User's Manual

Getting Started

● Knowing your camcorder parts

Speaker

Microphone

Lens

LED lights

Flash strobe

Battery cover

Strap hook

Tripod socket

Bottom view

SD/MMC card slot
(inside the battery cover)

Mode button

Status LED (left) /
Charging LED (right)

LCD monitor

Menu button

Shutter button

Previous button/
Fast backward button

Zoom (in/out) button

Play/Pause button

Record button

Next button/
Fast forward button

Earphone/AV-out connector

Macro mode
switch

USB connector *

AV-in connector (optional) *

Flash switch

White balance switch

* inside the cover

Power button

OK key/
4:3/16:9 display
switch

LED lights switch

● Installing the battery

1. Slide the battery cover open as indicated.

2. Place the accessory Li-Ion battery into the compartment. Note that the metallic contacts must be aligned with the contacts in the compartment.

3. After the battery is properly installed, replace the battery cover.
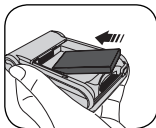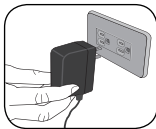

● Charging the battery

Please charge the battery at least 8 hours for first time use.

1. Connect the cable.
Connect one end of the supplied AC adapter to the USB port of the camcorder and the other end to a wall outlet.
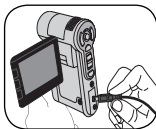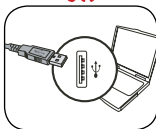
OR

Connect one end of the supplied USB cable to the USB port of the camcorder and the other end to a powered PC. Make sure the camcorder is powered off.

2. The charging LED turns red and the charge starts.

3. When the charging is interrupted or the battery pack is fully charged, the charging LED will turn green.

> ❶ When using a PC to charge the battery, do not power on the camcorder, or the charge will stop.

● Inserting a memory card (optional)

In addition to the built-in flash memory, your camera can store data on a Secure Digital (SD) card or a MultiMedia card (MMC).

To insert a memory card, do the followings:
(1) Open the battery cover.
(2) Gently push the card as indicated until the card reaches the bottom of the slot.
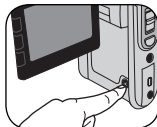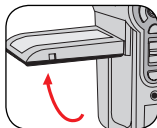
To remove the memory card, gently push the card and it will pop up. Then pull the card out of the slot.
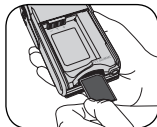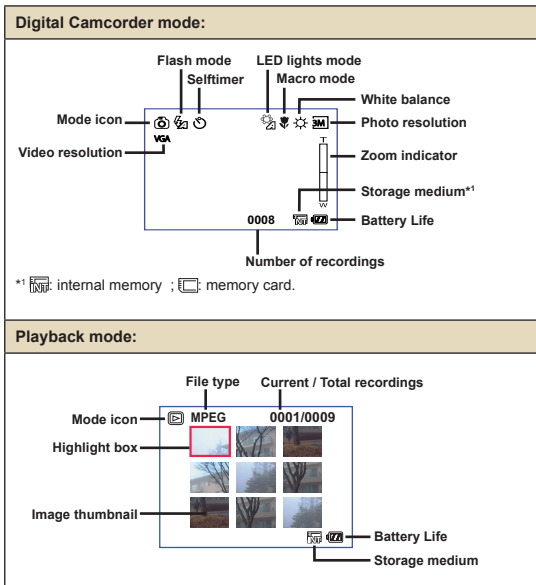
● Turning on/off your camcorder

Open the LCD monitor or press and hold down the Power button for 1 second to turn on the camcorder.

To turn off the camcorder, press and hold down the Power button for 1 ~ 3 seconds or close the LCD monitor.

❗ If the camcorder is not turned on after pressing the Power button, please check:
　1. The battery pack is well installed in the camcorder.
　2. The battery pack has enough power left.

❗ If the camcorder stays inactive for a long period of time, it may automatically shut down due to the Auto-Off setting.

● Reading LCD indicators

Digital Camcorder mode:

Flash mode
Selftimer
LED lights mode
Macro mode

Mode icon
Video resolution

White balance
Photo resolution
Zoom indicator
Storage medium*1
Battery Life

0008

Number of recordings

*1 : internal memory ; : memory card.

