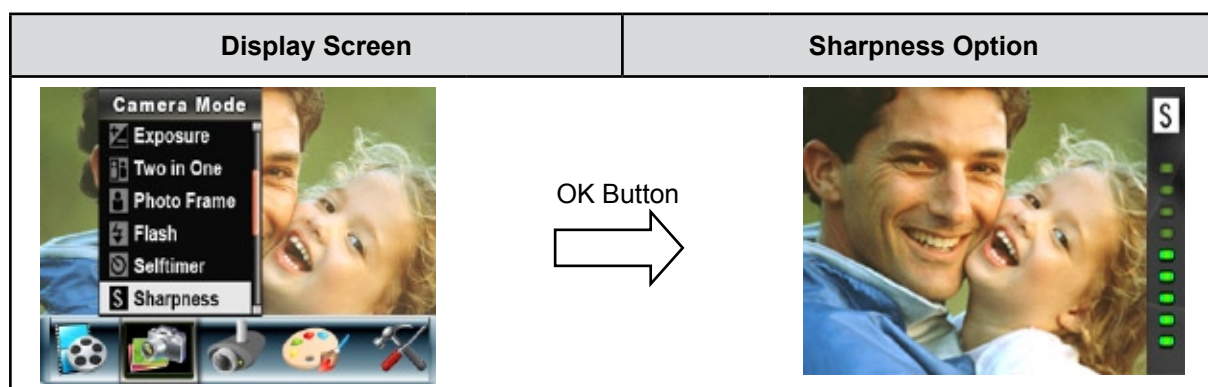


Sharpness

You can soften and sharpen images to achieve different effects.

To change Sharpness setting:

1. When in Camera Mode, use Up/Down Buttons to select Sharpness Option, then press OK Button to switch to Sharpness submenu.
2. Use Up/Down Buttons to move between nine levels. The change can be previewed immediately.
3. Press OK Button to validate the setting and exit.



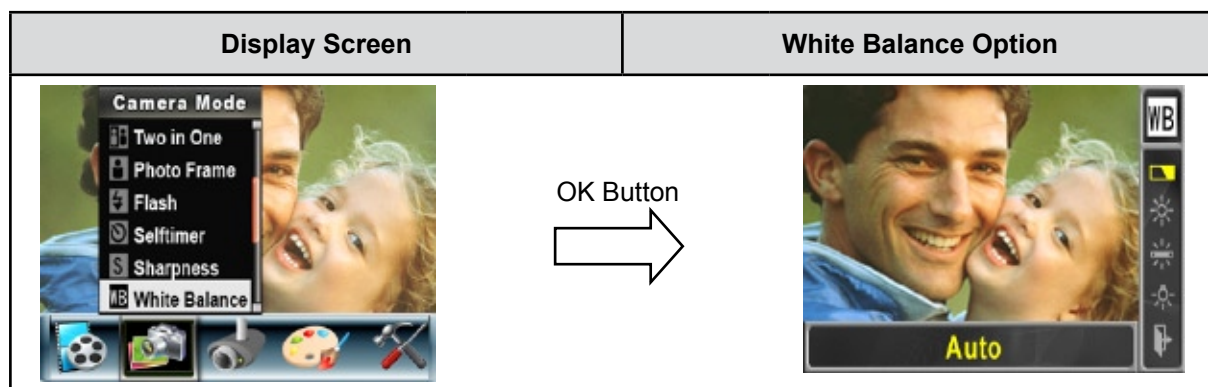
White Balance

The camcorder adjusts the color balance of images automatically. Four manual white balance settings are available:

- **Auto:** The camcorder automatically adjusts white balance.
- **Daylight:** Under outdoors.
- **Fluorescent:** Under fluorescent light condition.
- **Tungsten:** Under tungsten light condition.

To change White Balance Setting:

1. When in Camera Mode, use Up/Down Buttons to select White Balance, then press OK Button to switch to White Balance submenu.
2. Use Up/Down Buttons to move between four settings. The change can be previewed immediately.
3. Press OK Button to validate the setting and exit.

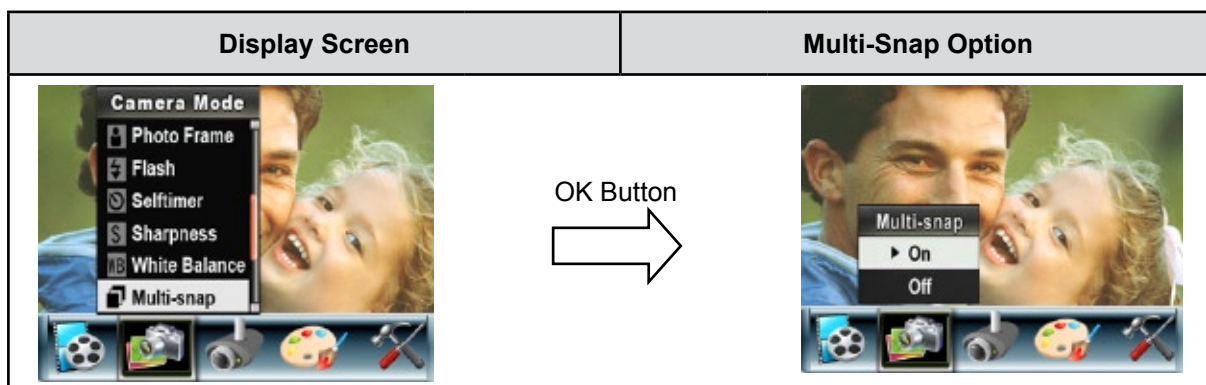


Multi-Snap (Picture Record Mode Only)

With the camcorder set to Multi-Snap Mode, you can take five continuous pictures.

To enable Multi-Snap:

1. When in Camera Mode, use Up/Down Buttons to select Multi-Snap, then press OK Button to switch to Multi-Snap submenu.
2. Use Up/Down Buttons to choose On or Off.
3. Press OK Button to validate the setting and exit.

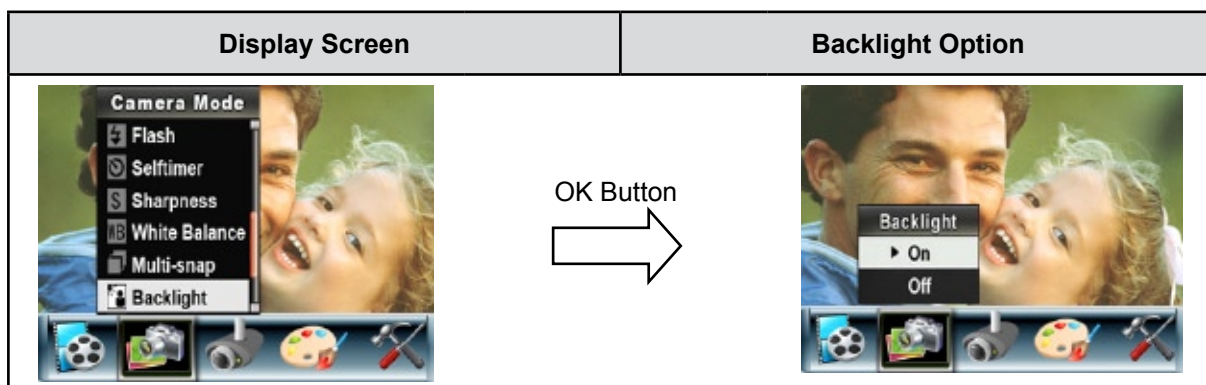


Backlight (Picture Record Mode Only)

With the camcorder set to backlight Mode, you can take shots when bright light is behind the subject.

To enable Backlight:

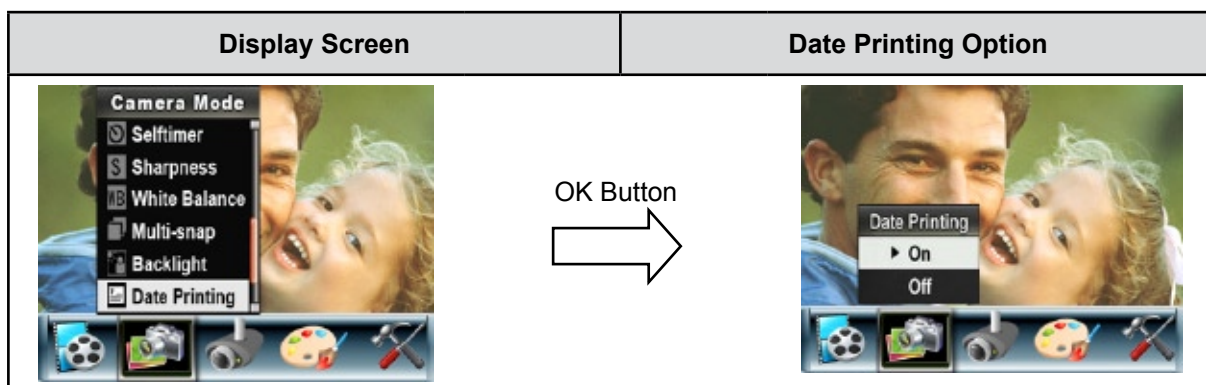
1. When in Camera Mode, use Up/Down Buttons to select Backlight, then press OK Buttons to switch to Backlight submenu.
2. Use Up/Down Buttons to choose On or Off.
3. Press OK Button to validate the setting and exit.



Date Printing (Picture Record Mode Only)

To enable Date Printing:

1. When in Camera Mode, use Up/Down Buttons to select Date Printing, then press OK Button to switch to Date Printing submenu.
2. Use Up/Down Buttons to choose On or Off.
3. Press OK Button to validate the setting and exit.

