User's Manual

CAMILEO AIR10

TOSHIBA
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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.

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Section 1
Getting to Know Your Camcorder

Overview

◆ The camcorder with 5 Mega Pixel sensor can take H.264 videos. The H.264 technology allows for extended video recording with less memory. High quality images up to 16 mega-pixels can also be delivered smoothly. With a color LCD monitor, you can view and examine the videos and photos easily.

◆ This camcorder also features video recording at HD resolution of 1920x1080. You can also connect it to an HDTV via an HDMI cable, and easily playback the recorded high-definition videos on the wide screen HDTV.

◆ Moreover, this compact camcorder equipped with WiFi module and the exclusive uploading application make it simple and convenient for you to upload the video or photo on the social website without connecting to a computer. Even better, you can broadcast live streaming of the camcorder on USTREAM website via WiFi. Your family and friends can watch the live video streaming of the camcorder on their smart phones, tablets, or computers.

◆ The camcorder can also connect with your computer via WiFi. It can be a wireless webcam for your on-line video chatting. Through WiFi connecting, you can transfer the videos and photos to your computer, and monitor live video from your camcorder.

◆ ISO sensitivity and color balance can either be adjusted automatically or changed manually. A 5× digital zoom helps you to control over the videos and photos you take.

◆ The built-in memory allows you to take photos and to record videos without a memory card. The memory card slot allows users to increase the storage capacity.
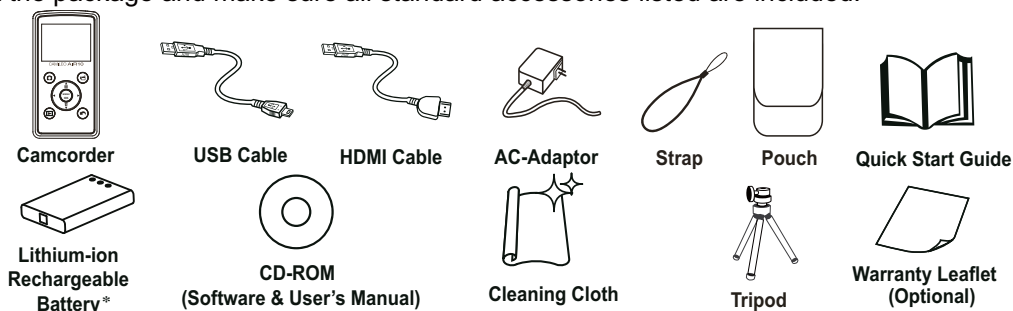
Note

- *Partial memory of the built-in memory is used for the camcorder's Firmware code.*
- *Install the bundled ArcSoft MediaImpression application for viewing the videos correctly on the computer.*
- *For the WiFi connectivity working correctly, make sure the bundled application-AIR10 Connect (for Windows® based systems only) is installed. Make sure the wireless LAN module of your computer is activated and your camera is in the same wireless network service area.*
- *Please avoid transferring the confidential files and setting your personal account information on open networks or in public areas . The data transferred via WiFi could be leaked.*

Check the Components

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

| Camcorder | USB Cable | HDMI Cable | AC-Adaptor | Strap | Pouch | Quick Start Guide |

| Lithium-ion Rechargeable Battery* | CD-ROM (Software & User's Manual) | Cleaning Cloth | Tripod | Warranty Leaflet (Optional) |

*preinstalled in camcorder device

Note

Please remove the lens protect film on lens before use.

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

OS	Microsoft Windows XP, Vista, 7
Hardware	Intel /AMD Dual-Core CPU or above
	1GB System memory and free
	2GB System hard disk space
	4x CD-ROM
	1x available USB port
	16-bit Color Display
	WiFi capability

Mac Compatibility for ArcSoft MediaImpression

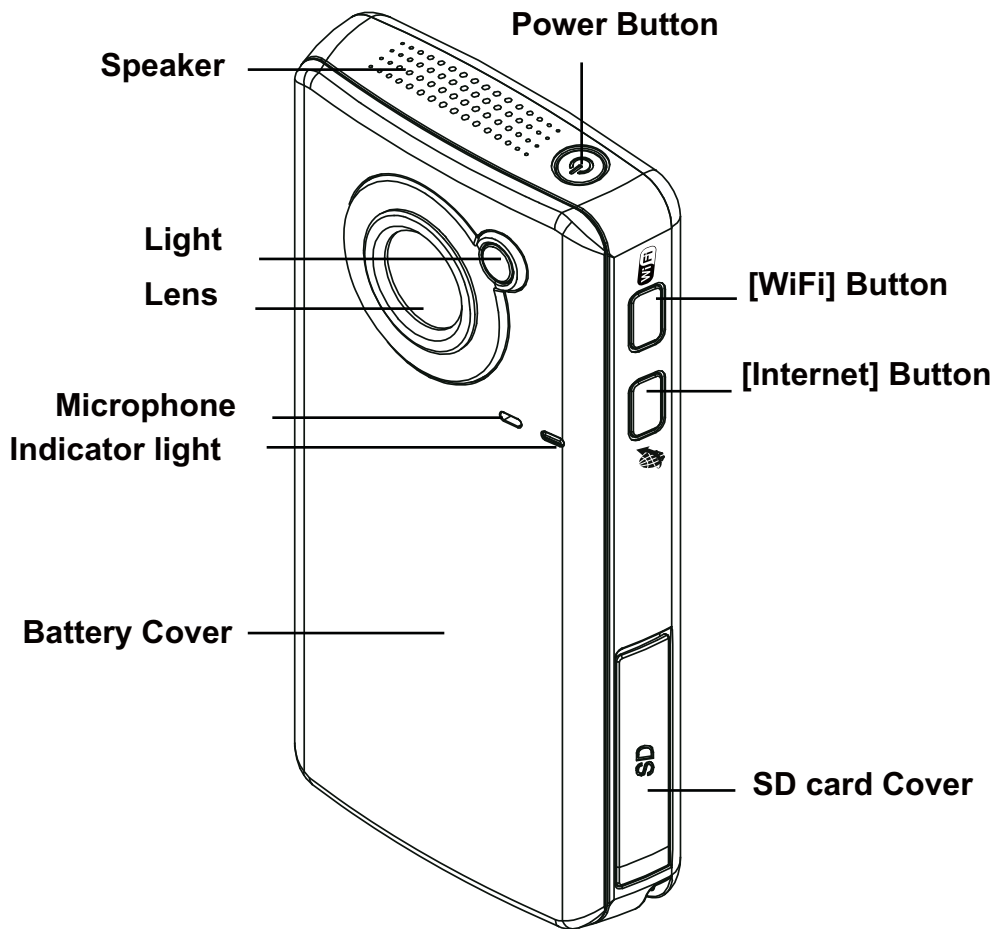| OS	Mac OS 10.5 or above
Hardware	Intel /AMD Dual-Core CPU or above
	1GB System memory and free
	2GB System hard disk space
	DVD-ROM
	1x available USB port

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.
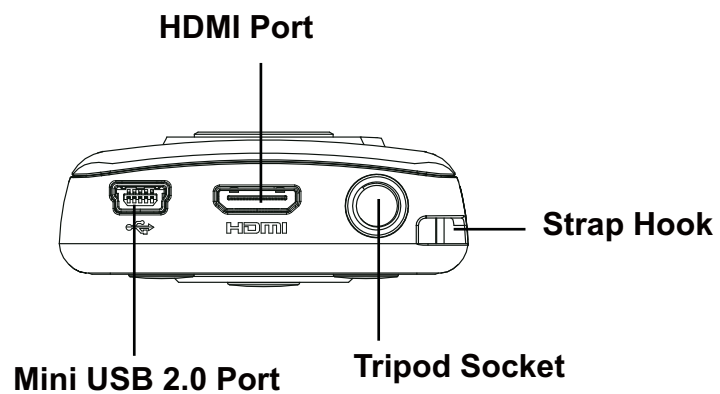
Front View

