

VideOh! DVD Media Center
PCI Edition
AVC-2410

User's Guide

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For support via e-mail, submit your question to Adaptec's Technical Support Specialists at ask-de.adaptec.com.

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691 South Milpitas Boulevard
Milpitas, California 95035

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Federal Communications Commission Radio Frequency Interference Statement

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. However, if this equipment does cause interference to radio or television equipment 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 equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.
- Use a shielded and properly grounded I/O cable and power cable to ensure compliance of this unit to the specified limits of the rules.

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.



European Union Compliance Statement

This Information Technology Equipment has been tested and found to comply with EMC Directive 89/336/EEC, as amended by 92/31/EEC and 93/68/EEC, in accordance with:

- EN55022 (1998) Emissions
- EN55024 (1998) Immunity:
 - EN61000-4-2 (1998) Electrostatic discharge: ± 4 kV contact, ± 8 kV air
 - EN61000-4-3 (1998) Radiated immunity
 - EN61000-4-4 (1995) Electrical fast transients/burst: ± 1 kV AC, ± 0.5 kV I/O
 - EN61000-4-5 (1995) Surges ± 1 kV differential mode, ± 2 kV common mode
 - EN61000-4-6 (1996) Conducted immunity: 3 V
 - EN61000-4-11 (1994) Supply dips and variation: 30% and 100%

In addition, all equipment requiring U.L. listing has been found to comply with EMC Directive 73/23/EEC as amended by 93/68/EEC in accordance with EN60950 with amendments A1, A2, A3, A4, A11.



Australian/New Zealand Compliance Statement

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to the Australian/New Zealand standard AS/NZS 3548 set out by the Spectrum Management Agency.



Canadian Compliance Statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.



Japanese Compliance (Voluntary Control Council Initiative)

This equipment complies to class B Information Technology equipment based on VCCI (Voluntary Control Council for Interface). This equipment is designed for home use but it may causes radio frequency interference problem if used too near to a television or radio. Please handle it correctly per this documentation.

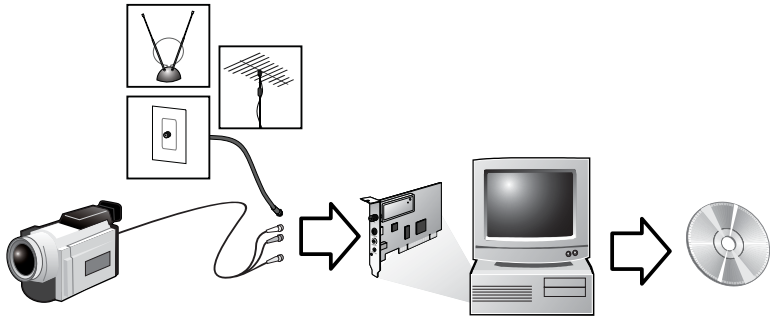
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Introduction

Congratulations on the purchase of your Adaptec VideOh! Media Center kit. With this kit, you can watch television (TV) on your computer, and convert television programs and analog video from your camcorder or VCR into digital format to create you own Hollywood style video CDs (VCDs) or DVDs.



Connect TV source or analog video device

This VideOh! kit includes a complete suite of software that will enable you to watch TV on your computer, control television content with the latest personal video recorder (PVR) technology, and burn television programs to VCDs or DVDs.

VideOh! Media Center lets you be creative. You can add backgrounds and menus to your videos for easy navigation. With VideOh! Media Center you can also perform even more sophisticated editing, like adding music, transitions, and titles.

VideOh! Media Center also lets you capture you favorite video clips and organize and customize them to suit your imagination. Then you are ready to burn a VCD or DVD and share your personalized content with others.