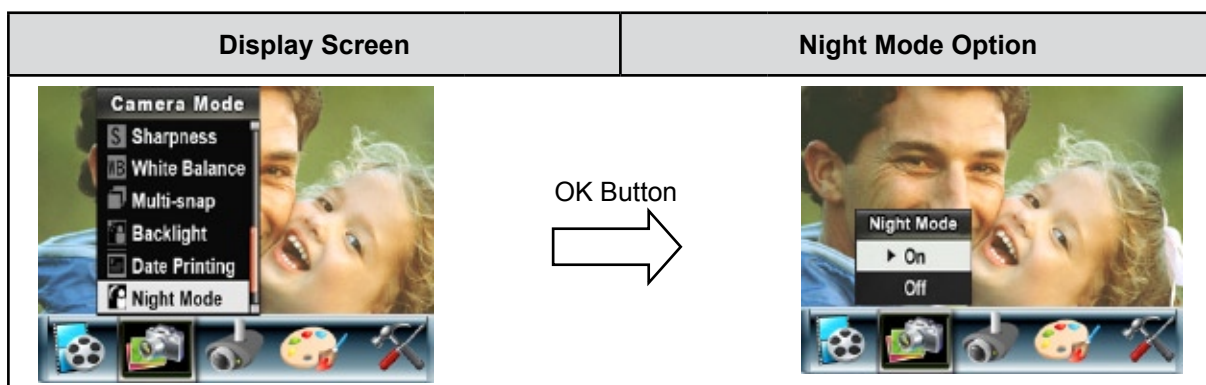


Note

Date would be shown on the picture once date printing is enabled.

Night Mode

Use Night Mode for night scenes or low light conditions.



Note

To avoid blurry pictures, place the camcorder on a flat, steady surface, or use a tripod.

Motion Detection

To enable Motion Detection:

1. In Movie/Picture Record Mode, press OK Button to switch to record menu screen.
2. Use Right/Left Buttons to move to Motion Detect Option. Submenu of Motion Detect will pop out on the screen.
3. Use Up/Down Buttons to choose ON or OFF.
4. Press OK Button to validate the setting and exit.
5. Camcorder will start to record video automatically if it detects a movement. Stop recording if it does not detect a movement.



Effect Setting

The effects can be Normal, Black/White, Classic and Negative.

To change Effect setting:

1. In Movie/Picture Record Mode, press OK Button to switch to record menu screen.
2. Use Right/Left Buttons to move to Effect Option. Then Effect Submenu will pop out on the screen.
3. Use Up/Down Buttons to move between four settings. The change can be previewed immediately.
4. Press OK Button to validate the setting and exit.



Setting Menu

The Setting submenu contains options for configuring your camcorder set up.

To change advanced setting:

1. In Movie/Picture Record Mode, press OK Button to switch to record menu screen.
2. Use Right/Left Buttons to move to Setting option, then Setting Submenu will pop out on the screen.
3. Use Up/Down Buttons to move between settings.

Display Screen	Setting Option
	• Sound (operation sound) • Time Setting • Format Memory/ Format Card  • TV System • Language • Information • Default Setting

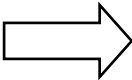


Note

Please refer to Format Memory/Card on page 37.

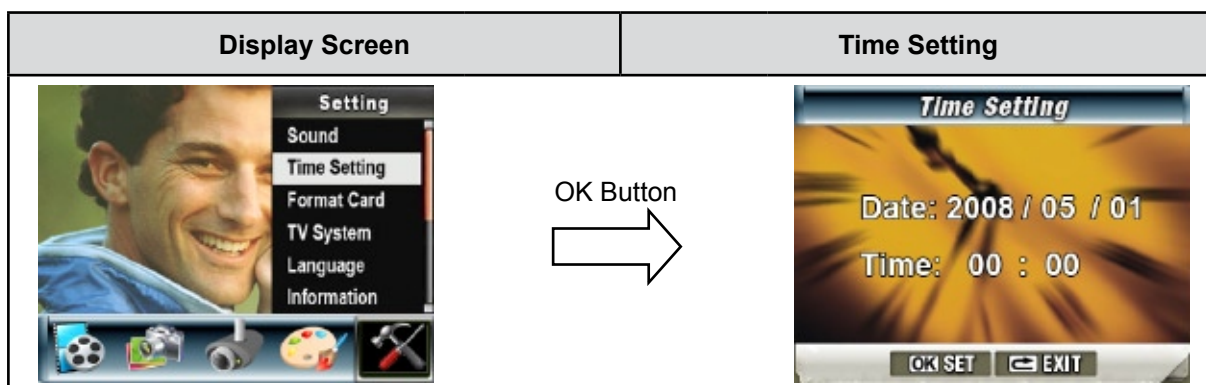
Sound

Enable or disable operation sound by using Up/Down Buttons then press OK Button to validate the setting.

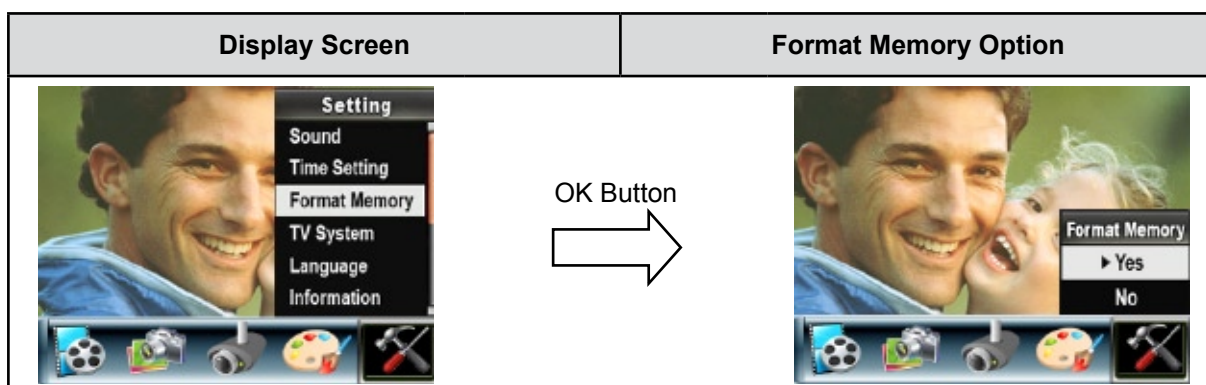
Display Screen	Sound Option
	OK Button  

Time Setting

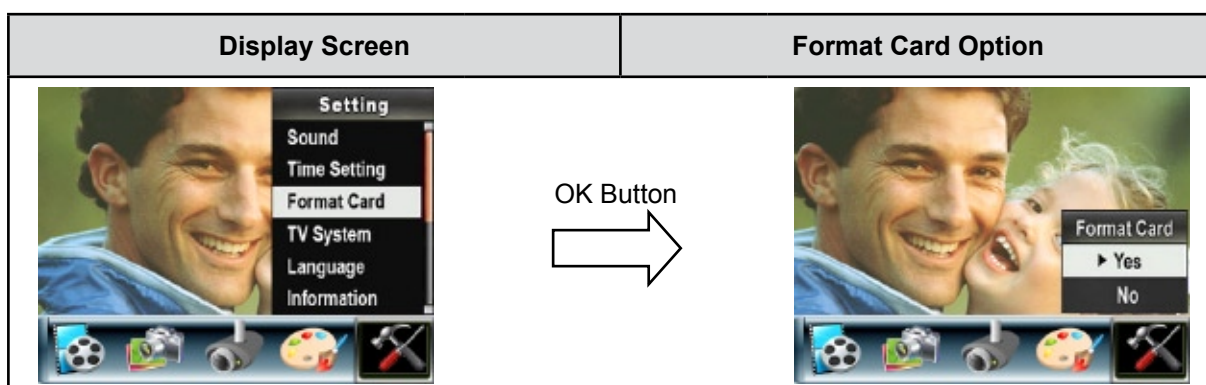
- Move between Date, Time, Set and Exit by using Left/Right Buttons.
- Adjust date and time by using Up/Down Buttons, then select Set to validate each change.
- Select Exit to leave Time Setting without any change.



Format Memory (when there is no SD Card in the camcorder)



Format Card (when there is an SD Card in the camcorder)



Note

All the data will be erased if the SD card is formatted. Make sure all the data are duplicated to PC before formatting SD card.

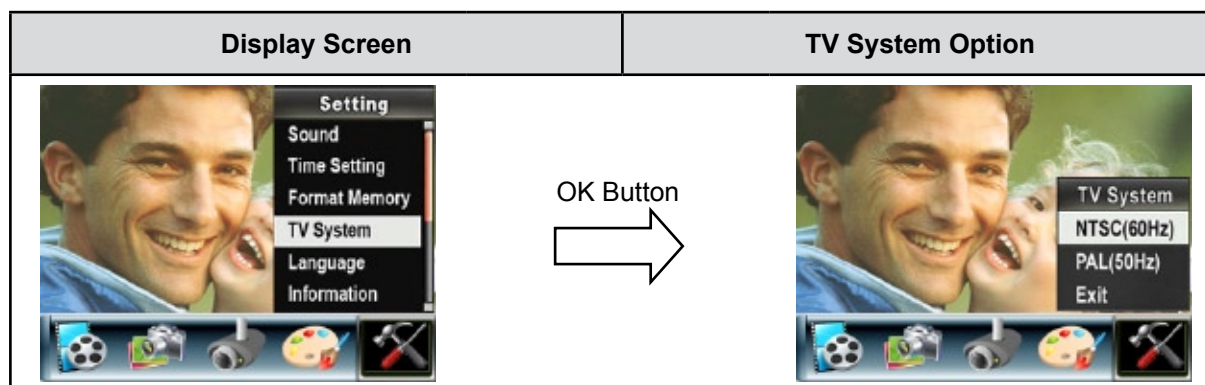
TV System

Ensure that the appropriate TV standard of your area is selected – either NTSC or PAL.

Wrong TV system setting may cause image flicker.

NTSC standard: USA, Canada, Japan, South Korea and Taiwan etc.

PAL standard: UK, Europe, China, Australia, Singapore and Hong Kong etc.