LCD Screen

[Photo] Button

[Menu/OK] Button

[Left] Button

[Playback] Button

CAMILEO AIR10

MENU
OK

[Video] Button

[Tele(Up)] Button
[Thumbnail] Button

[Right] Button

[Return/Exit] Button

[Wide(Down)] Button
[Delete] Button

Side View

Speaker

Power Button

Light

Lens

[WiFi] Button

[Internet] Button

Microphone

Indicator light

Battery Cover

SD

SD card Cover

Bottom View

HDMI Port

Strap Hook

Mini USB 2.0 Port

Tripod Socket

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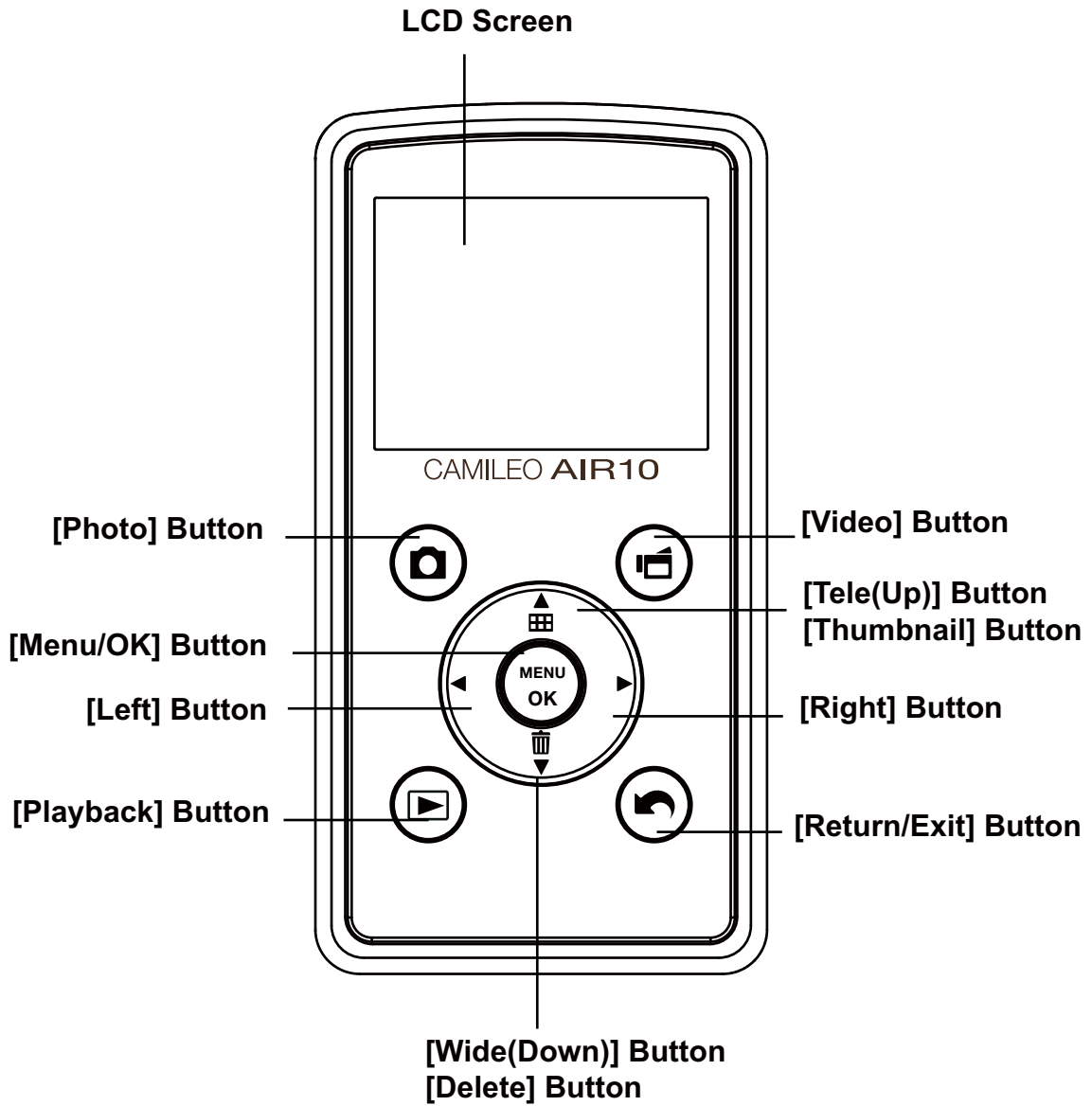
Section 2
Getting Started

Loading the Battery

Before using the camcorder, you must load the supplied Lithium-ion rechargeable battery.

1. Insert the battery according to the correct polarity marks (+ or -).

2. Close the battery cover firmly.

Note

- *Please remove the insulator on battery connection before use.*

- *Different battery types and surrounding temperatures may affect the battery performance.*

- *Never expose the battery to a heating equipment (e.g., microwave oven) and attempt to dispose of a battery by burning or by throwing it into a fire. Heat can cause the battery to explode and/or release caustic liquid, both which may possibly cause serious injury.*

- *Turn the power off and stop using the battery if you observe the condition of excessive heat on the battery.*
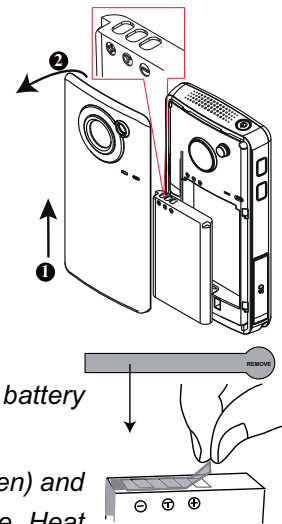
Charge your battery

You must use the supplied AC charger or the USB cable. The camcorder must be turned OFF. A blinking light will indicate active charging and a solid light indicates that charging is complete.

In AC charging Mode, the full charge time is about 4 hours and the light will turn itself off automatically after 3~5 minutes when the charging is completed. (Actual charging time may vary. It depends on the battery conditions.)

In PC USB charging mode, the full charge time is about 8.5 hours.

Note

- *Never charge the battery by a method other than as instructed. Doing so may cause a fire or explosion possibly resulting in serious injury.*

- *Use the supplied AC adapter only with the indicated power supply voltage.*

- *Use with any other power supply voltage might cause electric shock.*

- *Be sure that the power outlet you plug the adapter into is easily accessible. When you need to disconnect power from the camcorder, be sure to unplug the power cord from the electrical outlet.*

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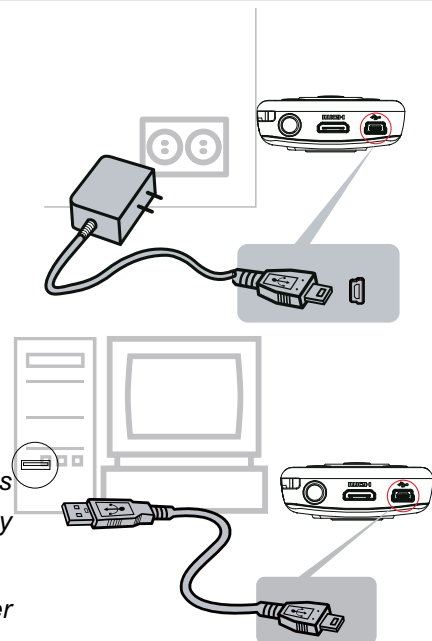
Inserting and Removing an SD Card (Optional)

The camcorder comes with an internal memory which allows you to store photos and videos. You can expand the memory capacity by using an optional SD/SDHC/SDXC memory card.