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What's in the Kit

Your Adaptec VideOh! Media Center kit includes:

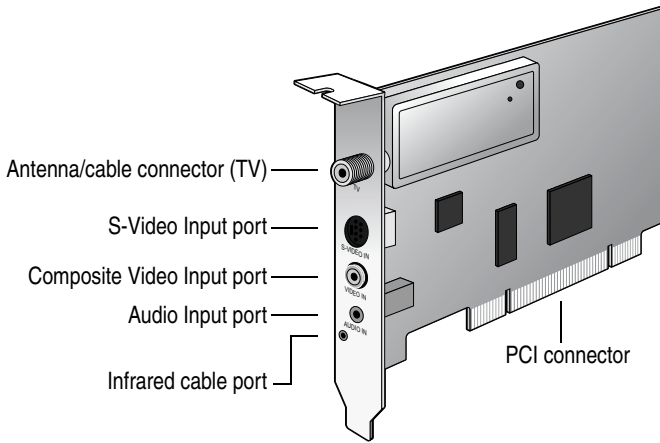
- AVC-2410 PCI card
- Remote control and 2 AA batteries
- Standard 6-foot Audio/Visual cable
- Audio Y cable
- Infrared cable
- VideOh! CD, including drivers, software, and *User's Guide*
- *Getting Started* guide

System Requirements

To use your VideOh! Media Center kit, you need a PC-compatible computer with:

- Intel Pentium III 600 MHz (or faster) processor
- Windows[®] 98SE, Windows Me[®], Windows 2000[®], or Windows XP[®]
- Available PCI port
- 256 MB RAM
- 400 MB free disk space for applications
- 200–570 MB free disk space per 10 minutes of captured video, depending on resolution and capture quality (see the Tables on pages [49](#) and [50](#) for more information)
- Sound card
- CD-ROM drive
- CD-Recorder or DVD-Recorder for output
- Video card and monitor that support 16-bit color at 1024 x 768 resolution (24/32-bit color or higher resolution recommended)

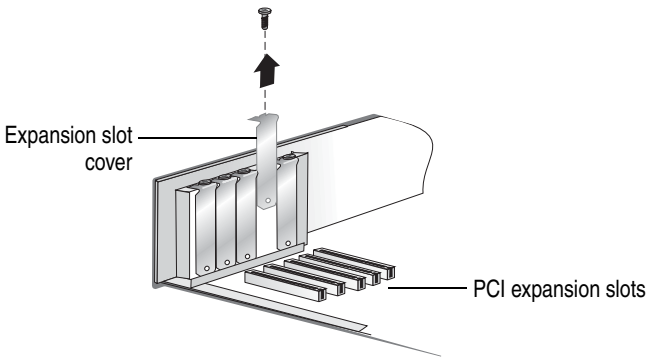
This is Your AVC-2410



Installing Your AVC-2410

To install your AVC-2410 card:

- 1 Discharge any static electricity build-up before handling the AVC-2410 card by touching a grounded metal object (such as the exposed metal parts on the back of your computer).
- 2 Turn off power to the computer and disconnect the power cord. Open the computer cabinet, following the manufacturer's instructions.
- 3 Locate an unused PCI expansion slot and remove the expansion slot cover. Save the slot cover screw for use in [Step 6](#).



- 4 Remove the AVC-2410 card from its antistatic packaging.



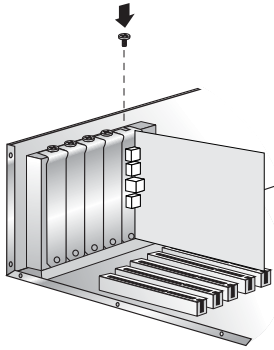
Caution: *Always* handle the card by its edges or metal bracket. Do not touch the gold PCI connector or any components on the card.

- 5 Insert the AVC-2410 card into the PCI expansion slot. Press down firmly until the card clicks into place. When installed properly, the card should appear level with the expansion slot.



Note: Depending on the tightness of the PCI slot, gentle but firm force may be required to insert the card.