Playback mode:

File type **Current / Total recordings**

Mode icon — MPEG   0001/0009

Highlight box

Image thumbnail

Battery Life
Storage medium

● Setting language and time

Language:
Power-on → Press the **Mode** button → Enter the **Setting** mode → Use the **Direction** buttons to select the **Language** item and press the **OK** button to enter → Use the **Direction** buttons to select a suitable language and press the **OK** button to confirm.

Time:
Power-on → Press the **Mode** button → Enter the **Setting** mode → Use the **Direction** buttons to select the **Date&Time** item and press the **OK** button to enter → Use the **Direction** buttons to set the correct date and time, and then press the **OK** button to confirm.
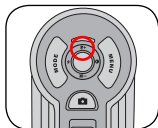
Basic Operations

● **Recording a video clip**

1. Adjust the focus:
   Normally the camcorder can auto focus without adjusting focus. If you want to take close-up pictures, you can push the Up button to switch to macro mode (🌷).

|	
-	30cm ~ ∞ (12" ~ ∞)
🌷	5cm ~ 30cm (2" ~ 12") * At 1X fixed zoom

Zoom in

2. Zooming:
   Move the Zoom button up or down to zoom in or zoom out the screen. The optical magnification is 3X and the digital magnification is 8X.

   Note: The optical zoom and digital zoom can be identified by the line in the middle of the zoom ratio bar. When maximum optical zoom is reached, you need to wait for a few seconds for the camcorder to complete auto focusing before you can use digital zoom.


Digital zoom

Optical zoom
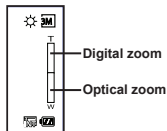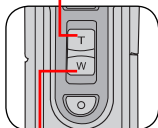
Zoom out

3. Press the Record button to start recording.

4. Press the Record button again to stop recording.

❗ The camcorder takes a few seconds on auto focusing every time you adjust the zoom ratio.

❗ The zoom function is also available during recording (except in macro mode).

❗ If the surroundings are dark, you can switch the LED lights mode to On or Auto to help focus and lighting.

❗ You can press the OK button to switch between 4:3 and 16:9 display. Note that once you change the screen display, the recorded image will change accordingly.
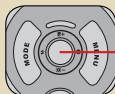
4:3/16:9 display switch

● Taking a still picture

1. Adjust the focus:
   Normally the camcorder can auto focus without adjusting focus. If you want to take close-up pictures, you can push the Up button to switch to macro mode (🌷).

|	
-	30cm ~ ∞ (12" ~ ∞)
🌷	5cm ~ 30cm (2" ~ 12") * At 1X fixed zoom

Zoom in

2. Zooming:
   Move the Zoom button up or down to zoom in or zoom out the screen. The optical magnification is 3X and the digital magnification is 8X.

Zoom out

> ❗ Adjust other advanced settings if necessary.
>
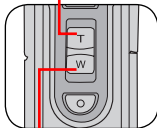> ❗ If the surroundings are dark, you can switch the LED lights mode to On or Auto to help focus and lighting.

3. Press the Shutter button half way down and hold for the camcorder to auto focus. When the focus frame turns yellow, press the button fully down to take a still picture.
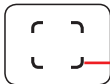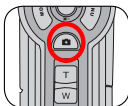

focus frame
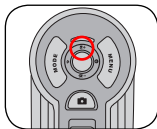
● Recording a voice clip

1. Press the Mode button and use the Direction buttons to select the Voice (🎙) mode. Then press the OK key to enter.

2. Press the Record button to start recording.

3. When you are done, press the Record button again to stop recording.

Avoid blocking the microphone

> ❗ Before or during recording, you can move the Direction buttons toward left or right to adjust microphone sensibility, thus setting the sound volume of the recording.
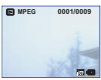
● Playing back your recordings

1. Press the Mode button and use the Direction buttons to select the Playback (🐢) mode. Then press the OK key to enter. Or press the Play/Pause button (�) below the LCD monitor.