Selecting Interface Language

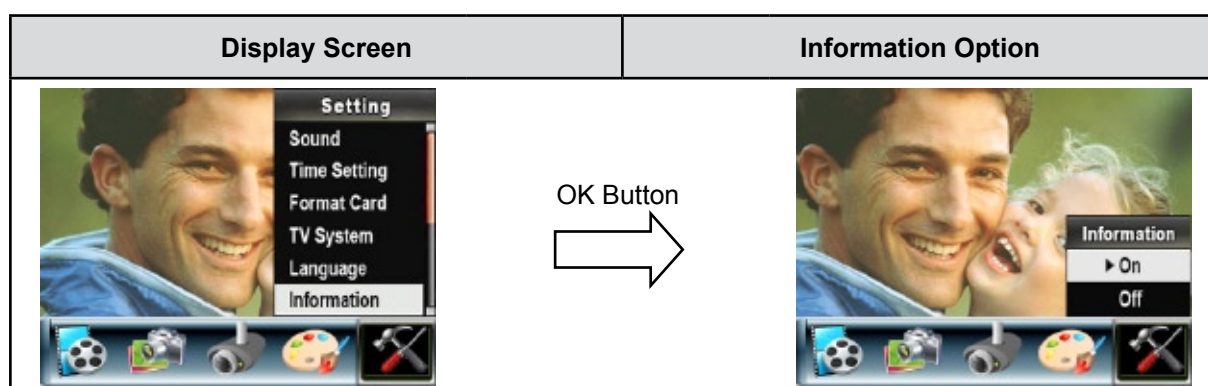
Use this option to select the language of user interface which you want.



Information

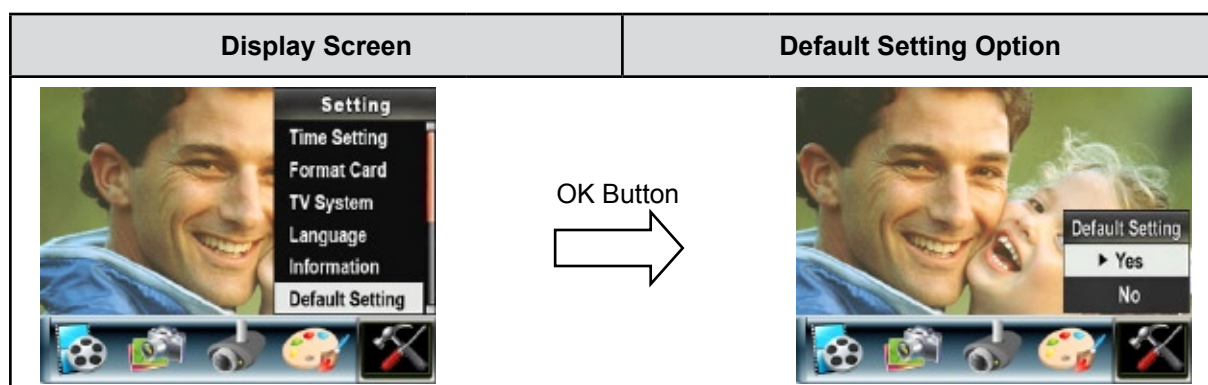
On: Show the indicator(s) on the LCD screen.

Off: Do not show the indicator(s) on the LCD screen.



Default Setting

To restore the default factory setting, select this option.

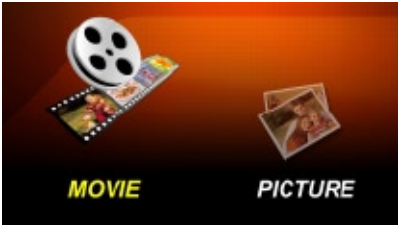


Section 4

Playback Mode

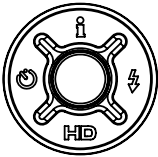
Press Record/Play Button to switch from Record Mode to Playback Mode.

The Playback Mode is for viewing and managing movies and pictures on the built-in memory or on an optional memory card.

Operation	Display Screen
Press Record/Play Button () to switch from Record Mode to Playback Mode Main Menu. • There are 2 options in the Playback Mode, movie and picture. • Direction Buttons can be used to select the specific option. • Press OK Button to view movies or pictures.	

Button Function

The Direction Buttons have the following functions in Movie and Picture Playback Modes.

 	Right Button: Go to the next movie/picture. Left Button: Go to the previous movie/picture. OK/Enter Button: Enter to movie or picture option menu. Tele Button : Zoom in. (only Picture Mode) Wide Button : Zoom out. (only Picture Mode)
	Record/Play Button functions: 1. Switch between Record and Playback modes. 2. Return to the previous page.
	Movie Shutter Button: Start playing the recorded movie.

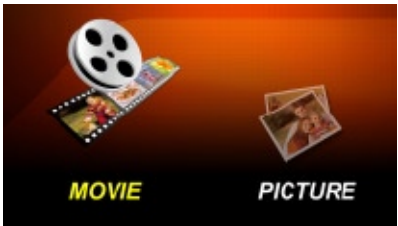
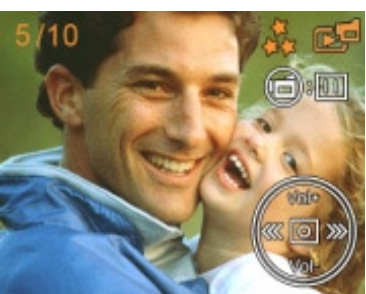
LCD Monitor Information

Indicators on the LCD screen while in Playback Mode:



(1)	5/10	Current Number/ Total number of movie or picture.
(2)		Magnification Indicator.
(3)		Indicate the screen is in Playback Mode
(4)		HD
		D1
		VGA
		QVGA
		High
		Standard
		Low
(5)		Indicate the selected movie/picture is locked.

Movie Playback

Operation	Display Screen
1. Press Record/Play Button to select Playback Mode. Use Direction Buttons to select the Movie option. 2. Press OK Button to go to Movie Playback Mode.	 The screen shows two options: 'MOVIE' with a film reel icon and 'PICTURE' with a photo icon. The 'MOVIE' option is highlighted in yellow.
3. Use Right/Left Buttons to go to the next or last movie. 4. Press Movie Shutter Button to play and press it again to pause. 5. While playing movie, press Right/Left Buttons to fast forward/backward, then release the button to stop. 6. Use Up/Down Buttons to adjust volume.	 The screen shows a video of a man and a child. In the top left corner, it displays '5/10'. On the right side, there are several icons: a star, a folder, a play button, a pause button, and a volume control icon with 'Vol' text.
7. Press OK Button to go to the movie option menu. 8. Use Right/Left Buttons to select six options, Delete, Thumbnail, Lock, Repeat One, Repeat All, or Exit.	 The screen shows the same video. A 'Delete' button is highlighted in the center. At the bottom, there is a row of six icons: a trash can, a calculator, a lock, a play button, a repeat button, and a power button.

Delete Movies

Operation	Display Screen
1. Use Right/Left Buttons to select the Delete option ().	
2. Press OK Button to go to the Delete menu. 3. Use Right/Left Buttons to select the movie. 4. Use Up Button to delete all movies and Down Button to delete single movie. 5. Before a movie is deleted, a confirmation screen will appear; choosing "Yes" will execute the operation and "No" to cancel the operation. 6. Press OK Button to exit.	 



Note

- If a memory card is fitted, you can delete only those movies stored on the card.
- Movies on a written-protected memory card cannot be deleted.
- The delete function will only erase unlocked movies. Locked movies must be unlocked before being deleted.

Thumbnail Function

Operation	Display Screen
1. Use Right/Left Buttons to select the Thumbnail option ().	
2. Press OK Button to view nine thumbnail movies. 3. To play a movie, use Right/Left Buttons to select the movie and press OK Button to view.	

Lock Movies

Single or all movies can be locked. This function can prevent the movies from being deleted accidentally.

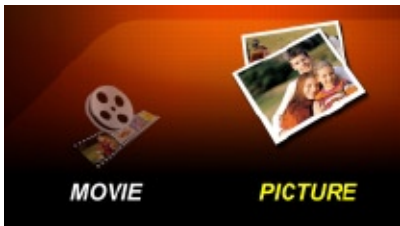
Operation	Display Screen
1. Use Right/Left Buttons to select the Lock option (). 2. Press OK Button to go to the Lock menu.	
3. Use Right/Left Buttons to select the movie. 4. Use Up Button to lock/unlock all movies and Down Button to lock/unlock single movie. 5. Before a movie is locked/unlocked, a confirmation screen will appear; choosing "Yes" will execute the operation, "No" will cancel the operation. 6. Press OK Button to exit.	

Repeat Movies

This function automatically repeats playing single movie or all movies in order.

Operation	Display Screen
1. Use Right/Left Buttons to select the Repeat One option () or Repeat All option (). 2. Press OK Button to start repeating, press it again to stop.	 

Picture Playback

Operation	Display Screen
1. Press Record/Play Button to select Playback Mode. Use Right/Left Buttons to select the Picture option. 2. Press OK Button to go to Picture Playback Mode.	
3. Use Right/Left Buttons to go to the next or last picture. 4. While the picture is selected, use Tele/Wide Buttons to magnify. 5. To navigate the magnified picture, use Direction Buttons to navigate the magnified picture. Press Record/Play Button again to exit navigation mode.	
6. Press OK Button to go to the picture option menu. 7. Use Right/Left Buttons to select five options, Delete, Thumbnail, Lock, Slideshow, or Exit.	

Delete Picture

Operation	Display Screen
1. Use Right/Left Buttons to select the Delete option ().	
2. Press OK Button to go to the Delete menu. 3. Use Right/Left Buttons to select the picture. 4. Use Up Button to delete all pictures and Down Button to delete single picture. 5. Before a picture is deleted, a confirmation screen will appear; choosing "Yes" will execute the operation, "No" will cancel the operation. 6. Press OK Button to exit.	 



Note

- If a memory card is fitted, you can delete only those pictures stored on the card.
- Pictures on a written-protected memory card cannot be deleted.
- The delete function will only erase unlocked pictures. Locked pictures must be unlocked before being deleted.

Thumbnail Function

Operation	Display Screen
1. Use Direction Buttons to select the Thumbnail option ().	
2. While selecting Thumbnail option, press OK Button to view nine thumbnail pictures. 3. To view a picture, use Direction Buttons to select the picture. 4. Press OK Button to view the selected picture.	