- Secure the card bracket with the slot cover screw you removed in [Step 3](#).



- Close the computer cabinet and reattach the power cord.
- Turn on your computer. Windows detects the AVC-2410 and starts the Found New Hardware Wizard. This wizard steps you through the process of installing the necessary drivers.
- When prompted, insert the VideOh! CD into your CD-ROM drive.



Note: If the VideOh! Software Installation screen appears, exit this screen before installing the drivers.

See [Installing the Drivers on page 7](#) to continue.

Installing the Drivers

Before you can begin capturing analog video or TV programming, you must install the VideOh! Media Center device drivers.

Follow the complete set of installation instructions provided for your operating system to ensure that the driver is properly installed:

- For Windows XP, see [page 8](#).
- For Windows 2000, see [page 10](#).
- For Windows Me, see [page 14](#).
- For Windows 98SE, see [page 15](#).

Windows XP

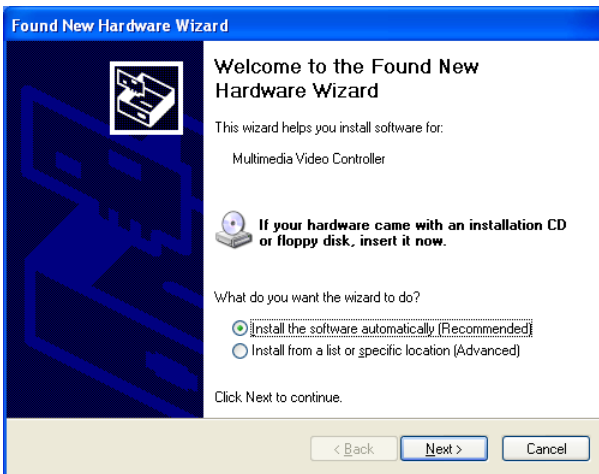
Windows XP automatically detects your device and opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.



Note: Before installing the driver, make sure the VideOh! CD is in your CD-ROM drive.

To install the driver:

- 1 In the Found New Hardware Wizard, select **Install the software automatically...**, then click **Next**.



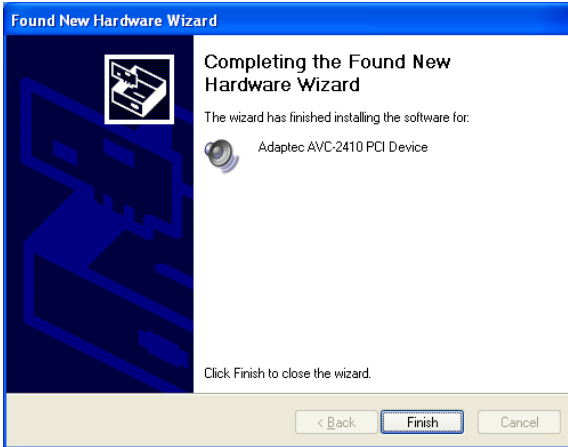
- 2 If this window appears, click **Continue Anyway**.



Note: Adaptec drivers have been fully tested and certified to work with the AVC-2410 device.

Windows installs the driver.

- 3 Click **Finish** to complete the installation.



Note: To check if the driver is installed properly, follow the instructions provided in *Need Help Installing Your Device Drivers?* on page 46.

See *Installing the Software* on page 19 to continue.

Windows 2000

Windows 2000 automatically detects your device and opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.



Note: Before installing the driver, make sure the VideOh! CD is in your CD-ROM drive.