2. Operations in playback mode:

File type	How to...	Action
Index mode Full-screen mode	Shift between index mode and full-screen mode	In index mode, press the OK key to switch to full-screen mode. In full-screen mode, press the **Menu** button to switch to index mode. (When reviewing a picture, if you move the Direction buttons down when the zoom ratio is 1.0x, the screen will switch to index mode.)
	Shift between files	1. In index mode: Use the Direction buttons to move the highlight box. 2. In full-screen mode: Use the Direction buttons to move left or right.
Picture	Zoom in/out	Use the Direction buttons to move up or down.
	Lock/Release zoom ratio	When the zoom ratio is greater than 1.0x, press the OK key.
	Browse the enlarged picture	When the zoom ratio is locked, use the Direction buttons to browse the picture.
Video & Audio	Start playing	When selected (in full-screen mode), the file automatically starts playing.
	Pause/Resume playing	During playing/While paused, press the OK key.
	Adjust the volume level	During playing, use the Direction buttons to move up or down.
	Stop playing	During playing, press the **Menu** button.
	Return to the preview screen	Press the **Shutter** button.
	Fast forward	During playing, press the **Next** (▸|) button. To stop, press the **Play/Pause** (▸) button.
	Fast backward	During playing, press the **Previous** (|◂) button. To stop, press the **Play/Pause** (▸) button.
	Select the next file	While paused/stopped, press the **Next** (▸|) button.
	Select the previous file	While paused/stopped, press the **Previous** (|◂) button.

● Connecting the camcorder to a TV

Connect your camcorder and TV via the accessory AV cable for real-time display. You can display your video clips, still pictures, and audio recordings directly on your TV, sharing them with your friends and family.
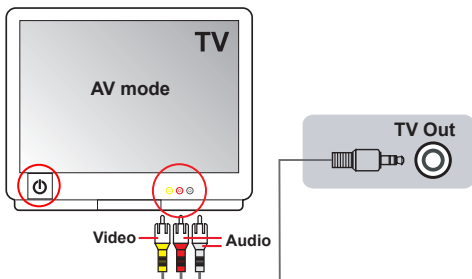
1. Turn on your TV and switch the TV to AV mode.

> ❶ The TV system is different across countries.

2. Connect the audio and video ends of the AV cable to the TV.
3. Turn on the camcorder.
4. Connect the other end of the AV cable to your camcorder.

Advanced Operations

● **Menu operation**

The menu items provide several options for you to fine-tune your camera functions. The following table gives details on menu operations.

How to...	Action
Bring up the menu	Press the **Menu** button.
Move the highlight bar	Use the Direction buttons to move up or down.
Enter sub-menu/Confirm an item	Press the **OK** key.
Exit menu/Go back to upper menu	Press the **Menu** button (when in sub-menu).

● **Menu items in Camera mode**

Power-on → Press the **Menu** button.

Item	Option		Description
Resolution	10 mega-pixel camcorder	1M	Set picture resolution to 1 mega pixels.
		3M	Set picture resolution to 3 mega pixels.
		5M	Set picture resolution to 5 mega pixels.
		10M	Set picture resolution to 10 mega pixels.
	11 mega-pixel camcorder	1M	Set picture resolution to 1 mega pixels.
		3M	Set picture resolution to 3 mega pixels.
		5M	Set picture resolution to 5 mega pixels.
		11M	Set picture resolution to 11 mega pixels.
Date Stamp	On/Off		Print a date mark on each picture when enabled.
Stabilizer	On/Off		Minimize image blur caused by hand shake when enabled.
WB	Auto ☼		The camera automatically adjusts white balance.
	Sunny ☼		This setting is suitable for outdoor recording in sunny weather.
	Cloudy ☁		This setting is suitable for recording in cloudy weather or shady environments.
	Fluorescent ⊤⊤		This setting is suitable for indoor recording with fluorescent lamp lighting, or environments with high color temperature.
	Tungsten 💡		This setting is suitable for indoor recording with incandescent lamp lighting, or environments with low color temperature.

● **Menu items in Camera mode (continued)**

Item	Option			Description
Histogram	On/Off			Enable/Disable image histogram display on the screen.
Flash	Auto			The flash automatically fires when the lighting is insufficient.
	On			The flash is forced to fire in every shot.
	Off			The flash is disabled.
Effect	Normal			Make recordings in natural color.
	B&W			Make recordings in black and white.
	Classic			Make recordings in sepia-toned color.
Exposure	-2~+2			Manually adjust the exposure to gain better effect when the preview image appears too bright or too dark. A positive value indicates the image will be brighter than usual; while a negative value makes the image dimmer.
Selftimer	On/Off			Enable/Disable the selftimer. After the selftimer is turned on, the camera will have ten seconds delay before recording when the Shutter button is pressed.
Icon	On/Off			Enable/Disable OSD (on screen display) icons to display on the screen.
Video	10 mega-pixel camcorder	VGA		Set the video resolution to VGA (640x480 pixels).
		QVGA		Set the video resolution to QVGA (320x240 pixels).
	11 mega-pixel camcorder	D1		Set the video resolution to D1 (720x480 pixels).
		VGA		Set the video resolution to VGA (640x480 pixels).
		QVGA		Set the video resolution to QVGA (320x240 pixels).
NightShot	On/Off			Enabling this setting allows you to take a photograph with a dark background. Since the shutter speed will slow down when taking photographs at a dark place, we recommend using a tripod to eliminate blurring from hand shake. **Warning: Noise increases when Night Shot is enabled.**
Photo-Frame	1 ~ 10			This setting allows you to add customsized frames to photos. 10 background frames are available on the LCD monitor.
	0			The Photo-Frame function is disabled.
Two-in-One	On/Off			This setting allows you to combine two images taken individually into one photo.