1. Insert the memory card into the slot. Please refer to the figure on the right side.
2. To remove an installed SD card, press the card inwards to release it.
3. When the card pops out, gently remove it from its slot.
4. Recommended memory capacity: 1GB or above.
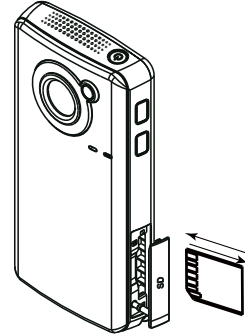
Note

- When a memory card is fitted, videos/photos are saved on the card rather than on the built-in memory.

- *Protecting Data on an SD Card: SD Card is read-only when it is locked. No photos or videos can be recorded when the SD card is locked. Make sure the lock is on the writeable position before recording any media.*

LOCK   LOCK

Writeable position   Write-Protected Position
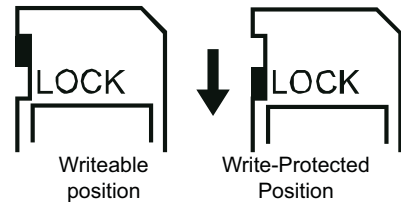
Turning the Camcorder On and Getting Started
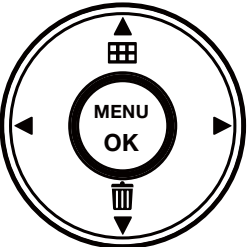
- To turn on the camcorder:

  1. Press [Power Button] for one second to turn it on.

- To record video: In Record Mode, press [Video Button] to record videos. To stop recording, press it again.

- To take a photo: In Record Mode, press [Photo Button] to take photo.

- To view stored videos and photos: Press [Playback Button] to switch to the Playback mode.

Turning the Camcorder Off

- To turn off the camcorder:

  2. Press [Power Button] for one second to turn off.

Button Function

	[Video] Button: 1. Press to take video. 2. To stop recording, press it again.
	[Photo] Button: 1.　Press to take photo.
	[Playback] Button: 1. Switch between the Record /Playback Mode.
	[Return/Exit] Button: 1. Return to the previous screen. 2. Exit.
	[Tele(Up)] Button: 1. Zoom In. 2. Move between the option items. **[Wide(Down)] Button:** 1. Zoom Out. 2. Move between the option items. **[Left] Button:** 1. Move between the option items. **[Right] Button:** 1. Move between the option items. **[Menu/OK] Button:** 1. Menu ON. 2. Validate the setting.
	Power Button: 1.　Press down for one second to turn on or turn off the camcorder.
	[WiFi] Button: 1.　Press to turn on / off WiFi.
	[Internet] Button: 1.　Press to upload video/photo to the internet via WiFi.

LCD Monitor Information

The indicators shown below may display on LCD when videos and photos are recorded:

(1)	(battery full)	Battery: full power
	(battery medium)	Battery: medium power
	(battery low)	Battery: low power
	(battery empty)	Battery: empty power
	(DC plug)	DC power mode
(2)	Video Resolution	
	FHD	FULL HD 1080/30
	HD+	HD 720/60
	HD	HD 720/30
	VGA	VGA 480/30
	Photo Resolution	
	(3 stars)	High-16MP
	(2 stars)	Standard-5MP
	(1 star)	Low-3MP
(3)	D	Digital Light On
	(bulb)	Light On

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(4)	Video Record Mode	
	🖐	Stabilization On/ Off
	Photo Record Mode	
	✊	Self-timer On/ Off
(5)	📶	WiFi signal strength
(6)	**00:03:12**	Remaining recordable time
	00:03:12 🔴	Recording time
	▽ **25**	The amount of photos that can still be taken at current resolution
	▲ **321**	Number of current photo
(7)		Motion Detection (Video Record Mode Only)
(8)		Zoom meter: 1×~5× (5× Digital zoom)

💡 ***Note***

- *Filter: Black&White / Classic / Negative can be previewed immediately without the indicator on the LCD screen.*

- *Motion Detect and Zooming functions cannot be used simultaneously.*

Video Recording

- In Video Record Mode, press [Video] Button to start recording. When a video is being recorded, a time indicator will display on the LCD monitor. To stop recording, press the [Video] Button again.
- Press the [Playback] Button to view the recorded videos.
- Four resolution settings are available:

Video Quality	
FHD	**FULL HD 1080/30:** 1920x1080p 30
HD+	**HD 720/60:** 1280x720p 60
HD	**HD 720/30:** 1280x720p 30
VGA	**VGA 480/30:** 640x480p 30

Photo Recording

- In Photo Record Mode, press the [Photo] Button to take photos.
- Press the [Playback] Button to view the photos.
- Three resolution settings are available:

Image Quality	
⭐⭐⭐	**High-16 Mega Pixels:** 4608 x 3456
⭐⭐	**Standard-5 Mega Pixels:** 2592 x 1944
⭐	**Low-3 Mega Pixels:** 2048 x 1536

Using Digital Zoom

- The digital zoom magnifies images when recording videos or taking photos.
  1. To zoom in/out, press the [Tele(Up)] / [Wide(Down)] Button.
  2. The digital zoom can be set from 1× to 5x.

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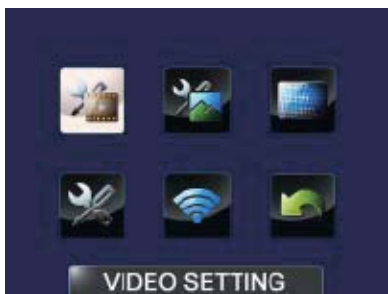
Options for Menu

Video Setting	Photo Setting	Effects	Setup*	WiFi*
• Light • Resolution • Stabilization • Motion Detect • Continuous Play	• Light • Resolution • Self-Timer • Face Tracking • Date Printing • ISO • Slideshow	• Scene • Filter • White Balance	• Menu Sound • TV • Language • Time Setting • Format • Default Setting	• Available Networks (List) • PC_Direct

* Please refer to Section 5 for the detailed information about [Setup].

* Please refer to Section 6 for the detailed information about [WiFi].

Operations

Operation	Screen
1. Press the [Menu/OK] Button in the Record Mode. The main menu will show on the screen.	
2. The options are Video Setting, Photo Setting, Effects, Setup, and WiFi. 3. Use the Direction Button to select the desired option, and then press the [OK] Button to enter the submenu. 4. Use the Direction Button to select the specific option you want to adjust and then press the [OK] Button to validate the setting. 5. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

Video Setting

Operation	Display Screen
1. Press [Menu/OK] Button in the Record Mode. The main menu will show on the screen. 2. Use the Direction Button to select the [Video Setting 📹] icon and then press the [OK] Button to enter its submenu. 3. The Video Setting menu contains 5 options-- Light, Resolution, Stabilization, Motion Detect, and Continuous Play --for you to adjust the camcorder settings.	

Light

You can select the mode to brighten the area or to extend the brightness of the objects.

	On	The light will be turned on and provides light when recording.
	Off	The light is turned off.
	Digital Light	Extend the dynamic range for backlight and high contrast sense, so that the objects will be brighter and clearer.