Lock Pictures

Single or all pictures can be locked. This function can prevent the pictures from being deleted accidentally.

Operation	Display Screen
1. Use Right/Left Buttons to select the Lock option ().	
2. Press OK Button to go to the Lock menu. 3. Use Right/Left Buttons to select the picture. 4. Use Up Button to lock/unlock all pictures and Down Button to lock/unlock single picture. 5. Before a picture is locked/unlocked, a confirmation screen will appear; choosing "Yes" will execute the operation, "No" will cancel the operation. 6. Press OK Button to exit.	

Make Slide Show

This function automatically repeats all pictures in order.

Operation	Display Screen
1. Use Right/Left Buttons to select the Slideshow option (). 2. Press OK Button to start the slide show; press it again to stop.	

Section 5

Viewing MPEG4 AVC/H.264 Movie on PC

Transferring Pictures or Movies to a Computer

You can transfer pictures or movies stored on your camcorder to a computer and send them in emails to friends or post them on websites.

To do this you should:

1. Connect the computer and camcorder with the supplied mini USB 2.0 cable. The LED will light up and blink.
2. After the LED stops blinking, movies can be found on your computer at "My Computer\Removable Disk\DCIM\200MOVIE", while picture(s) can be found on your computer at "My Computer\Removable Disk\DCIM\100PHOTO" (Under the circumstances of within SD card in the camcorder and OS of your computer is Windows XP)💡
3. Under these folders, you can read, delete, move, or copy any movie/picture you want.
4. Use the bundled ArcSoft application software to edit the movies or pictures.



Note

"My Computer\Removable Disk" would be different based on OS recognition.

View Movie on PC

When playing a movie for the first time, Video Codec should be installed in PC. To do this:

1. Insert the CD-ROM into the computer's CD-ROM drive. Click "Install Video Codec" and follow the on-screen instructions to complete the installation.
2. Start video player such as Windows Media Player to view AVI Movies.

Share Movie

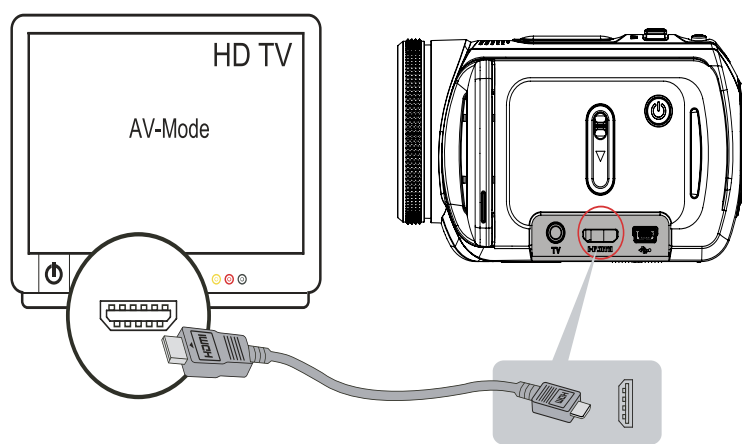
You can share the recorded movies to your friends via internet or CD. Make sure Video Codec is installed in your friends' PC. Video Codec is available in the provided CD.

Section 6

Viewing Pictures and Movies on a TV

Connecting to a high-definition TV

1. Connect HDMI cable to a HD TV.
2. Set video input source of a TV to “HDMI” option.
3. The steps for viewing stored pictures and movie on a TV are exactly the same as for viewing them on the LCD monitor.

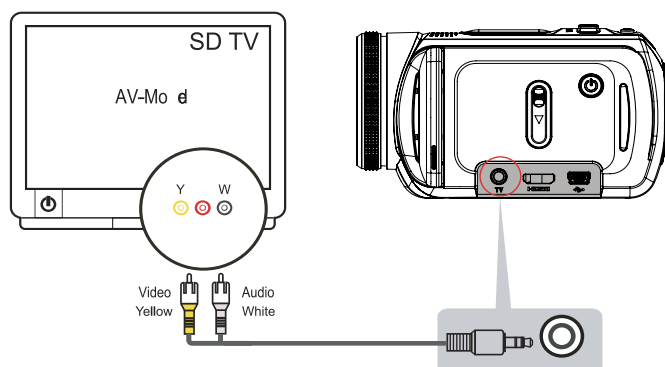


Note

The camcorder can not run movie recording and picture taking when it is connected to a high-definition TV. The LCD Panel does not work when the camcorder is connected to a high-definition TV.

Connecting to a non-high-definition 16:9 (Wide) or 4:3 TV

1. Connect one end of the AV cable to your camcorder's AV Out port.



2. Connect the other end of the cable to a TV.
3. The steps for viewing stored pictures and movie on a TV are exactly the same as for viewing them on the LCD monitor.



Note

The LCD Panel does not work when the camcorder is connected to a TV.

Section 7

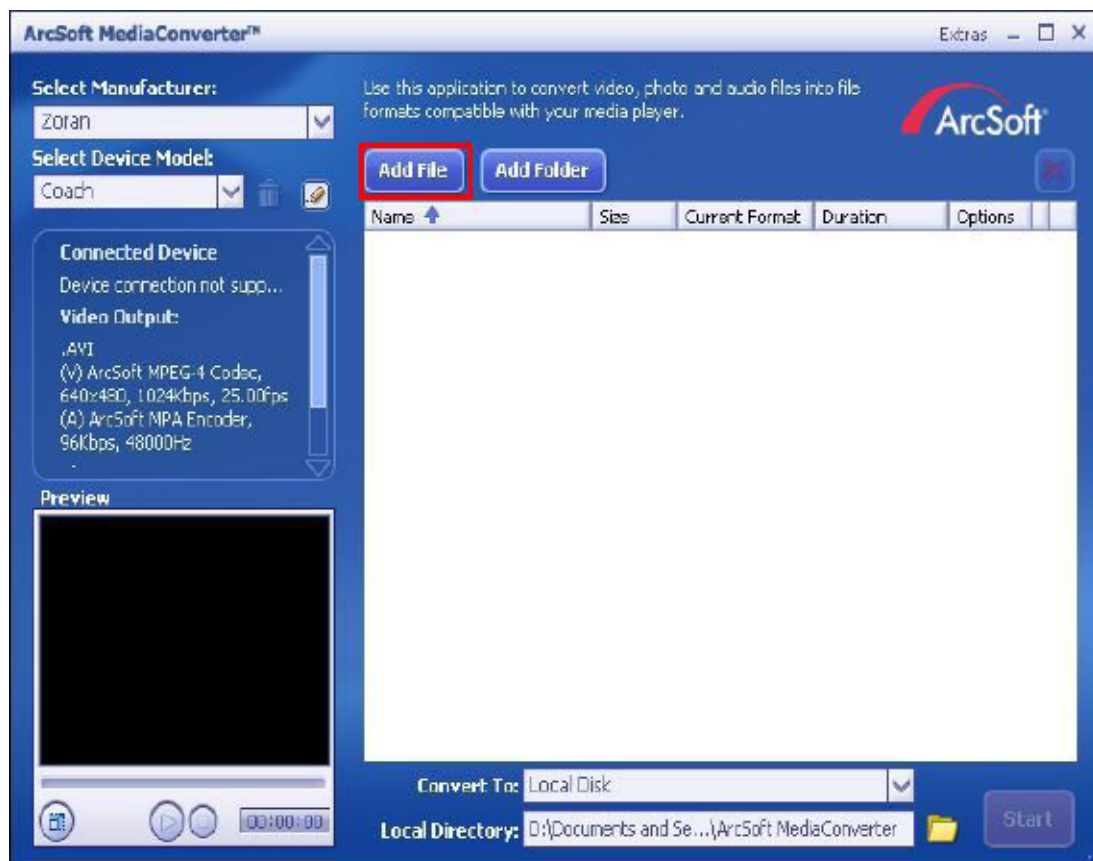
Video File Converter

Bundled software CD contains ArcSoft MediaConverter that features video file converter to convert multiple video formats into compatible format with your camcorder. In this way, you can convert various video files formats and playback your favorite movies on your camcorder.

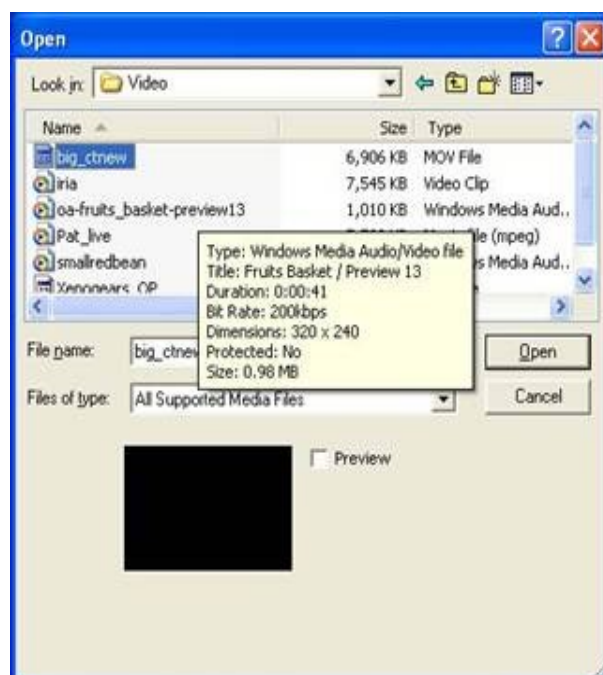
Media Converter

To convert a video file:

1. Install ArcSoft MediaConverter (Refer to section 10).
2. Click [Start] → [(All) Programs] → [ArcSoft MediaConverter] → [MediaConverter].
3. MediaConverter main Screen will appear on your desktop.
4. Click [Add File] .