❶ When resolution is set to 10M or above, the "Photo Frame" and "Two-in-One" options, as well as the "16:9 display" function, will not be available.

Menu items in Playback mode

Power-on → Press the **Mode** button → Enter the Playback ( ) mode → Press the **Menu** button.

Item	Option	Description
🗑 Delete One	No/Yes	Delete current file.
🗑 Delete All	No/Yes	Delete all pictures and video/audio files stored in the memory.
Slide Show	-	The camera displays images in sequence. Only JPEG pictures and the first frames of MPEG files will be displayed. You can press the Menu button to stop the slide show.
Print	One	Print current image when connected to a PictBridge-ready printer.
	All	Print all images when connected to a PictBridge-ready printer.
	Cancel	Cancel action.

* If there are no files in the camera, no items will be seen.

❶ Before using the Print command in the menu, you need to connect the camera to a PictBridge compatible printer via the accessory USB cable.

Menu items in Voice mode

Power-on → Press the **Mode** button → Enter the Voice ( ) mode → Press the **Menu** button.

Item	Description
Delete One	Delete current voice recording.
Delete All	Delete all voice recordings.

● Menu items in Setting mode

Power-on → Press the **Mode** button → Enter the Setting (🔧) mode → Press the **Menu** button.

Item	Option	Description
Date & Time	-	Set date and time.
Beep	On/Off	Enable/Disable beep sound.
Flicker	50Hz	Set flicker frequency to 50Hz*.
	60Hz	Set flicker frequency to 60Hz*.
TV-out	NTSC	Set TV system compatibility to NTSC. This option is suitable for America, Taiwan, Japan, and Korea areas.
	PAL	Set TV system compatibility to PAL. This option is suitable for Germany, England, Italy, Netherlands, China, Japan, and Hong Kong.
Icon	On/Off	Enable/Disable OSD icons to display on the screen.
LCD Bright	-2~+2	Set LCD brightness. A positive value makes the LCD brighter; while a negative value makes the LCD dimmer.
Format	Yes	Format the storage medium. Note that all files stored in the medium will be gone.
	No	Cancel action.
Auto Off	Off	Disable Auto-off function.
	1 min	The camera automatically shuts down when staying inactive for over 1 minute.
	3 min	The camera automatically shuts down when staying inactive for over 3 minutes.
	5 min	The camera automatically shuts down when staying inactive for over 5 minutes.
Language	-	Lets you select the language used for OSD.
Default	Yes	Restore factory defaults. Note that your current settings will be overridden.
	No	Cancel action.

● Menu items in Setting mode (continued)

Item	Option	Description
USB Mode	Menu	When connected to a PC, the camera displays a menu for you to choose a desired connection mode.
	Disk	When connected to a PC, the camera automatically enters Disk (removable disk) mode.
	Printer	When connected to a PC, the camera automatically enters Printer mode.
Start Movie	On/Off	Enable/Disable Start Movie function.

* Flicker settings table:

Region	England	Germany	France	Italy	Spain	Netherlands	Russia
Setting	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Region	Portugal	America	Taiwan	China	Japan	Korea	Thailand
Setting	50Hz	60Hz	60Hz	50Hz	50/60Hz	60Hz	50Hz

Note: The flicker setting is based on the frequency standard of your local power supply.

● Battery Life Indicator

Icon	Description
	Full battery life
	Moderate battery life
(white)	Low battery life * If the indicator turns red, flash strobe is disabled.
	Empty battery life

Note: To avoid sudden outage of power supply, you are recommended to replace the battery when the icon indicates low battery life.

● Battery Life

Still picture	Video clip
Number of shots	Recording time (minute)
130	110
* shoot every 30 seconds ** flash is off *** resolution is set to 5M (2560x1920)	* resolution is set to VGA (640x480 pixels)

Note: This table is for your reference only. The actual battery life depends on your battery type and recharge level.