To install the drivers:

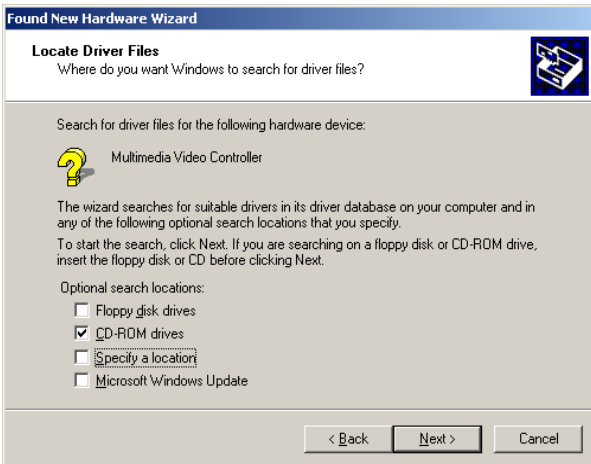
- 1 In the Found New Hardware Wizard, click **Next**.



2 Select **Search for a suitable driver...**, then click **Next**.

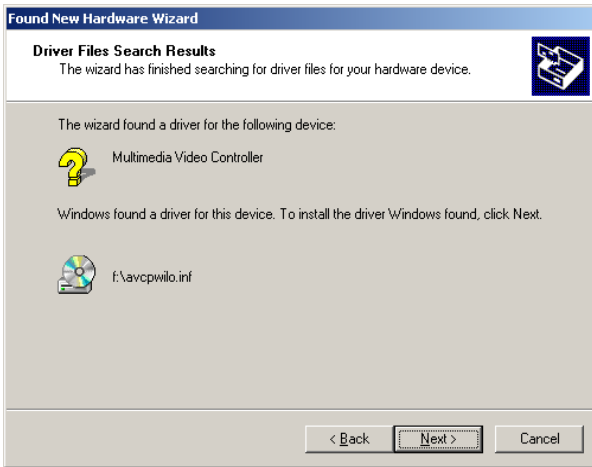


3 Select **only CD-ROM drives**, then click **Next**.



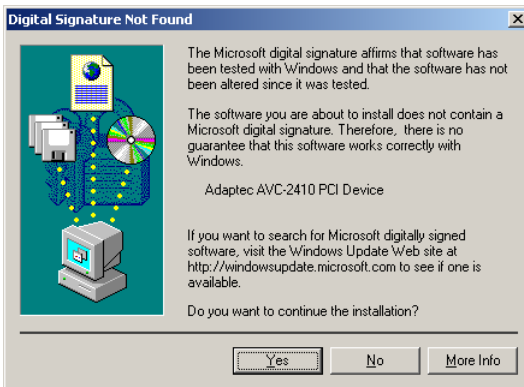
Windows locates a driver file.

4 Click Next.



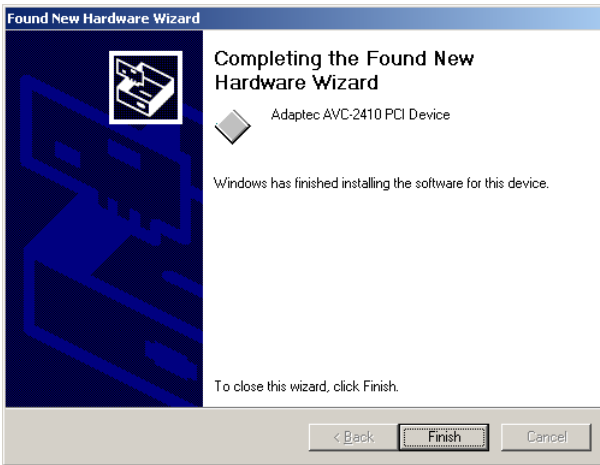
Note: The drive letter for your CD-ROM may be different than the one shown in the example above.

5 If this window appears, click Yes.



Note: Adaptec drivers have been fully tested and certified to work with the AVC-2410 device.

6 Click **Finish** to complete the installation.



Note: To check if the driver is installed properly, follow the instructions provided in *Need Help Installing Your Device Drivers?* on page 46.

See *Installing the Software* on page 19 to continue.

Windows Me



Note: Before installing the driver, make sure the VideOh! CD is in your CD-ROM drive.