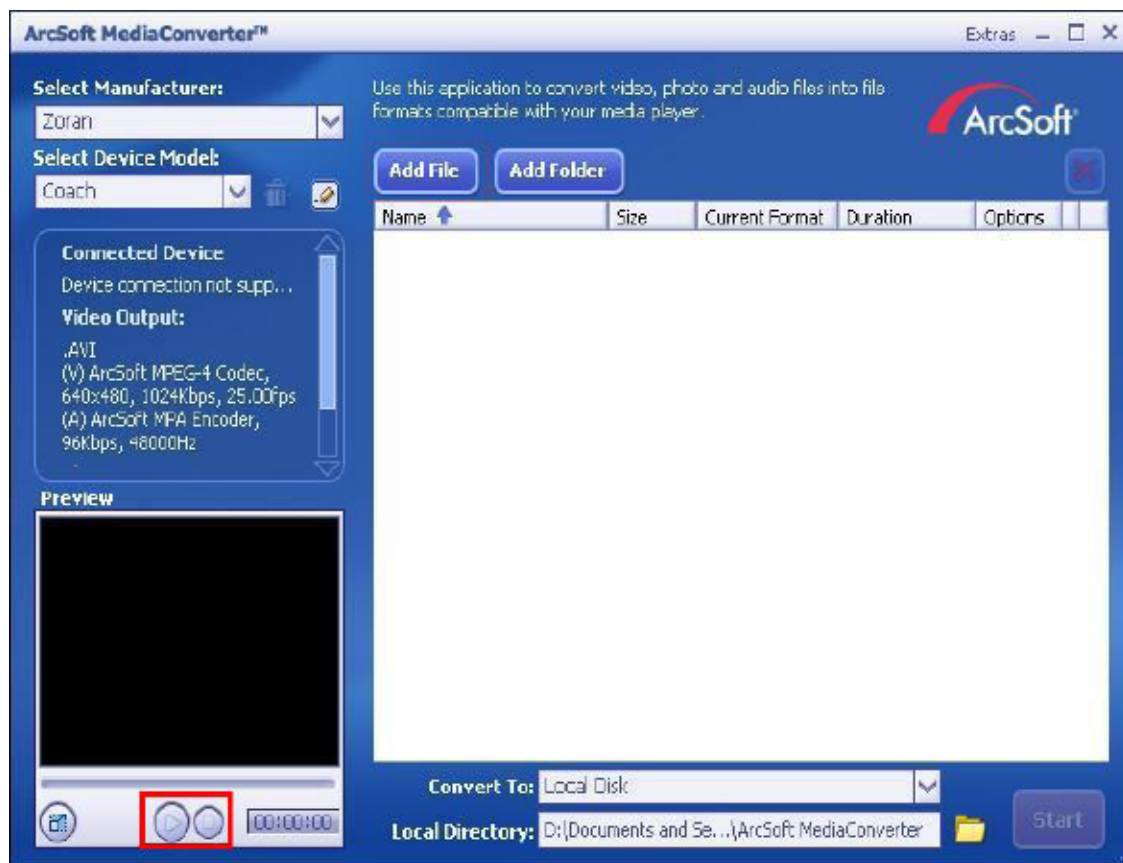
5. Select Video file you want to convert.



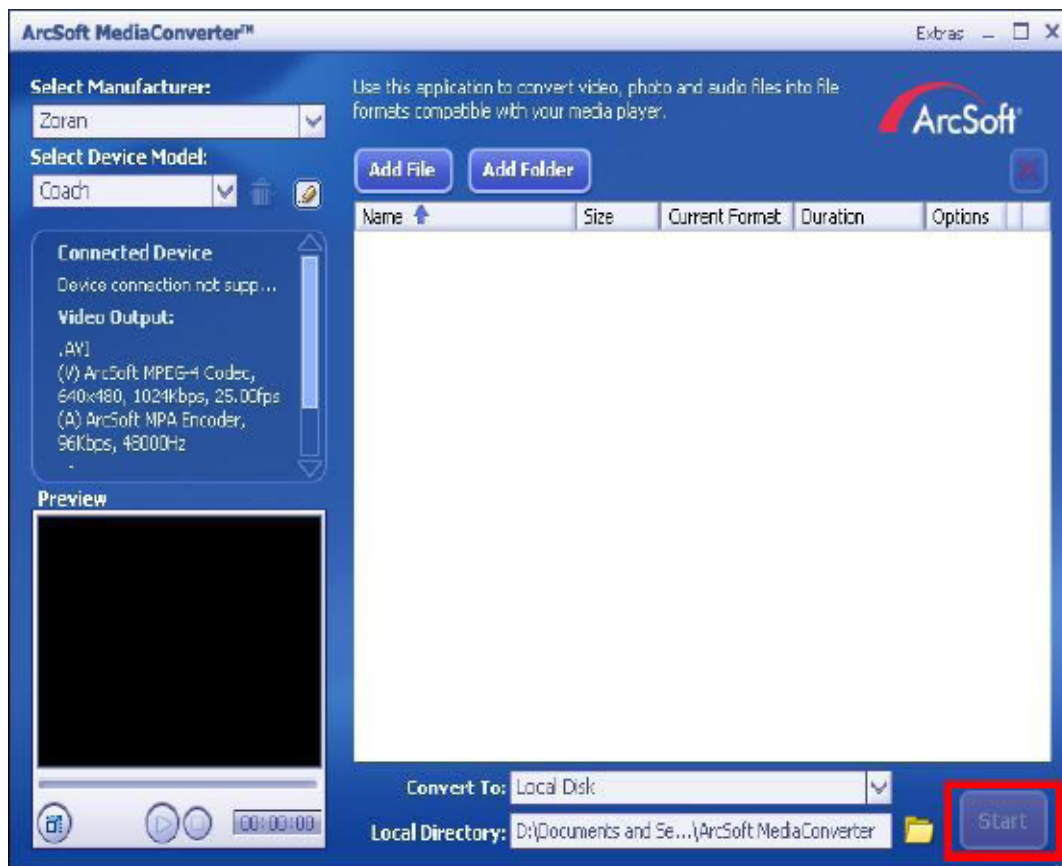
6. You can preview your media files before converting. To preview media files, use the following control functions.

- Click  to start previewing.
- Click  to stop previewing.

Make sure your media files can be previewed before converting.



7. Click on [Start] to begin converting files.



8. Task Report window will pop out after the task is completed.

9. Before transferring the converted file to your camcorder, rename the converted file to “ CLIPXXXX. avi”. (XXXX should be a four figures, eg 0001 to 9999)

10. Connect your camcorder to PC and copy the converted video to “My Computer\Removable Disk\ DCIM\200MOVIE” in your camcorder. (Under the circumstances of within SD card in the camcorder and OS of your computer is Windows XP) 💡

11. After transferring the converted video to the camcorder, press Record/Play Button to enjoy your favorite movie.



Note

“ My Computer\Removable Disk” would be different based on OS recognition.

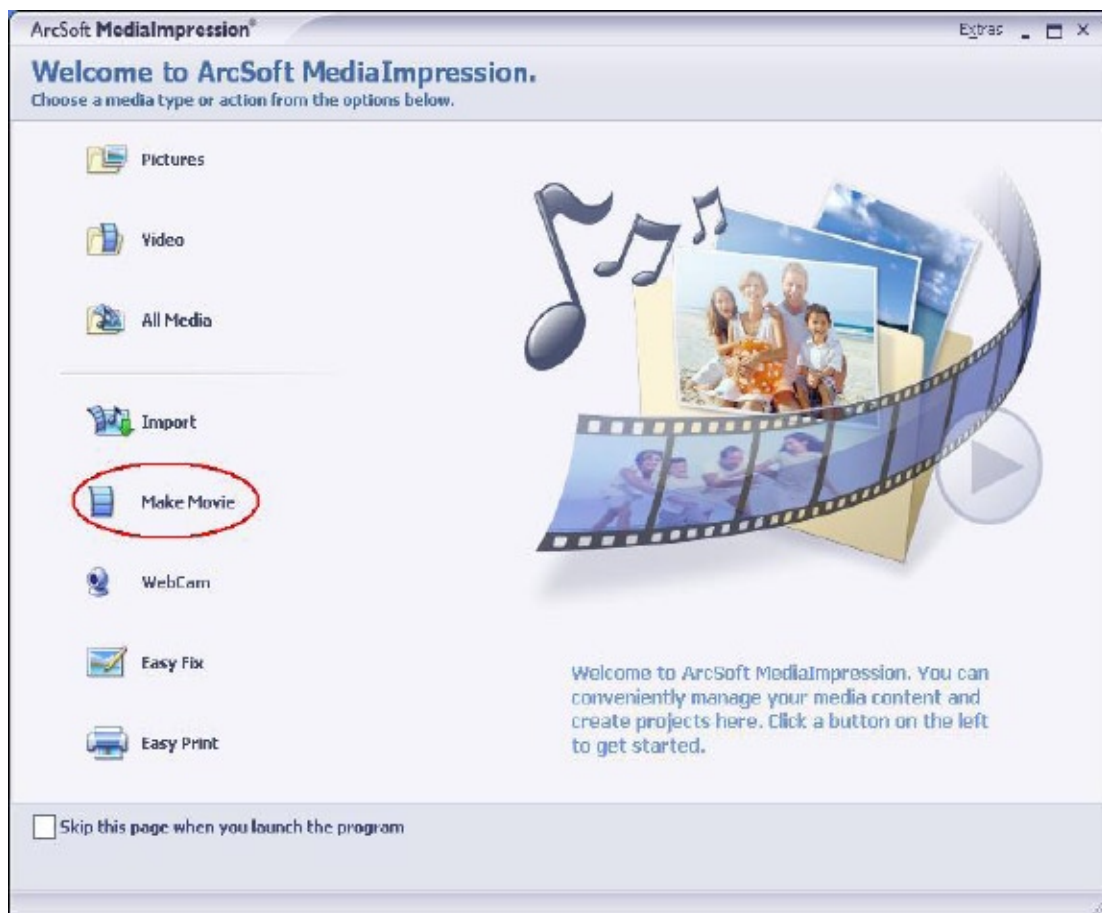
Section 8

Burning the Recorded Clip into DVD

Bundled software CD contains ArcSoft MediaImpression also features burning the movie clip into DVD. You can preserve your precious movies on DVD to share with family and friends.