● Storage Capacity

Memory	Video (min.)			Audio (min.)
	D1	VGA	QVGA	Maximum
SD/MMC card (128MB)	12	7	40	85
SD/MMC card (256MB)	25	20	85	175
SD/MMC card (512MB)	50	40	175	350
SD/MMC card (1GB)	100	80	350	720

Memory	Still picture				
	1M	3M	5M	10M	11M
SD/MMC card (128MB)	600	250	160	80	70
SD/MMC card (256MB)	1200	500	320	160	140
SD/MMC card (512MB)	2400	1000	640	320	280
SD/MMC card (1GB)	4800	2000	1280	640	560

Note: The actual value of capacity may vary (up to ± 30%) depending on the color saturation and complexity of your subject and surroundings.

Advanced Instructions
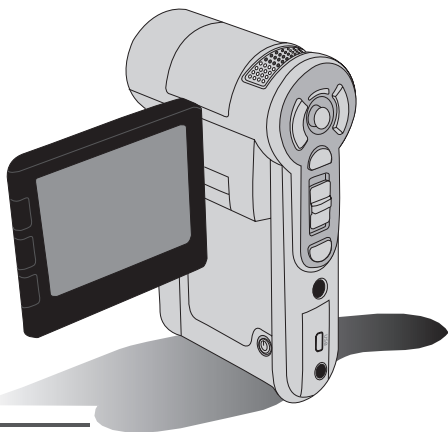
Digital Camcorder

English

Copying files to Your PC

Installing the driver to your PC

You need to install the camcorder driver to ensure that video clips can be played back on your PC. To install the software:

1. Insert the driver CD.

Turn on your computer. Then place the accessory CD into the CD-ROM drive.
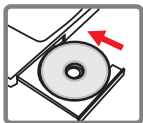
> 🔴 Do not connect the camcorder to your computer at this stage.
>
> 🔴 Shut down all other applications running on your computer.
>
> 🔴 If the autorun screen does not appear automatically, double-click on **My Computer** and then the CD-ROM drive. Then start the *Setup.exe* program manually.

2. Start the installation.

Click on the 🔴 icon to launch the installation of the driver.

> 🔴 **Notice for Windows 2000 users:**
> During the installation process, a warning message regarding digital signature may appear twice or more. Please click on **Yes** to continue the process. The software is fully compatible with Windows 2000 operation system.

3. Install the driver.

The **Install Shield Wizard** will then appear and automatically install the program. Click on **Next** and follow the on-screen instructions to complete the installation.

Copying files to Your PC (continued)

4. Install codecs.

After the driver installation is completed,
the program will prompt you to install
Windows Media Player Codecs. If you
are not sure whether the codecs have
been installed in your computer, please
click on **Yes** and follow the on-screen
instructions to complete the installation.
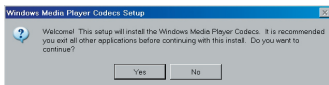
5. Install Direct X 9.0c or above.

After the codecs installation is completed, you will be prompted to install **Direct X 9.0c** or above if the program is not yet installed in your computer. Please click on **Yes** to continue.

> ⓘ *Windows Media Player Codecs* and *Direct X 9.0c* or above are necessary for viewing the video clips recorded by the camcorder.

6. Restart the computer.

After the installation is completed, you may need to restart your computer for the driver to take effect.

⏩ Connecting the camcorder to your PC

1. Turn on the camcorder.

2. Connect the USB cable to your computer.

Turn on your computer, and then connect the
accessory USB cable to the USB port of your
computer. Make sure the cable and the port are
correctly aligned.
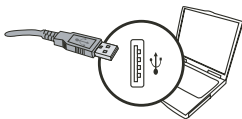
3. Connect the USB cable to your camcorder.

Connect the other end of the USB cable to your camcorder.

The default is set to "**Disk**" mode, if you would likt to set other
modes as default, please refer to "**USB Mode**" section for
more information.
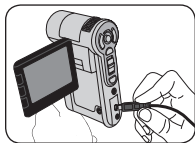
❗ USB mode:

Power-on → Press the **Mode** button → Enter the **Setting** (⚒) mode.

USB Mode	Menu	When connected to a PC, the camcorder displays a menu for you to choose a desired connection mode.
	Disk	When connected to a PC, the camcorder automatically enters Disk (removable disk) mode.