Windows Me automatically detects your device and opens the Found New Hardware Wizard. To install the driver:

- 1 Select **Automatic search...**, then click **Next**.



- 2 Click **Finish** to complete the installation.



Note: To check if the driver is installed properly, follow the instructions provided in [Need Help Installing Your Device Drivers?](#) on page 46.

See [Installing the Software](#) on page 19 to continue.

Windows 98SE

Windows 98SE automatically detects your device and opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.



Note: Before installing the driver, make sure the VideOh! CD is in your CD-ROM drive.

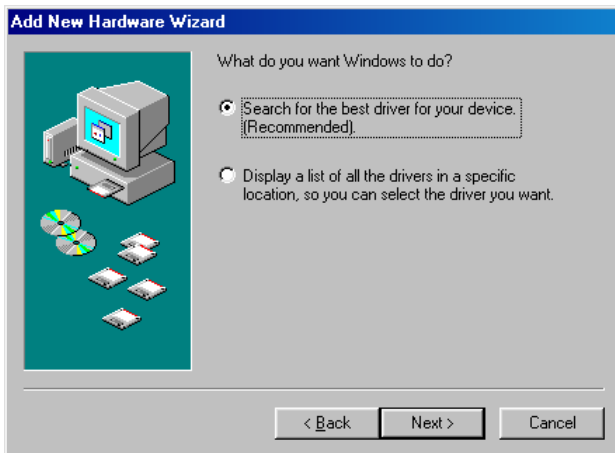


Note: You may need your Windows 98SE CD to complete this installation procedure.

To install the drivers:

- 1 In the Add New Hardware Wizard, click **Next**.



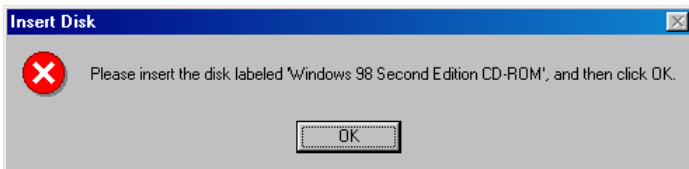
2 Select Search for best driver..., then click Next.**3 Select only CD-ROM drive, then click Next.**

4 Click Next.



Note: The drive letter for your CD-ROM may be different than the one shown in the example above.

5 If required, insert your Windows 98SE CD, then click **OK**.



- 6 Click **Finish** to complete the installation.



Note: If the driver file being installed from the VideOh! CD is older than the existing driver file, you may get a version conflict message. Select to keep the newer driver file.



Note: To check if the driver is installed properly, follow the instructions provided in [Need Help Installing Your Device Drivers?](#) on page 46.

See [Installing the Software](#) on page 19 to continue.

Installing the Software

Once the drivers are installed, you are ready to install InterVideo® WinDVR™, and Sonic® MyDVD™ and the ArcSoft® Showbiz™ companion software.



Note: If MyDVD or WinDVR are already installed on your system, uninstall them before installing the newer versions.

To complete the software installation:

- 1 Eject and re-insert the VideOh! CD.
- 2 From the main VideOh! Installation screen, click **Install Software**, then click **WinDVR**.



Note: If the VideOh! Installation screen doesn't appear, use Windows Explorer to display the CD contents, then click **autorun.exe**.

- 3 Follow the on-screen instructions to install WinDVR.



Note: If you are prompted to install DirectX, do so.

WinDVR installs on your system.

- 4 When the installation is complete, on the main VideOh! Installation screen, click **Install Software**, then click **MyDVD**.
- 5 Follow the on-screen instructions to install MyDVD and ShowBiz.



Note: *Windows 98SE only*—Before it begins the MyDVD and Showbiz installation, your system may automatically install an updated version of Windows Installer, then prompt you to restart your computer. Follow the on-screen instructions to continue the installation.

Sonic MyDVD and ArcSoft Showbiz install on your system.