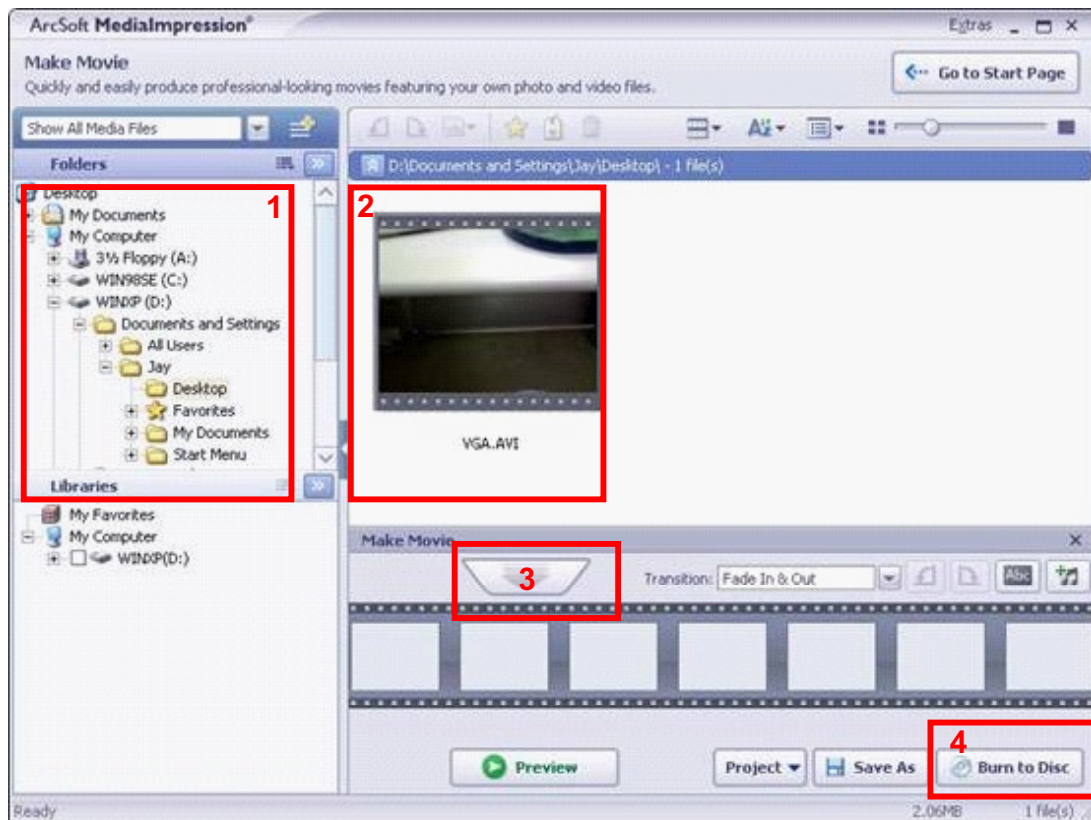
To create a DVD:

1. Install ArcSoft MediaImpression (Refer to Section 10)
2. Click [Start] → [(All) Programs] → [ArcSoft MediaImpression].
3. ArcSoft MediaImpression main Screen will appear on your desktop.
4. Click [Make Movie] .

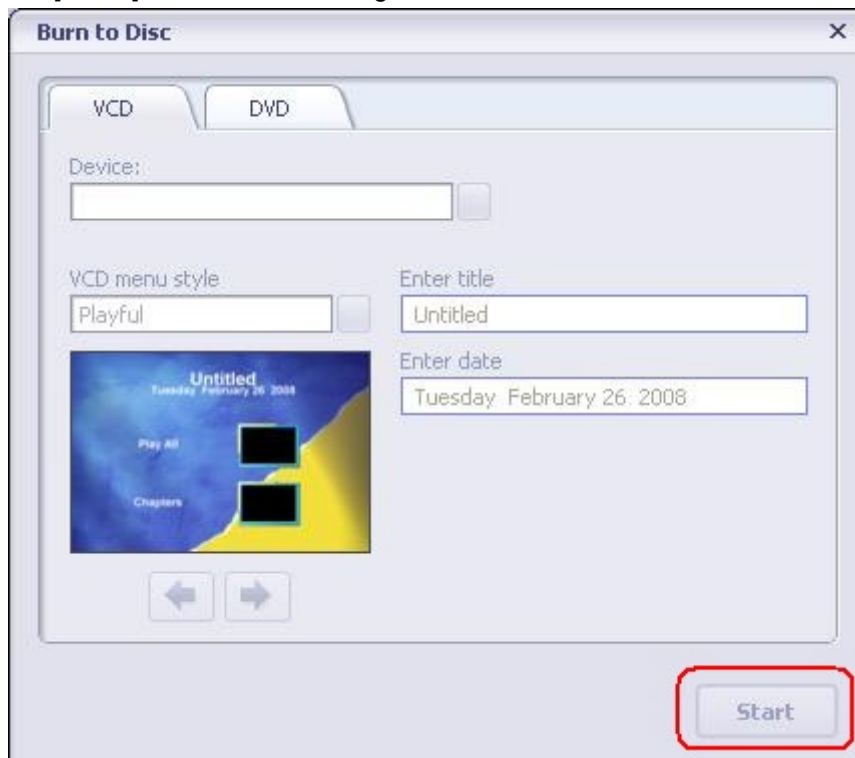


5. The operation screen will appear:

- Select the folder that contains the file(s) you want to use.
- Select the file(s)
- Click button to put the file(s) into slide
- Click [Burn to Disc]



6. Click [Start] to start DVD burning.



Section 9

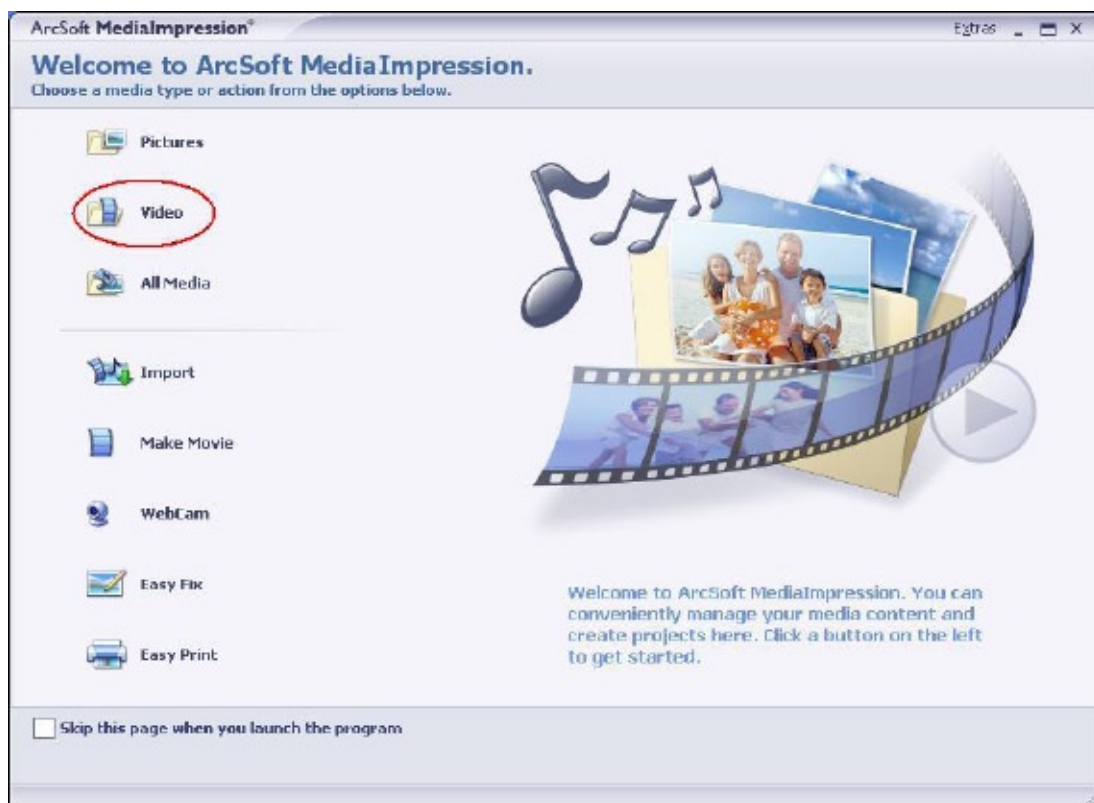
Uploading Video Files to YouTube

The bundled software CD contains **ArcSoft MediaImpression** which features uploading the recorded videos to YouTube. It will help you to share them with your family and friends on YouTube website.