❗ Notice for Windows 2000/XP users:

If you want to disconnect the camcorder from your computer, please follow these steps:

1. Double-click 📤 in the system tray.

2. Click 📤 (USB Disk), and then click **Stop**.

3. Select the camcorder when the confirmation screen appears and click **OK**.

4. Follow the on-screen instructions to safely disconnect the camcorder from your computer.

⚡ File location

After connecting the camcorder to your computer, a removable disk will appear in your computer. The removable disk actually represents the storage medium of your camcorder. In the disk you can find all of your recordings. Refer to the figure below to see where the files are stored.

Folders
- Desktop
  - My Documents
  - My Computer
    - 3½ Floppy (A:)
    - WIN_2000 (C:)
    - Local Disk (D:)
    - Local Disk (E:)
    - V23 (F:)
    - Removable Disk (G:)
      - DCIM
        - 100MEDIA —— **For multimedia files.**
      - MP3 ——————— **For MP3 files.**
    - Control Panel
  - My Network Places
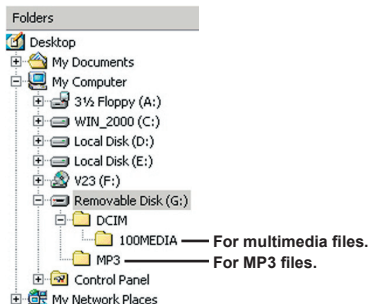
Appendix: A

⊙ Troubleshooting

When using the camcorder:		
Problem	**Cause**	**Solution**
The camcorder can not be powered on normally.	The battery is out of power.	Replace the battery.
	The battery is incorrectly installed.	Re-install the battery.
The camcorder is still powered on, but the LCD screen does not display.	If the camcorder stays idle over one minute, the LCD screen will automatically shut down to save power.	Press any button except the power button to reactivate the display.
Can not take pictures or video clips when pressing the Shutter or Record button.	Out of memory.	Free some space from the SD/MMC card or the internal memory.
	The camcorder is recharging the flash strobe.	Wait until the flash strobe is fully charged.
	Using a "protected" SD card.	Set the SD card to be writable.
The LCD screen displays "MEMORY ERROR" or "CARD ERROR" message. Or the camcorder cannot read the memory card.	The format of the memory card is not compatible with the camcorder.	Use the camcorder "Format" function to format the card.
	The memory card is corrupted.	Replace the memory card with a new one.
I did not delete the pictures and video clips, but can not find them in the memory card.	The lost recordings are saved in the internal memory.	It happens when you insert a memory card after taking a few pictures or video clips. You can access those files after removing the memory card.

Appendix: A

When using the camcorder:		
Problem	**Cause**	**Solution**
Cannot use the flash strobe.	If the battery icon indicates low battery, the flash strobe may be disabled due to insufficient voltage.	Replace the battery.
The camcorder does not respond to any action during operation.	The camcorder encounters software failure.	Remove the battery pack and replace it into the compartment. Then power on the camcorder.
The recorded pictures appear too blurred.	The focus is not correctly set.	Adjust the focus to an appropriate position.
The recorded pictures or video clips appear too dark.	The environment of shooting or recording does not have adequate light.	Use flash strobe when taking pictures. Add extra light sources or enable video light when recording video clips.
Noises occur when viewing images on the LCD screen or on the computer.	The flicker setting does not match the standard of the country you are staying.	Adjust the flicker setting. For more information, please refer to the "**Flicker Settings**" table.
I want to restart the serial number of the file name (PICTxxxx).	The counting of the serial number is handled by the camcorder firmware.	Use the camcorder "**Format**" function to format the card.
I convert a media file and name it as PICTxxxx.* (xxxx indicates number). Then I copy the file to the camcorder but cannot find it on the camcorder.	There is another file with duplicate serial number (e.g. PICT0001.ASF and PICT0001.JPG), or the file type is not supported.	Give the file a distinctive serial number and make sure the file type is supported by the camcorder.

Appendix: A

When connecting the camcorder to the computer or TV:		
Problem	**Cause**	**Solution**
I cannot view the video clips on my computer.	Driver or software is not installed on the computer.	Install *Direct X 9.0c* or above and *Windows Media 9.0 Codecs* to solve this problem. See "**Installing the driver to your PC**" for details on installing the software, or go to http://www.microsoft.com to download the required files.
Driver installation failed.	The installation is terminated abnormally.	Remove the driver and other related programs. Follow the installation steps in the manual to re-install the driver.
	The camcorder has been connected to the PC via the USB cable before installing the driver.	Install the driver before plugging in the USB cable.
The TV screen does not display after connecting the camcorder to the TV.	The camcorder is not correctly connected to the TV.	Reconnect the camcorder to TV correctly.
A conflict with other installed camcorder or capture device occurred.	The device is not compatible with the camcorder.	If you have any other camcorder or capture device installed in your computer, please completely remove the camcorder and its driver from the computer to avoid the conflict.