- 6 When the installation is complete, restart your computer.

Connecting Your Device

Follow these steps to connect your video device (VCR or camcorder) or TV source (cable, satellite receiver, antenna, and so on) to the AVC-2410.

Connecting a Video Device

Connect your video device to your AVC-2410 using the included A/V cable or the proprietary cable that came with your device. S-Video users can use an S-Video cable and the A/V cables included in the VideOh! kit.

See the Figure on [page 4](#) if you need help locating the ports on your AVC-2410.

Now you're ready to CREATE. See [page 38](#) to create a video project.

Connecting a TV Source

Connect your TV source to your AVC-2410 using a standard TV cable.

Connect the Infrared cable to the cable port, then place the receiver in an open area on or near your computer monitor. Ensure that the Infrared signal from the remote control can reach the receiver.

Now you're ready to CREATE. See [page 34](#) to create a TV project.

Watching and Recording TV with WinDVR

InterVideo WinDVR allows you to watch and record TV programs on your computer. This section of the *User's Guide* explains how to:

- Navigate WinDVR. See [page 22](#).
- Open WinDVR. See [page 24](#).
- Complete the initial set-up for WinDVR. See [page 24](#).
- Open the TV Panel. See [page 25](#).
- Watch TV. See [page 26](#).
- Use the Time Shift feature. See [page 27](#).
- Record a TV program. See [page 29](#).
- Schedule a program to be recorded. See [page 30](#).
- Watch a recorded program. See [page 32](#).
- Capture a still image from TV. See [page 33](#).
- Customize WinDVR. See [page 33](#).

To get more information while you're using WinDVR, click ? on the Control Panel to display detailed information about menus, settings, and other features of the software.

Before you begin:

- Make sure your TV source is connected to the AVC-2410. (See [page 20](#).)
- Close Sonic MyDVD, if it is running.



Caution: Do not attempt to run the WinDVR and MyDVD applications simultaneously. Close one application before opening the other one.

Navigating WinDVR

You can navigate WinDVR using the on-screen Control Panel, your keyboard, or the remote control included in the VideOh! kit.

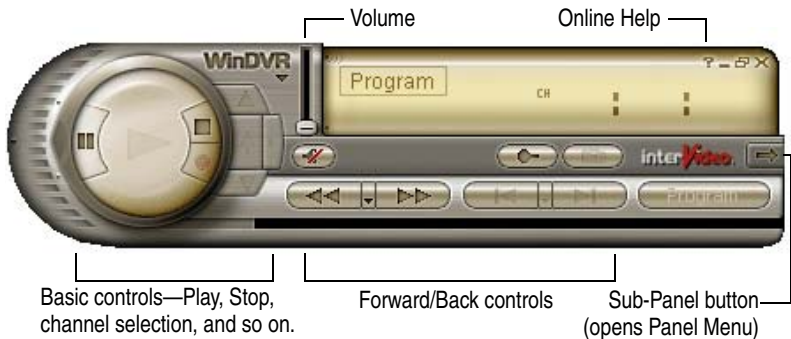
This section provides an overview of all three navigation tools. In the remainder of this *Guide*, the remote control is used as the primary navigation tool.



Note: If you have a digital cable or satellite receiver, see [Using a Set-top Box on page 23](#) for navigation information.

Using the Control Panel

The Control Panel buttons (shown below) can be navigated by mouse; click ? on the Control Panel to find more detailed information about each button.