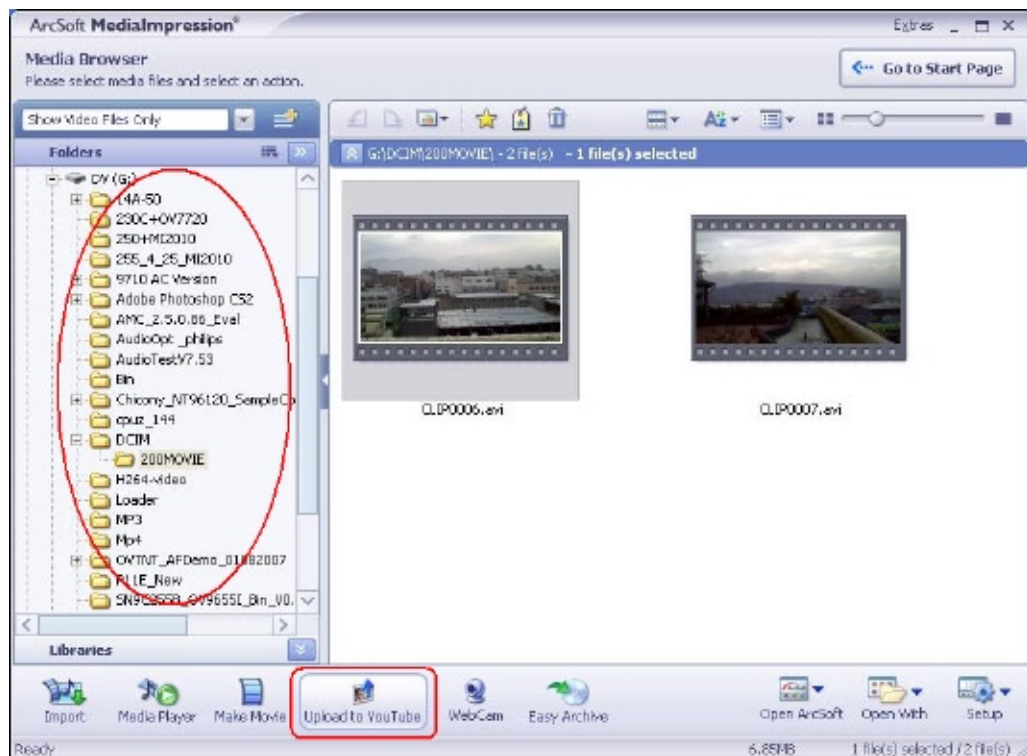
ArcSoft MediaImpression

To upload video files to YouTube:

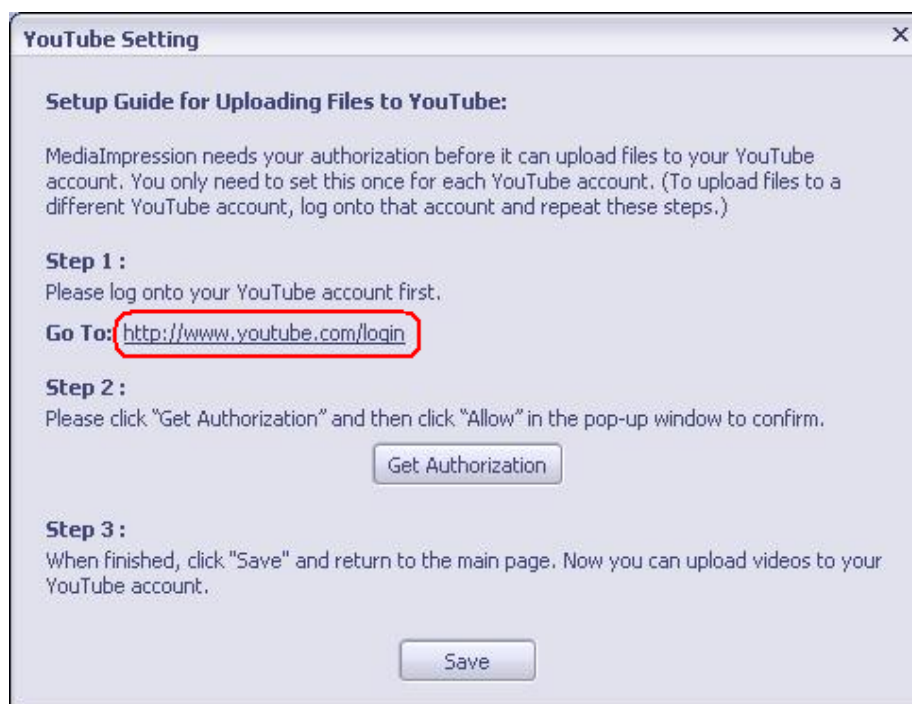
1. Install ArcSoft MediaImpression (Refer to Section 10)
2. Click [Start] → [(All) Programs] → [ArcSoft MediaImpression].
3. ArcSoft MediaImpression main Screen will appear on your desktop.
4. Click [Video] Option.



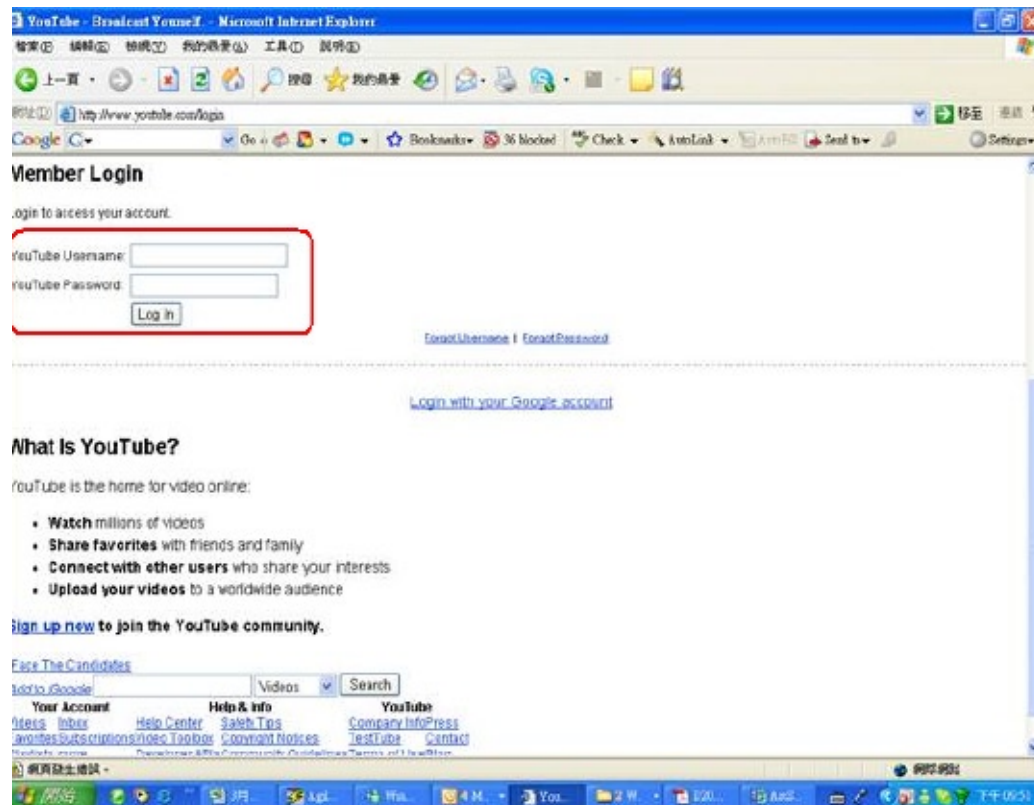
5. Select the video file you want to upload and click [Upload to YouTube] option at the bottom menu.



6. If this is your first time using of this function, please follow the instruction on YouTube Setting Panel.

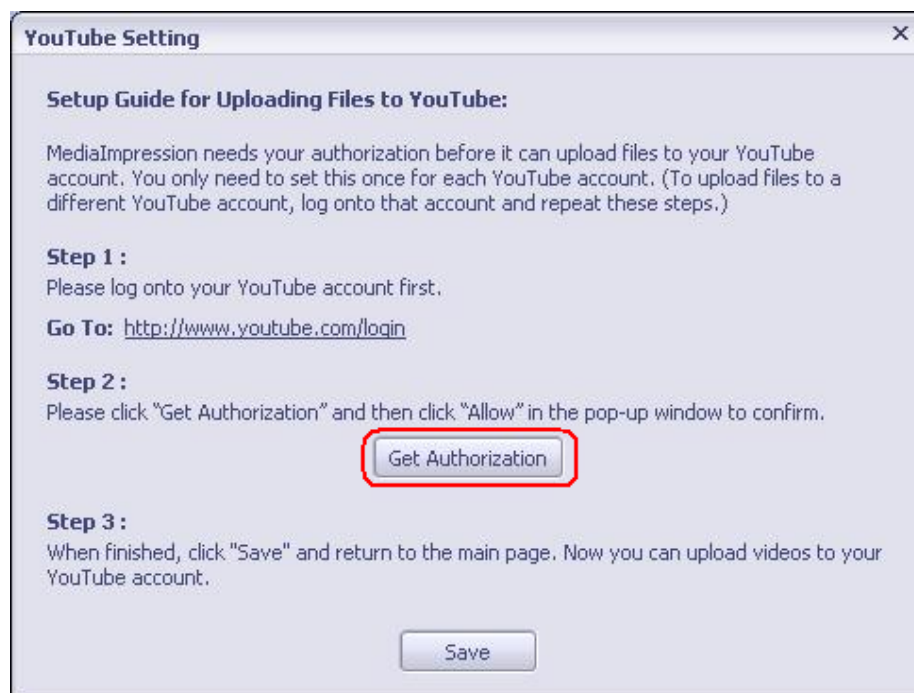


7. Go to <http://www.youtube.com/login>, then Log onto your YouTube account.

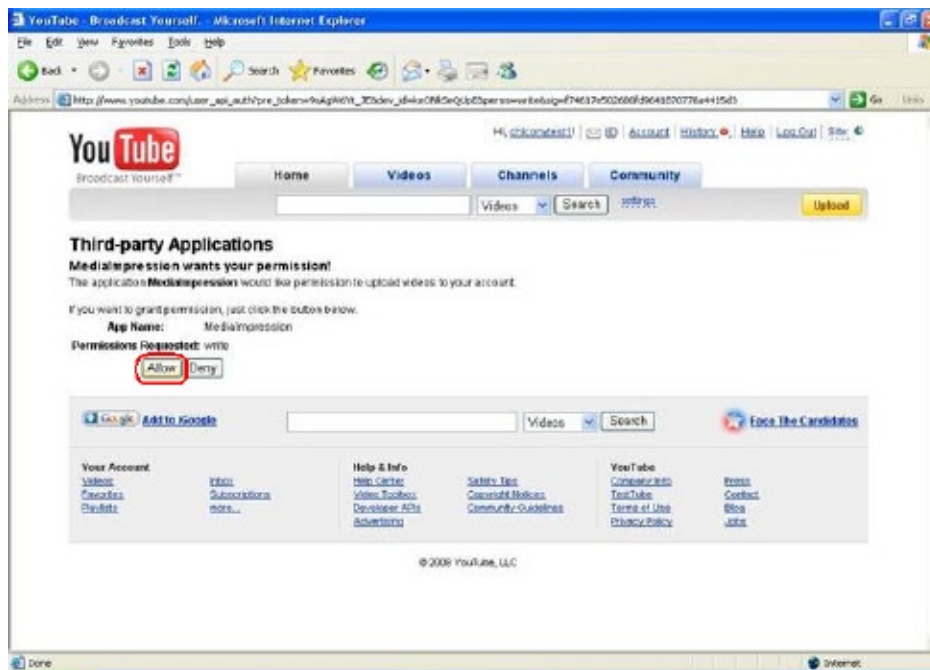


(If you do not have a YouTube account, sign up here first.)