Operation	Display Screen
1. In the Video Setting menu, select the [Light] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

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Resolution

Four resolution settings are available.

	FULL HD 1080/30	Record videos at 1920x1080p 30 resolution.
	HD 720/60	Record videos at 1280x720p 60 resolution.
	HD 720/30	Record videos at 1280x720p 30 resolution.
	VGA 480/30	Record videos at 640x480p 30 resolution.

Operation	Display Screen
1. In the Video Setting menu, select the [Resolution] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

## Stabilization

Record with an effect of reducing the camcorder shake to result in more stable video.

Operation	Display Screen
1. In the Video Setting menu, select the [Stabilization] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

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Motion Detection

Record video automatically when the camcorder detects a movement.

Operation	Display Screen
1. In the Video Setting menu, select the [Motion Detect] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit. 4. The camcorder will begin recording automatically if movement is detected. It stops recording when movement stops.	

Continuous Play

This option allows you to playback files continuously.

Operation	Display Screen
1. In the Video Setting menu, select the [Continuous Play] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

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Photo Setting

Operation	Display Screen
1. Press [Menu/OK] Button in the Record Mode. The main menu will show on the screen. 2. Use the Direction Button to select the [Photo Setting] icon and then press the [OK] Button to enter its submenu. 3. The Photo Setting menu contains 7 options--Light, Resolution, Self-Timer, Face Tracking, Date Printing, ISO, and Slideshow--for you to adjust the camcorder settings.	

Light

You can select the mode to brighten the area or to extend the brightness of the objects.

	On	The light will be turned on and provides light when recording.
	Off	The light is turned off.
	Digital Light	Extend the dynamic range for backlight and high contrast sense, so that the objects will be brighter and clearer.

Operation	Display Screen
1. In the Photo Setting menu, select the [Light] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

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Resolution

Three resolution settings are available.

	High-16M	Shoot photo at 4608 x 3456, 16 Mega Pixels quality.
	Standard-5M	Shoot photo at 2592 x 1944, 5 Mega Pixels quality.
	Low-3M	Shoot photo at 2048 x 1536, 3 Mega Pixels quality.

Operation	Display Screen
1. In the Photo Setting menu, select the [Resolution] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

Self-Timer

The self-timer allows you to take photos with a ten-second time delay. The Indicator light on the rear of the camcorder will also blink. The speed of blinking will increase just before the photo is taken.

Operation	Display Screen
1. In the Photo Setting menu, select the [Self-Timer] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

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Face Tracking

The camcorder detects and focuses on face(s) automatically. This function works in Photo mode to capture portraits in backlit conditions.

Operation	Display Screen
1. In the Photo Setting menu, select the [Face Tracking] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	
4. In Record Mode, aim the camcorder at the face(s). The face frame(s) will appear around the face.	

Date Printing

Imprint the date and time on the photo.

Operation	Display Screen
1. In the Photo Setting menu, select the [Date Printing] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	
4. As the function is activated, the date will appear on the corner of the photo.	

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ISO

The camcorder adjusts the ISO sensitivity of its images automatically. Two manual ISO sensitivity settings are available. (800/1600). Use the higher setting to take a photo in the dark or in a poorly lit location, or for an subject moving at a high rate of speed.

	Auto	Set the ISO sensitivity automatically.
	800	ISO 800
	1600	ISO 1600

Operation	Display Screen
1. In the Photo Setting menu, select the [ISO] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

Note

The image may become grainy with a higher ISO setting.

Slideshow

Photos can be viewed one after another in a slideshow in a chosen interval of time.

	2 Seconds	Display one photo every 2 seconds
	5 Seconds	Display one photo every 5 seconds
	10 Seconds	Display one photo every 10 seconds
	OFF	Disable Slideshow

Operation	Display Screen
1. In the Photo Setting menu, select the [Slideshow] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

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Effects

Operation	Display Screen
1. Press [Menu/OK] Button in the Record Mode. The main menu will show on the screen. 2. Use the Direction Button to select the [Effects] icon and then press the [OK] Button to enter its submenu. 3. The Effects menu contains 3 options-- Scene, Filter, and White Balance --for you to adjust the camcorder settings.	

Scene

You can select the mode according to the scene condition.

	Auto	Automatic adjustment
	Skin	Shoot with an effect that makes skin tones more natural.
	Night	Use Night Mode for night scenes or low light conditions.
	Backlight	You can take shots when the bright light is behind the subject.

Operation	Display Screen
1. In the Effects menu, select the [Scene] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

Note

To avoid blurry photos, place the camcorder on a flat, steady surface, or use a tripod when taking shots in the Night Mode.

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Filter

You can select a special filter effect for videos and photos.

	Auto	Shoot without any special effect on the image.
	Black & White	The image is converted to black-and-white.
	Classic	The image is converted to a sepia look.
	Negative	The image is converted as the negative of the normal.

Operation	Display Screen
1. In the Effects menu, select the [Filter] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

White Balance

The camcorder adjusts the color balance of images automatically. Three manual white balance settings are available:
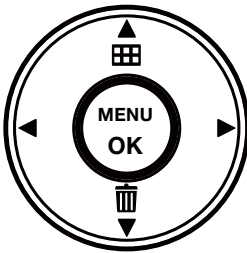
	Auto	The camcorder automatically adjusts white balance.
	Daylight	Under outdoor condition.
	Fluorescent	Under fluorescent light condition.
	Tungsten	Under tungsten light condition.

| Operation	Display Screen
1. In the Effects menu, select the [White Balance] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

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Section 4
Playback Mode

Button Function

The Buttons have the following functions in Playback Mode.

	[Video] Button: 1. In Playback Mode, press to switch to the Video Playback Mode.
	[Photo] Button: 1. In Playback Mode, press to switch to the Photo Playback Mode.
	[Playback] Button: 1. Switch between the Record /Playback Mode.
	[Return/Exit] Button: 1. Return to the previous screen. 2. Exit.
	[Tele(Up)] Button: 1. Go to the video/photo thumbnail screen. 2. When playing video, press to increase volume. **[Wide(Down)] Button:** 1. Go to the delete screen. 2. When playing video, press to decrease volume. **[Left] Button:** 1. Go to the previous video/photo. **[Right] Button:** 1. Go to the next video/ photo. **[Menu/OK] Button:** 1. In Video Playback mode, press to play/pause the video. 2. Validate the setting.
	[WiFi] Button: 1. Press to turn on / off WiFi.
	[Internet] Button: 1. Press to upload video/photo to the internet via WiFi.

LCD Monitor Information

Indicators on the LCD screen while in Playback Mode:

Video Playback Mode	Photo Playback Mode

(1)	🔋	Battery: full power
	🔋	Battery: medium power
	🔋	Battery: low power
	🔋	Battery: empty power
	⚡	DC power mode
(2)	Video Resolution	
	FHD	FULL HD 1080/30
	HD+	HD 720/60
	HD	HD 720/30
	VGA	VGA 480/30
	Photo Resolution	
	📷	High-16MP
	📷	Standard-5MP
	📷	Low-3MP
(3)	📶	WiFi signal strength

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(4)	**00:03:12**	Playback time counter
	▲ **12**	Number of current photo
	▽ **25**	Total number of photos
(5)		Volume
(6)	**2 / 2**	Current number/ Total number of videos

Operations for Playback Mode

The Playback Mode is for viewing and managing videos and photos on the built-in memory or on an SD Card.