Appendix: A

⟩ System Message

Message	Description
Recording	The camcorder is recording a file.
Please Unlock SD Card	If you insert a SD card and the card is set to "Protected", this message will show up when the camcorder tries to write data into the card.
No File	When the camcorder is set to Playback mode without any existing file to play, this message will show up.
Please Change Battery	The battery life of the camcorder is low. You should replace the battery with a new one immediately.
Memory Full	The storage memory is full and can not store any more files. Please change the SD/MMC card or delete some files to free some memory space.
Card Error	The inserted card is not compatible with the camcorder. Please change the card or try formatting the card.
Memory Error	The camcorder can not access data in the internal memory. Please format the medium to solve this problem.
Strobe Is Charging	The flash strobe is charging.
File Format Error	The file being played is not compatible with the camcorder.
Deleting	The camcorder is performing file deletion.
Formatting	The camcorder is formatting the storage medium.
Setting	The camcorder is performing a setting action.

Appendix: B

⊙ Instruction for ArcSoft MediaConverter™

Introduction

ArcSoft MediaConverter is a powerful all-in-one multimedia file converter. This utility quickly and effortlessly converts photo, video, and music files into formats optimized for use on your portable device. Multiple files and file types can be converted at the same time. It's easy! Three simple steps are all it takes. (Please refer to "**Converted files**" section for more information.)

System requirements

To install and run the MediaConverter, your system must meet the following minimum requirements:

- ◘ Microsoft Windows 2000/XP (Home or Professional)
- ◘ 50 MB free hard drive space
- ◘ 256 MB RAM
- ◘ DirectX 9 (DirectX 9c recommended)
- ◘ Microsoft Windows Media Player 9.0 (for converting WMA and WMV files)
- ◘ Microsoft Windows 2000/XP (Home or Professional)
- ◘ Apple QuickTime 6.5 (for converting MOV files)

Appendix: B

<u>Supported file formats</u>

◘ Video
Video files are converted and copied to the selected location as MPEG-4 encoded AVI files, WMV files or MPEG-4 encoded ASF files (Default).

◘ Supported file types for conversion
- AVI (Microsoft Video 1 format, Cinepak, Intel Indeo, uncompressed, etc.)
- MPEG-1 in MPEG, MPG, MPE
- DAT (VCD MPEG1)
- MPEG-4 in AVI format
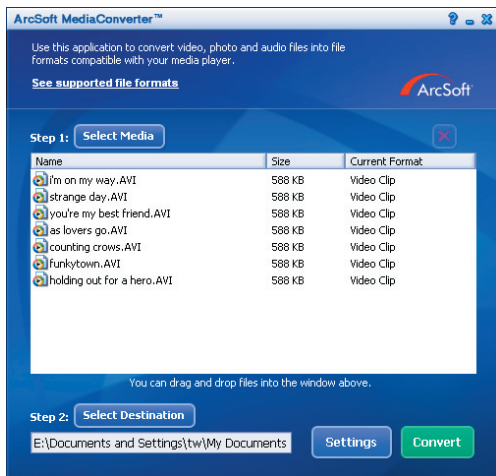- MPEG-4 in ASF
- WMV
- QuickTime MOV

QuickTime 6.5 and Windows Media Player 9.0 or above are required for QuickTime MOV and WMV file conversion, respectively.

◘ Supported file types for export
- AVI (MPEG-4 SP)
- WMV
- ASF(MPEG-4 SP)
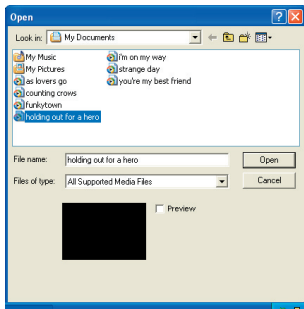
Appendix: B

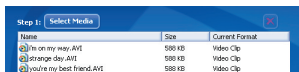## Converted files

Appendix: B

Step 1: Select media

◪ Adding files for conversion

  1 Click the "Select Media" button.

  2 An "Open" window will appear. Navigate to the folder that contains the files you'd like to convert.

     a. Use the "Files of type" pull-down to filter the file types you'd like to display.

     b. Preview highlighted files to be sure that they're the ones you want.
       Check the "AutoPlay" box to start the playback automatically after you click a file.