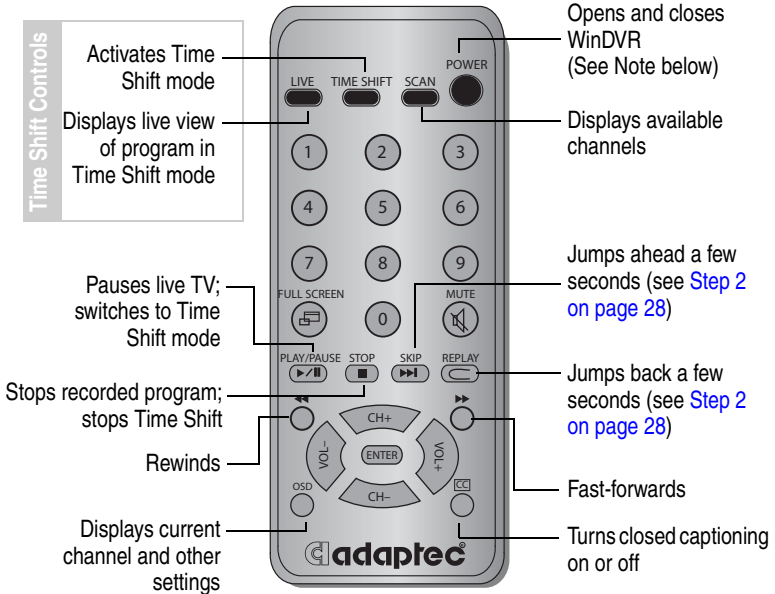
Using Keyboard Shortcuts

You can navigate WinDVR using shortcuts (or *hot keys*) on your keyboard instead of using your mouse. For instance, you can use the Spacebar to play or pause, the numbers on the keyboard to select channels, and the Home key to start recording.

The online Help system lists all keyboard shortcuts; click ? on the Control Panel to find out more.

Using the Remote Control

The remote control requires two AA batteries (included in the kit) and features buttons and functions similar to standard TV remote controls. Its special features are explained in the Figure below.



Note: The Power button opens and closes the WinDVR software. It does *not* power on your AVC-2410 device or your computer.

Using a Set-top Box

If you have connected a digital cable or satellite receiver to your AVC-2410, you must set WinDVR to match your set-top box output (usually channel 3 or 4) and use the set-top box remote control to tune your TV signal. The channel selection buttons on the WinDVR Control Panel/keyboard/remote control will not work.

Opening WinDVR

To open WinDVR, double-click the **InterVideo WinDVR** icon (shown at right) on your desktop, or press the **Power** button on your remote control. The Display Window and Control Panel appear.



Note: The Power button on the remote control opens the WinDVR software. It does *not* power on your computer.

The Display Window is where you view live or captured TV programs. You can move and resize the window to suit your needs. The Display Window may show static until an available channel is selected.

The Control Panel (shown on [page 22](#)) is similar to a standard VCR control panel. Use the Control Panel to watch live or recorded TV. Open the Panel Menu to change such WinDVR settings as the sleep timer, the parental control feature, and tuner input mode.

Completing the Initial Setup

The first time you open WinDVR after installation, a wizard opens to walk you through the initial setup. Follow the on-screen instructions to configure the software to meet your specific needs:

- 1 In the Device window:
 - For Device, select **Adaptec PCI Capture Device**.
 - For Source, select **TV**.
 - Do not adjust the Standard setting. WinDVR will automatically adjust it to match the geographical area you choose in [Step 2](#).
- 2 In the TV window:
 - For Tuner, select **Antenna** if you are using an antenna; otherwise, select **Cable**.
 - For Country or Region, select your geographical location. WinDVR uses this information to set the device standard, and provide TV programming schedules for your location through an electronic program guide (EPG).

- 3 Leave all options in the iEPG window at their default settings.
- 4 In the Channel window, click **Autoscan**.

An Autoscan lets WinDVR know which channels are available. You can perform an Autoscan at any time in the Setup window. (See [page 26](#).)

- 5 Adaptec recommends that you keep the default Storage Location information.



Note: For more information on settings, see [Customizing WinDVR on page 33](#), or click ? on the WinDVR Control Panel.

Opening the TV Panel

The Control Panel has a sub-panel called the TV Panel, which is where you can access TV-specific settings such as closed-captioning and the EPG.