Operation	Display Screen
1. In Video Record Mode, press the [Playback] Button to switch to the Video Playback Mode. 1. In Photo Record Mode, press the [Playback] Button to switch to the Photo Playback Mode.	
2. Press the [Tele (Up)] Button to go to the video/ photo thumbnail screen of videos and photos. 3. In the thumbnail screen of videos and photos, select the file and then press the [OK] Button to go the file. 4. Or press the [Playback] Button to exit.	

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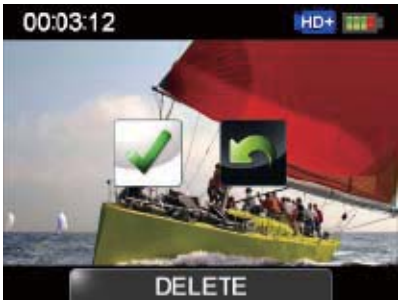
Video Playback

Operation	Display Screen
1. In the Video Playback Mode, press the [OK] Button to play or pause the video. 2. When the video is paused, press the [Down] Button to go to its delete screen. 3. Use the [Right/Left] Button to go to the next/ previous video. 4. While playing video, press the [Right/Left] Button to fast forward/rewind, then press the [OK] Button to stop. 5. Use the [Tele(Up)/Wide(Down)] Button to adjust the volume. 6. Press the [Internet] Button to select the current video to upload to Internet.	

Photo Playback

Operation	Display Screen
1. In the Photo Playback Mode, use the [Right/ Left] Button to go to the next/ previous photo. 2. Press the [OK] Button to pause the slideshow. 3. Press the [Internet] Button to select the current photo to upload to Internet.	

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Delete File in Playback Mode

Operation	Display Screen
1. In the Playback Mode, press the [Down] Button to go to the delete screen. 2. Select 🗑 to delete the current file and then select ✓ to delete it. Select ↩ to cancel and exit. 3. Select 🗑 to delete all files and select ✓ to delete them. Select ↩ to cancel and exit 4. Or press the [Return/Exit] Button to cancel the operation and exit.	00:03:12 HD+ DELETE VIDEO 00:03:12 HD+ DELETE

💡 *Note*

• *Videos and Photos on a written-protected memory card cannot be deleted.*

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Setup Menu

Operation	Display Screen
1. Press [Menu/OK] Button in the Record Mode. The main menu will show on the screen. 2. Use the Direction Button to select the [Setup] icon and then press the [OK] Button to enter its submenu. 3. The Setup menu contains 7 options for configuring your camcorder setup. They are Menu Sound (operation sound), TV, Language, Time Setting, Format, Default Setting, and Information (shows the information of this camcorder).	

Menu Sound

Enable or disable the keypad tone and the operation sound.

Operation	Display Screen
1. In the Setup menu, select the [Menu Sound] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

TV

Ensure that the appropriate TV standard of your area is selected – either NTSC or PAL. Wrong TV system setting may cause image flickers.

	NTSC(60Hz)	USA, Canada, Japan, South Korea and Taiwan, etc.
	PAL(50Hz)	UK, Europe, China, Australia, Singapore and Hong Kong, etc.

Operation	Display Screen
1. In the Setup menu, select the [TV] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

Language

Use this option to select the language of the user interface.

Operation	Display Screen
1. In the Setup menu, select the [Language] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

EN

⏰ Time Setting

Operation	Display Screen
1. In the Setup menu, select the [Time Setting] icon and then press the [OK] Button to enter its setting menu. 2. Use the [Right/Left] Button to move between Day, Month, Year, Hour and Minute. 3. Use the [Up/Down] Button to adjust the numeric value. 4. Press the [OK] Button / select the [Confirm] icon (✔) to validate the setting. 5. Or press the [Playback] Button/ select the Return icon (↩) to exit.	TIME SETTING 01 / 01 / 2011 07 : 00 pm

📼 Format

Use this option to erase all data in tthe built-in memory or the SD card.

📼	**Yes**	Format the built-in memory (When there is no SD card in the camcorder) / SD card (When there is an SD card in the camcorder).
📼	**No**	Do not format the built-in memory (When there is no SD card in the camcorder) / SD card (When there is an SD card in the camcorder).

Operation	Display Screen
1. In the Setup menu, select the [Format] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon (↩) to exit.	FORMAT ↩ YES

💡 *Note*

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

EN

 Default Setting

Use this option to restore the default factory setting.

	Yes	Restore the default factory setting.
	No	Do not restore the default factory setting.

Operation	Display Screen
1. In the Setup menu, select the [Default Setting] icon and then press the [OK] Button to enter its setting menu. 2. Select the desired option and then press the [OK] Button to validate the setting. 3. Or press the [Playback] Button/ select the Return icon ( ) to exit.	

Note

The WiFi setting, such as profile of access points and account information of the websites will be erased.

The following table indicates the camcorder's default settings

Setting	Default Factory Setting
Resolution	Full HD 1080/30 for Video Standard- 5M for Photo
Light	Off
Stabilization	On
Motion Detection	Off
Continuous Play	Off
Self-Timer	Off
Face Tracking	Off
Date Printing	Off
ISO	Auto
Slideshow	Off
Scene	Auto
Filter	Auto
White Balance	Auto
Menu Sound	On
TV	Depends on shipping area
Language	Depends on shipping area
Volume	Level 3

EN

WiFi Function

The camcorder equipped with WiFi module allows you to:
• Upload the file to the social websites.
• Broadcast live streaming on USTREAM website.
With [AIR10 Connect] application (for Windows® based systems only) on your computer, you can:
• Download the files from the camcorder to your computer.
• Watch live streaming video from the camcorder on your computer.
• Use the camcorder as a wireless webcam for online video chatting.
• Configure your account information of the social web sites.
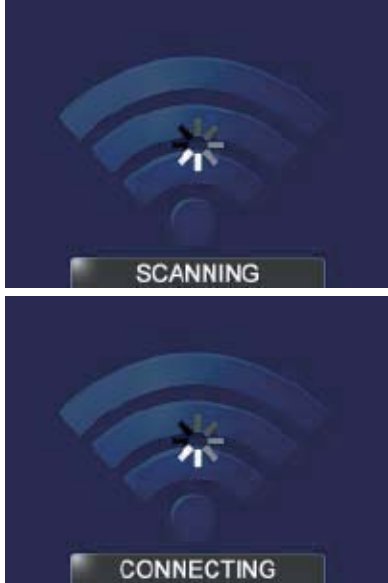
Uploading the File to the Social Web Site

Follow the step to connect to an available AP successfully.

Operation	Screen
1. Press the [WiFi] Button 📶 . The camcorder scans the available access point (AP) device and connects to it automatically. (You can also select the available access point (Network) manually by selecting [WiFi] in the Menu Mode.)	SCANNING / CONNECTING
2. If the available AP(Network) requires the password or its profile is not saved yet, the AP list shows on the screen.	★ Network 1 / Network 2 / Network 3 / Network 4 / SECURED NETWORK

Icon	Description
★	Existing Profile-the profile of the AP is saved on the camcorder.
🔑	Secured network-requires the password to access the AP.
📶	Signal strength
▼	Down cursor-indicates more than four access points are available on the next page, press the [Down] Button to go to the next page.