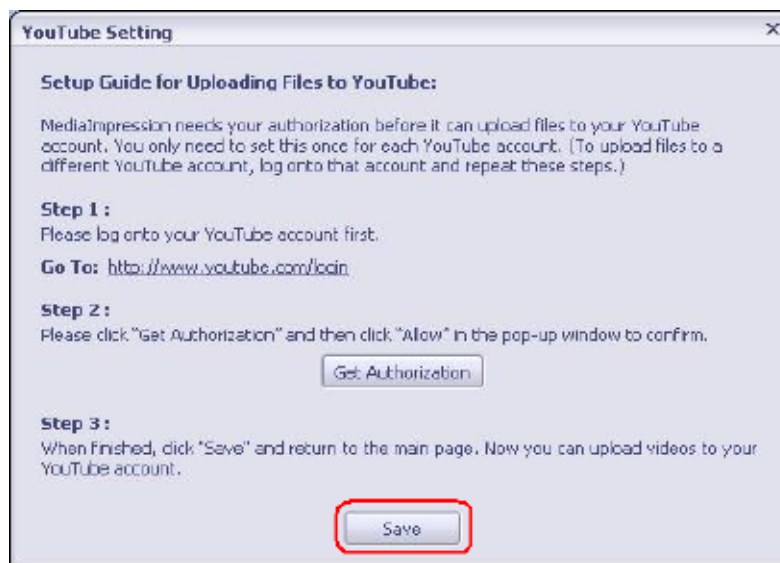
8. After you log onto your YouTube account, Click [Get Authorization] button below.



Then, Click [Allow] Button shown on YouTube website.



9. Click [Save] Button to upload the video.



Section 10

Installing Bundled Software

Installing Video Codec to view movies correctly on PC

Before connecting this camcorder to a computer for the first time, you should install Video Codec on the computer in order to view movies correctly on PC. The Video Codec is on the CD-ROM disc provided in the package.

To install Video Codec:

1. Insert the CD-ROM into the computer's CD-ROM drive. The autorun screen will appear.
2. Click "Install Video Codec". Follow the on-screen instructions to complete the installation. Depending on your operating system, you may have to restart your computer after installing it.

Installing Bundled ArcSoft Software

The CD-ROM supplied with this camcorder contains the other 2 pieces of software.

- **ArcSoft MediaConverter** can convert multiple video formats into compatible format with your camcorder.
- **ArcSoft MediaImpression** is a user-friendly application that helps you managing your media for you, and gives you funny and exciting ways to create and share projects featuring your photo and video files. Support the feature of uploading videos easily to YouTube.

The detailed information can be found in online help of all the bundled software.

To install the bundled software:

1. Insert the CD-ROM into your computer's CD-ROM drive. The autorun screen appears.
2. Select the piece(s) of software you want to install from the list, then click **Install Application Software**. Follow the on-screen instructions to complete the installation.

Section 11

Specifications

Specification	
Image Sensor	10.48 Mega Pixel CCD Sensor
Operation Modes	Movie Record, Picture Record
Lens	F3.5 - 3.7 (f = 6.8 - 34 mm)
Focus Range	Macro:1 cm ~30cm Normal:30 cm ~ infinite
Optical Zoom	5X
Shutter	Mechanical Shutter
LCD monitor	2.7" LCD
Storage Media	Built-in 64 MB Memory (partial memory is used for Firmware code); SD/MMC Card Slot
Image Resolution	High: 4608 x 3456 (16M pixels) Standard: 3648 x 2736 (10M pixels) Low: 2592 x 1944 (5M pixels)
Movie Resolution	HD: 1280 x 720, 30 fps D1: 720 x 480, 30 fps VGA: 640 x 480, 30 fps QVGA: 320 x 240, 30 fps
White Balance	Auto/Manual (Daylight, Fluorescent, Tungsten)
Exposure	± 1EV in 0.3 steps
Self-Timer	Approx. 10 second delay
Flash (for still)	Auto/ On/Off/Red Eye Reduction
File Format	Image: JPEG Movie: AVI (H.264)
Image play	Single Image/Thumbnails/Slideshow
PC Interface	Mini USB2.0
TV out	Digital: HDMI Analog: Composite Video (NTSC/PAL Selectable)
Battery	NP60 Lithium-ion Rechargeable Battery
Dimension	117 * 65 * 56 mm
Weight	314g (without battery), 340g(with battery)

Section 12

Troubleshooting

Troubleshooting

1.If the LCD image is not clear when shooting, how can the focus be adjusted?

Try to switch between Macro and Normal Mode in order to check the lens whether on the proper position or not for the object(s). (Macro Mode: For object(s) in distance of 1cm-30cm, Normal Mode: For object(s) in distance beyond 30 cm)

2.How to shoot correctly?

First properly adjust the focus, then after pressing the shutter button, the LCD shows a “funnel” marking in the center of the screen to record the image. Firmly hold your camcorder before the “funnel” marking disappears, then you can get a clear picture.

3.The flash is not working.

The camcorder is in Macro Mode.

The battery power is low.

4.When recording, the digital zoom does not function.

If the “Stabilization” function is activated when recording movies, the “Tele/Wide” button for digital zooming will be disabled.

5.The files on the memory card do not display smoothly when the LCD shows the “!” or “funnel” marking.

The “!” means the file format is not supported and the “funnel” marking indicates the file is not read smoothly. Delete these files and the others can then be played normally. It is recommended that you first format the memory card before using it and avoid placing files with different formats in the same folder.

6.Why is camera Flash not active when taking pictures?

Make sure that the focus range is NOT set at Macro mode, as flash is disabled in this mode. Scroll through Camera modes and set Flash as Auto, or Flash ON; note that Flash OFF is the default pre-set mode for normal picture -taking. In Auto mode camera flash fires ONLY when necessary (in dark setting as example).

7.Why do some of my indoor pictures look blurry and dark?

Camcorder extends pictures exposure time under low light/ indoor condition. Keep camcorder (and photographed subject) steady for several seconds when taking pictures. Shutter will sound when picture has been taken.

8.How do I charge battery?

Computer will not charge battery when connected. You must use ONLY the supplied AC charger. Camcorder must be turned OFF; blinking light confirms charging, but light is constant when charging has been completed.

Section 13

Other Information

TOSHIBA Support

Need help?

For the latest driver updates & user manuals please have a look at the TOSHIBA options & services support page:
computers.toshiba.eu/options-support

Please see computers.toshiba.eu/options-warranty for the TOSHIBA hotline numbers.

Operating Environment Conditions

Operating temperature: 5 to 35° C

Operating humidity: 20 to 80 %

(no condensation allowed)

Regulatory information

CE compliance

This product is CE marked in accordance with the requirements of the applicable EU Directives. Responsible for CE marking is Toshiba Europe GmbH, Hammfelddamm 8, 41460 Neuss, Germany. A copy of the official Declaration of Conformity can be obtained from following website: <http://epps.toshiba-teg.com>.

Working Environment

The Electromagnetic Compliance (EMC) of this product has been verified typically for this product category for a so called Residential, Commercial & Light Industry Environment. Any other working environment has not been verified by Toshiba and the use of this product in these working environments is maybe restricted or cannot be recommended. Possible consequences of the use of this product in non verified working environments can be: Disturbances of other products or of this product in the nearby surrounding area with temporarily malfunction or data loss/corruption as result. Example of non verified working environments and related advices:

Industrial environment (e.g. environments where a mains voltage of 380V three-phase is being used mainly): Danger of disturbances of this product due to possible strong electromagnetic fields especially near to big machinery or power units.

Medical environment: The compliance to the Medical Product Directive has not been verified by Toshiba, therefore this product cannot be used as a medical product without further verification. The use in usual office environments e.g. in hospitals should be no problem if there is no restriction by the responsible

administration.

This product is not certified as a medical product according to the Medical Product Directive 93/42 EEC.

Automotive environment: Please search the owner instructions of the related vehicle for advices regarding the use of this product (category).

Aviation environment: Please follow the instructions of the flight personnel regarding restrictions of use.

Additional environments not related to EMC

Outdoor use: As a typical home/office equipment this product has no special resistance against ingress of moisture and is not strong shock proofed.

Explosive atmosphere: The use of this product in such special working environment (Ex) is not allowed.

Following information is only valid for EU-member states:

Disposal of products

The crossed out wheeled dust bin symbol indicates that products must be collected and disposed of separately from household waste. Integrated batteries and accumulators can be disposed of with the product. They will be separated at the recycling centres.

The black bar indicates that the product was placed on the market after August 13, 2005.

By participating in separate collection of products and batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.

For more detailed information about the collection and recycling programmes available in your country, please visit our website (<http://eu.computers.toshiba-europe.com>) or contact your local city office or the shop where you purchased the product.



Following information is only for EU-member states:

Disposal of batteries and/or accumulators

The crossed out wheeled dust bin symbol indicates that batteries and/or accumulators must be collected and disposed of separately from household waste.

If the battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) defined in the Battery Directive (2006/66/EC), then the chemical symbols for lead (Pb), mercury (Hg) and/or cadmium (Cd) will appear below the crossed out wheeled dust bin symbol.

By participating in separate collection of batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.

For more detailed information about the collection and recycling programmes available in your country, please visit our website (<http://eu.computers.toshiba-europe.com>) or contact your local city office or the shop where you purchased the product.



Additional information

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