  3 Repeat steps 1 and 2 above until all the files you want are added. In addition to using the above method, you can also drag-and-drop files directly to the file list in the program window.


◪ Removing files

To delete a file from the list, highlight it and click the "X" icon.

Appendix: B

Step 2: Select destination

Click the "Select Destination" button to select the location where your converted files will be saved. The default save location is "C:\Documents and Settings\ [current user]\My documents". However, you'll most likely want to save the files to your portable device. In this case, make sure your device is connected, and then click "Select Destination" and choose the device.
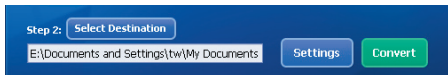
◘ Settings

Various program settings can be accessed by clicking the "Settings" button. Each section lets you select one of two settings: "Optimize for the selected device," and "Use custom conversion settings."
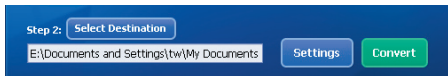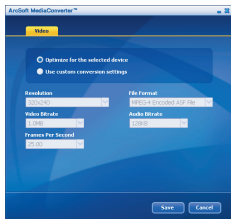

◘ Optimize for the selected device

This is the default setting. The program will automatically set the conversion parameters according to your selected device.

◘ Use custom conversion settings

If you decide to use this option, you can set the various conversion parameters manually.

Appendix: B

◘ Video settings

When converting a video file, there are several different parameters:

- **Resolution** (Options include QVGA (320 x 240) [default] and VGA (640 x 480))

- **File Format** (MPEG-4 encoded AVI files, WMV files or MPEG-4 encoded ASF files)

- **Video Bitrate** (Options include 500KB, 1.0MB, 1.5MB, 2.0 MB [default], 2.5 MB, and 3.0 MB)

- **Audio Bitrate** (Options include 96 KB, 128 KB [default], 192 KB)

- **Frame Per Second** (Options include [in fps] 15.00, 20.00, 24.00, 25.00 [default], and 29.97)

Selecting "Optimize for the selected device" uses the default values above, where applicable.

After viewing/modifying the various settings, select either "Save" or "Cancel" to return to the main screen. Click "Save" if you'd made changes that you'd like to keep. Otherwise, click "Cancel."

Step 3: Convert

When you're ready, select (highlight) the files you'd like to convert from the list, and then click the "Convert" button.
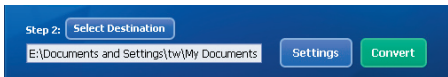
A progress bar will display the current status. Various popups may appear asking for specific confirmation. A popup will appear and inform you once all the files have been converted and stored to the location you selected.

Appendix: B

Playing the converted ASF files in your camcorder

To play the video clips or movies (MPEG-4 in ASF format only) converted by ArcSoft MediaConverter in your MPEG-4 digital camcorder, please follow the steps below.

Step 1

Insert a SD/MMC card in the card slot of the camcorder and connect the camcorder to PC via the USB cable. You could follow the instructions of "**Connecting the camcorder to your PC**" for more information.

Step 2

Save the ASF files converted by MediaConverter on PC to your camcorder.
1   Copy the converted ASF files.
2   Open Windows Explorer to find a "Removable Disk" appeared in My Computer.
3   Double-click on the icon of Removable Disk.
4   Double-click on the DCIM file folder.
5   Double-click on the 100MEDIA file folder.
6   Paste the files into 100MEDIA file folder.
7   Change the file names to CLIP****.ASF.
      **** could be any 4-digit number from 0001 to 9999.

> ❶ The file name must follow the naming principle of your camcorder, so that the camcorder could identify the files saved on 100MEDIA.

Step 3

Now you can use the Playback (🎞) mode to enjoy the video clips or movies on the large LCD monitor!

The ArcSoft MediaConverter in this package is a customized version for your digital camcorder. You may visit the website http:\\www.arcsoft.com for more product information.

Appendix: C

⊙ System Requirements

Operating System: Windows 2000/XP
Macintosh Support: File Upload Only
CPU: Pentium 4, 1.5GHz or above
System RAM: 256MB or above (512MB recommended)
Graphic Card: 64MB, 24 bit true color
CD-ROM speed: 4x or above
Software: Direct X 9.0c or above
Other: USB connector