3. Select the AP(Network) and then press the [OK] Button.

EN

4. If the selected AP requires the password authentication, you will enter its setting screen. 5. Use the Direction Button to select the text and press the [OK] Button to confirm it. <table><tr><th>Field</th><th>Description</th></tr><tr><td>A B C D E F G H I J</td><td>Capital letters</td></tr><tr><td>a b c d e f g h i j</td><td>Lower case letters</td></tr><tr><td>0 1 2 3 4 5 6 7 8 9</td><td>Numbers, symbols</td></tr></table>	
7. When the setting is done, select the [Confirm] icon ( ) to validate the password and connect to the AP. 8. Or press the [Playback] Button/ select the Return icon ( ) to exit.	
9. The screen shown [CONNECTION OK] indicates the connection is established. 10. When the connection is established, the signal strength will show on the top of the screen.	
11. The screen shown [CONNECTION FAILED] indicates the camcorder does not connect to the AP.	
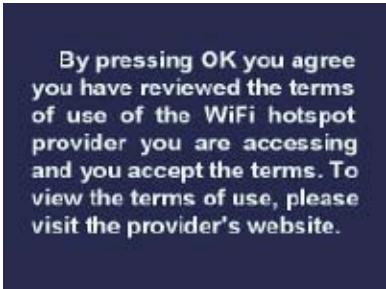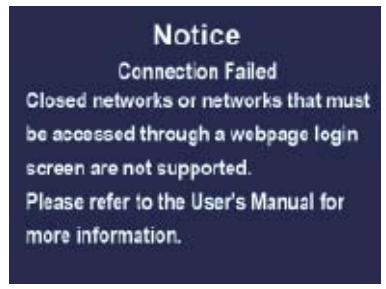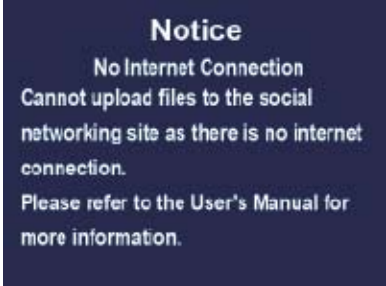
Note

- *This camcorder only supports the AP(SSID) named in English/number/symbols (ASCII characters).*
- *The possible reasons for "CONNECTION FAILED" could be (1) wrong password ; (2) you are not in the wireless network area of the AP. (3) the camcorder does not support the type of encryption used on the AP. This model only supports WEP/WPA/WPA2 personal type of encryption, but not up to enterprise level (4)your network requires PPPoE account/password information.*
- *You can only enter text in English, regardless of the OSD language.*

After the connection to AP is established, follow the steps to upload the video/photo to the social websites.

Operation	Screen
1. Press the [Internet] Button 🛜 . The camcorder automatically connects to the network.	CONNECTING REDIRECTING
2. Some network require the authentication from the network service provider (NSP). Please follow the instruction on the screen--- pressing the [OK] Button/ [Return] button; or contact with the network service provider.	By pressing OK you agree you have reviewed the terms of use of the WiFi hotspot provider you are accessing and you accept the terms. To view the terms of use, please visit the provider's website. Notice Connection Failed Closed networks or networks that must be accessed through a webpage login screen are not supported. Please refer to the User's Manual for more information.

EN

3. The screen shown [CONNECTION OK] indicates the connection is established. 4. The screen shown [CONNECTION FAILED] indicates the camcorder does not connect to the network.	**CONNECTION OK** **Notice** No Internet Connection Cannot upload files to the social networking site as there is no internet connection. Please refer to the User's Manual for more information.
5. Once the connection to the network has been established, The camcorder automatically connects to the network and launches the built-in uploading application. 6. Select the website you want to upload.* ***Before you upload the file to the social website, you have to set up your social website account information on the [AIR10 Connect] application and save to your camcorder. (please refer to next section for the detail.)**	UPLOAD YOUTUBE
7. Select the file you want to upload, and then press the [OK] Button to confirm it.	toshiba@toshiba-teq.com YOUTUBE
8. During uploading, the status bar shown as the screenshot on the right side. 9. To cancel uploading, press the [Playback] Button/ [Return] Button to go back to the previous screen.	YOUTUBE toshiba@toshiba-teq.... UPLOAD

EN

Broadcast live streaming on USTREAM

1. Follow the steps 1-6 on the pervious pages. 2. Select USTREAM on the website list screen.	
3. To cancel streaming, press the [Playback] Button/ [Return] Button to terminate streaming.	
4. The video streaming will be broadcasted on the USTREAM website. 5. People who has your account / channel name, they can visit USTREAM website and watch the live video streaming from you camcorder through their various devices, such as computers, tablets, or smart phones. (The steps to watch live streaming on USTREAM, please refer to the instruction on the USTREAM website.)	

Note

- *If you do not have a account, please sign up on the website first.*
- *Make sure you create the channel on USTREAM website for your broadcast. For detailed setup procedure, please refer to USTREAM website.*
- *Some AP routers do not allow you to connect to the network (e.g. firewall).*
- *You may be charged by the network service provider.*
- *Please stay away from any electronic equipment since the radio frequency signals may interfere connecting.*
- *The camcorder cannot connect to the network while it is connected to an HDTV via the cable, or vice versa.*
- *It may take time to scan and connect to the AP/network or to upload. The upload speed is affected by the Internet connection speed or other factors.*
- *Please be sure the battery is fully charged before connecting to the network. It may take time to upload.*

EN

- *Once the Default Setting is activated, the profile of access points and the account information of the websites will be erased.*
- *The social website update is the subject to change without notice. (e.g. password validation,*
- *create a channel) Please visit the website first to update your account setting.*
- *Some social websites may not be allowed to access in certain regions or networks.*
- *Configure through the [AIR10 Connect] application on your computer may required to enable WiFi uploading / streaming features (e.g. Select the channel for broadcasting on YouTube/ USTREAM).*
- *Please avoid transferring the confidential files and setting your personal account information on the open networks or in public areas . The data transferred via WiFi could be leaked.*
- *To prevent the camcorder from turning off accidentally, please be sure the battery is fully charged.*

Advanced Operation on Your Computer - AIR10 Connect

The camcorder can connect to your computer via WiFi or USB. Once you launch the [AIR10 Connect] application (for Windows® based systems only) on your computer, it will search for your camcorder and connect to it. Then, you can operate more functions on your computer.

There are several functions as below:

- Transfer the files from the camcorder. ( )
- Watch live streaming video from the camcorder on your computer. ( )
- Use the camcorder as a wireless webcam for online video chatting. ( )
- Configure your account information of the social web sites and save to the camcorder.( )
- Synchronize the WiFi profile with your camcorder and set up a security password for opening [AIR10 Connect] application via Wi-Fi connection.( )

Installing [AIR10 Connect]

To connect to the camcorder and launch [AIR10 Connect] application via WiFi correctly, you have to install this program firstly. It is a perfect platform for you to watch live streaming video from your camcorder and use the camcorder as a webcam for your online video chatting. The application also facility the configuration of the WiFi profiles and your social website account information.

Follow the steps below to install the [AIR10 Connect] on the computer. The program pack is bundled in the

camera and on the CD as backup.

1. Connect the camcorder to your computer by using the supplied USB cable.
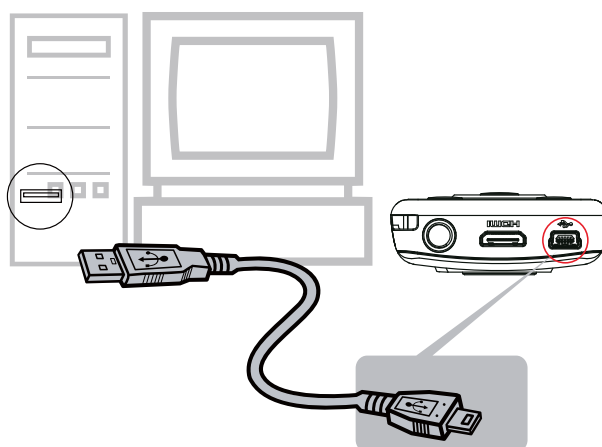
Via CD

1. Insert the bundled CD into your computer's CD-ROM drive. The autorun screen appears.
2. Click on [Install AIR10 Connect] to install the application.

3. After making a USB connection, the program installs automatically, or the AutoPlay window appears. (It may be different based on OS recognition. If the AutoPlay window does not appear. Please click [My Computer]-->[AIR10 Connect] to execute the installation of this program.

4. Follow the on-screen instructions to complete the installation.

5. The shortcut of AIR10 Connect shows on the desktop. (Or you can find the application at [Start]-->[All Program].)

6. The main screen appears automatically on the desktop.

7. When the installation is completed, you can unplug the USB cable.

Note

- *If ArcSoft MediaImpression is not installed, AIR10 Connect program will install the H.264 Codec (ffdshow-a free software under GPL license) for viewing the videos correctly.*

- *To work correctly on the video chatting, you have to log out /quit from the Instant Message (IM) application before the installation.*

- *During the installation, a warning message may pop out. Please click on [Continue Anyway]/ [Yes] to go on the installation.*

- *AIR10 Connect is for Windows® based systems only.*

EN

Using AIR10 Connect via WiFi Connection (Infrastructure Mode)

Operation	Screen
On your camcorder: 1. Press [Menu/OK] Button in the Record Mode. The main menu will show on the screen. 2. Use the Direction Button to select the [WiFi 🛜] icon and then press the [OK] Button. The screen shows the available AP list. 3. Select the available access point (Network) and connect to it. (Refer to page 36 for detailed instruction.)	VIDEO SETTING NETWORKS ☆ Network 1 Network 2 Network 3 Network 4 SECURED NETWORK
On your computer: (Make sure your computer is on the same wireless network.) 4. Double click on the AIR10 Connect shortcut on the desktop. (make sure the [AIR10 Connect] application is installed in your computer.) 5. The camcorder connects to your computer and the [AIR10 Connect] main screen displays on your computer.* *One task window may pop out to ask you to select your camcorder when there are two or more WiFi devices in the same wireless network range.	

EN

The AIR10 Connect application serves 3 options while connecting via WiFi:

Function	Description	Screen
TRANSFER	You can remote access the videos and photos stored in your camcorder. You can transfer or delete the files on your computer.	
LIVE VIDEO	Watch live streaming from your camcorder on your computer. The video resolution can be selected.	 (On the camcorder)

EN

VIDEO CHAT	Use your camcorder as a wireless webcam for online video chatting (You have to select this device as your webcam on the camera/audio setting first.)*	 (On the camcorder) (*You have to select [Virtual Camera] as your webcam and [Virtual Audio Device] as your microphone for the online video chatting.)

Note

- *ACCOUNT SETUP and WiFi SETUP are not available during WiFi connecting.*
- *For the WiFi connectivity working correctly, make sure the bundled AIR10 Connect (for Windows® based systems only) is installed and the wireless LAN module of your computer is activated.*
- *Make sure your computer connects with your access point (AP) correctly and your camcorder is in the same range of the WLAN.*
- *For the much more stable video streaming when using LIVE VIDEO or VIDEO CHAT, please make sure the WiFi signal strength shows 2 bars (   ) or above on the camcorder.*
- *To boost the WiFi signal strength, you can move the camcorder closer to your computer.*
- *If the camcorder is far from your computer or the AP device, it may take longer to connect to the network. (The signal and the radio frequency may be interfered.)*

EN

Using AIR10 Connect via USB Connection

1. Connect the camcorder to your computer by using the supplied USB cable.

2. After making a USB connection, the main screen will appear. Or please click [AIR10 Connect] shortcut on the desktop to execute the application. Or you can find it at [Start]-->[All Program].

The AIR10 Connect application serves 3 options while connecting via USB:

Function	Description	Screen
TRANSFER	You can access the videos and photos stored in your camcorder and upload files to the social websites. **Upload** 1. Select the videos/photos on the thumbnail screen. 2. Click on [Upload]. 3. The website options appears. 4. Select the website and check the Username/Email and password of the specific social website in the fields. 5. Click on [OK] to upload.	

EN

ACCOUNT SETUP	Set up your social website account information and save to your camcorder.*	
	1. Select the social website tab that you want to configure.	
	2. Enter your Username/Email and password of the specific social website in the fields. (If you ever create more than one account informations on the same computer, you can select the account in the drop-down list.)	
	3. Click on [Save] to save this account information to your camcorder.	
	4. You can delete the information by clicking on [Remove].	
	*For USTREAM setup, you may choose the channel.	
	*You MUST set up your account information of the social websites on the computer by this [AIR10 Connect] application and save to the camcorder before uploading.	

WiFi SETUP	**WiFi Profile**	
	Synchronize the WiFi profile of your computer with your camcorder.	
	1. Click on [Add to Camera] to add the WiFi profile of your computer to your camcorder.*	
	2. Click on [Up]/[Down]/[Remove] to sort the priority of the WiFi profiles on your camcorder.	
	*Make sure your computer is equipped with a wireless LAN adapter and connects with your access point (AP) correctly; otherwise the SSID field will be blank.	
	Camcorder Setting	
	Create a name for your camcorder or a security password for opening the [WiVideo] application.	
	1. Create a password in the [Password] field and type again in the [Confirm] field.	
	2. Check on [Enable Security] to enable it. Then, you will be asked to type the password before accessing [AIR10 Connect] application via WiFi connection next time.	

💡 *Note*

- *LIVE VIDEO and VIDEO CHAT are not available during USB connecting.*
- *Some social websites may not be allowed to access in certain regions or networks.*
- *Your computer must have internet access to upload files to the website.*
- *If you do not have a account, please sign up on the website first.*
- *The social website update is the subject to change without notice. (e.g. password validation, create a channel) Please visit the website first to update your account setting.*

Section 8
Viewing Photos and Videos on TV

Connecting to a High-Definition 16:9(Wide) TV

1. Connect the HDMI cable to your camcorder's HDMI Out port.

2. Connect the other end of the cable to a television.

3. Set the video input source of your TV to " HDMI."

4. The steps for viewing stored videos and photos on an HDTV are exactly the same as for viewing them on the LCD monitor.
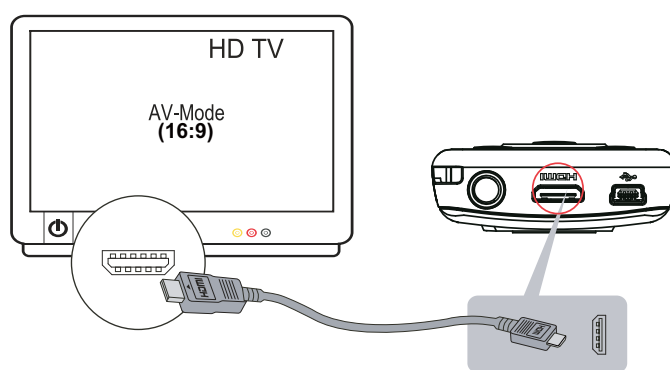
Note

The camcorder cannot run menu setting and thumbnail screen when it is connected to an HDTV.

Section 9
Viewing Photos and Videos on PC

Installing Bundled Software

Concerning the application software, the following software are bundled in the supplied CD.

The CD-ROM supplied with this camcorder contains 3 pieces of software.

• **ArcSoft MediaImpression** is a user-friendly application that helps you managing your media, playback the video, and uploading your files to the web sites easily.

• **AIR10 Connect** iis our exclusive PC application that provides a simple and friendly platform to manage the files in the camcorder, and control the interaction with your camcorder via either WiFi or USB connection. (Refer to Section 7)

• **Adobe Reader** is a popular program that you need to have installed to read the User's Manual. Many computer users will find they already have this software installed on their computer.

To install the bundled software:

1. Insert the bundled CD into your computer's CD-ROM drive. The autorun screen appears.

2. Choose the application you want to install.

3. Follow the on-screen instructions to complete the installation.

Note
  • *Detailed information can be found in the online help of ArcSoft MediaImpression.*

Transferring Photos or Videos to a Computer

You can transfer photos or videos stored on your camcorder to a computer and send them in e-mails to friends or post them on the web sites.

1. Connect the computer and camcorder with the supplied mini USB 2.0 cable. .

2. To access photos and videos on your SD card: on your computer at "My Computer\ Removable Disk\DCIM\100MEDIA."

3. To access photos and videos in the camcorder's internal memory: on your computer at "My Computer\ DV\DCIM\100MEDIA"

4. Under the folder, you can view, delete, move, or copy any video/photo you want.

Section 10
Specifications

Specification

Image sensor	5 Mega pixel CMOS sensor
Operation modes	Video record, Photo record, Video/Photo upload via WiFi, Live streaming via WiFi, Wireless Webcam
Lens	Fixed Focus (F 2.5)
Focus range	HD 720/60 & HD 720/30: 75 cm (29.5 inches) ~ infinity Photo & FULL HD 1080/30:110 cm (43.3 inches) ~ infinity
Zoom	1×~5× (5× Digital zoom)
Shutter	Electronic
LCD monitor	5.08 cm (2.0 inches) LCD
Storage media	Built-in 128MB memory (partial memory is used for firmware code); SD/SDHC/SDXC card slot support (up to 64GB)
Image resolution	HIGH – 16MP :16 Mega Pixels 4608 x 3456 (Interpolated) STANDARD – 5MP : 5 Mega Pixels 2592x1944 LOW – 3MP : 3 Mega Pixels 2048x1536
Video resolution	FULL HD 1080/30 : 1920X1080(30fps) HD 720/60 : 1280X720(60fps) HD 720/30 : 1280X720(30fps) VGA 480/30 : 640X480(30fps)
White balance	Auto/Manual (Daylight, Fluorescent, Tungsten)
ISO	Auto/800/1600
Self-timer	10 seconds delay
Light	Light ON/Light OFF/ Digital Light ON
File format	Photo: JPG Video: MP4 (H.264)
Image play	Single image/Slideshow
PC interface	Mini USB 2.0 port
TV out	HDMI
WiFi	802.11 a/b/g Wi-Fi certified
Battery	Lithium-ion rechargeable battery
Dimension	56mm (W) × 108mm (H) × 18mm (D) (2.2(W) × 4.25 (H) × 0.71 (D) inches)
Weight	83 g (without battery)

Troubleshooting

If the camcorder fails to function as expected, check the list of the common problems below.

Problem/Situation	Remediation/Solution
Cannot turn on the camcorder. The power turns off suddenly.	• Power is off. Press the [Power Button] to turn on. • Battery pack is weak or dead. Recharge the battery pack.
The files on the memory card do not display smoothly when the LCD shows the "!" marking.	• The "!" means the SD card is low speed or contains corrupted files. To solve this, format SD card using the camcorder instead of a computer. (Please refer to the detailed Format instruction in Section 5). • The card has some problems and can not be recognized. Change the card with another one. • Or please change the SD/SDHC/SDXC card to a high speed one.
Cannot take video/photo.	• Memory is full. Delete some unnecessary videos/photos or insert a new SD card. • Power is off. Press the [Power Button] to turn on.
How do I charge battery?	• You must use the supplied AC charger or the USB cable. • The camcorder must be turned OFF. • A blinking light will indicate active charging and a solid light indicates that charging is complete. • In AC charging Mode, the full charge time is about 4 hours and the light will turn itself off automatically after 3~5 minutes when the charging is completed. (Actual charging time may vary. It depends on the battery conditions.)
The camcorder is freezes.	• Try to turn off the camcorder and remove the battery. Then, insert the battery and turn on the camcorder again.
The date imprinted on the photo is incorrect	• Set the date and time in SETUP menu.
Why do some of my indoor photos look blurry and dark?	• Poor lighting. Take photo in better lighting. • The camcorder extends photo exposure time under low light/ indoor condition. Keep the camcorder (and the target subject) steady for several seconds when taking photos. • Place the camcorder on a flat and steady surface, or use a tripod when take photo.
The color of the video/photo is not natural.	• Select the proper white balance option to match the light source.

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After connecting the USB cable to the computer:	• [DV] indicates the internal memory of the camcorder. • [Removable Disk] indicates the external memory (SD/SDHC/ SDXC card installed in the camcorder). • [AIR10 Connect] indicates the bundled program. If you want to install this program, please double-click on it to start installation automatically.
The LCD shows [CONNECTION FAILED] after pressing Internet/ WiFi Button.	• The password configuration does not match to the AP you want to connect. • The AP router or the computer is not turned on. Turn the AP router or your computer on. • The camcorder is not in the wireless network service area or weak network signal. Please make sure the AP router is able to access the Internet. • The camcorder does not support the type of encryption used on the AP. This model only supports WEP/WPA/WPA2 personal type of encryption, but not up to enterprise level. • Your network requires PPPoE account/password information. • Some AP routers do not allow you to connect to the network (e.g. firewall).
The AIR10 Connect application cannot be installed.	• Check the computer system is compatible.

TOSHIBA Support

Need help?

For the latest driver updates, user's manuals & FAQ's 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: -10 to 40° C

Operating humidity: 20 to 85 %RH

(no condensation allowed)

Regulatory Information

FCC Information

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

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- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

This device is restricted to indoor use when operated in the 5.15 to 5.25 GHz frequency range.

Federal Communication Commission (FCC) Radiation Exposure Statement

This EUT is compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C.

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. where a 3-phase 380V mains 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.

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.

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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.

REACH

Following information is only valid for EU-member States:

REACH - Compliance Statement

The new European Union (EU) chemical regulation, REACH (Registration, Evaluation, Authorization and Restriction of Chemicals), entered into force on 1 June 2007.

Toshiba will meet all REACH requirements and is committed to provide our customers with information about the chemical substances in our products according to REACH regulation.

Please consult the following website www.toshiba-europe.com/computers/info/reach for information about the presence in our articles of substances included on the candidate list according to article 59(1) of Regulation (EC) No 1907/2006 („REACH") in a concentration above 0.1 % weight by weight.

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.

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.

Pb, Hg, Cd

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,

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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

TOSHIBA reserves the right to make technical changes. TOSHIBA assumes no liability for damages incurred directly or indirectly from errors, omissions or discrepancies between this product and the documentation.

About the battery pack

- Use only batteries recommended by TOSHIBA as replacements. The battery pack is lithium ion batteries, which can explode if not replaced, used, handled or disposed of properly. Dispose of the battery as required by local ordinances or regulations.
- Charge the battery pack only in an ambient temperature between 5 and 35 degrees Celsius. Otherwise, the electrolyte solution might leak, battery pack performance might deteriorate and the battery life might be shortened.
- Never install or remove the battery pack without first turning off the power and disconnecting the AC adaptor.
- Use only the product connected to an AC power source or optional TOSHIBA Battery charger to charge the battery pack. Never attempt to charge the battery pack with any other charger.

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