To open the TV Panel, click the **Sub-Panel** button (shown at right) and select **TV Panel**.



The TV panel (shown below) opens beside the Control Panel.



Click the **Close Sub-Panel** button to close the TV Panel.

Watching TV

You can use your computer monitor like a regular television to view *live TV* (TV programs that are currently on).

To watch TV:

- 1 Open WinDVR by pressing the **Power** button on the remote control.
- 2 AutoScan for available channels, if required.

To do an AutoScan, click the **Setup** button on the TV Panel (shown on [page 25](#)), then click **AutoScan** on the Channel tab.

- 3 Select the channel you want, using the Control Panel, keyboard, remote control, or your set-top box controls.

The channel you select appears in the Display Window.



Note: You can click the Channel List button on the Control Panel at any time to select from a list of available channels.

- 4 Change channels and adjust volume as you normally would when watching TV.
- 5 Close WinDVR when you're done.

Channel Surfing

To see what programs are playing on other available channels:

- 1 Press **Scan** on the remote control, or open the TV Panel on WinDVR and click **Surfing**.

Still images from available channels appear in the Display Window.

- 2 Click on any image to preview that channel.
- 3 Double-click on any image to open that channel full-size in the Display Window.

If you don't want to change channels, click **Stop** to end your Surfing session. (You can also click **Scan** again to end the channel scan.)

Time-shifting

You can use WinDVR's Time Shift mode to pause, replay, or skip commercials while watching live TV. In Time Shift mode, you decide how to watch TV—you can watch your own instant replays, take a break from a live program then rejoin it where you left off, or instantly jump back to live view.

Time-shifting in Normal Mode

In Normal mode, Time-shifting is not the same as recording—no permanent file is saved to your hard drive. Instead, when you activate Time Shift mode, WinDVR begins temporarily storing (*buffering*) the program you're watching, up to a preset amount of time (10 minutes, by default).



Note: You can change the default buffering time. Open the TV Panel, click the **Setup** button, then click the **Time Shifting** tab. Change the buffering time as desired, to within the limits of disk space available on your hard drive. Then click **OK**.

To activate Time Shift mode while watching a live program:

- 1 Press **Time Shift** or **Pause** on the remote control. (Both buttons activate Time-shifting.)



Note: You can also click the Pause button on the WinDVR Control Panel.

WinDVR begins buffering the TV program. The Control Panel shows Delay above the channel display.

If you stay in Time Shift mode longer than the preset buffering time limit, WinDVR will keep only the most recent portion of the TV program in the buffer. For instance, if your buffering time limit is 10 minutes, WinDVR will keep only the most recent 10 minutes of the TV program in its buffer.

- 2 Use the **Fast-forward** or **Rewind** buttons to move quickly inside the buffered portion of the program.

Use the **Skip** and **Replay** buttons to jump forward or backward a few seconds.



Note: By default, the Skip button is set to jump forward 30 seconds, and the Replay button is set to jump backward 10 seconds. You can change these default values on the Display tab of the Setup window. See [Customizing WinDVR on page 33](#) for instructions.

Press **Live** on the remote control to instantly jump to a live view of the TV program being buffered.

- 3 Press **Stop** on the remote control to exit Time Shift mode and return to Live TV mode. Any buffered information is erased.

Time-shifting in Record Mode

You can set Time Shift to Record mode so that WinDVR automatically records every time you activate Time-shifting. There is no preset buffering time limit in Record mode.



Note: Record mode uses more of your computer's resources and may slow system performance.

To set Time-shifting to Record mode:

- 1 Open the TV Panel and click the **Setup** button. (See [page 25](#).)
The Setup window opens.
- 2 Click the **Time Shifting** tab.
- 3 Click the **Record Mode** radio button.
- 4 Click **OK** to close the Setup window.

To activate Time Shift mode:

- 1 Watch TV as normal, and press **Time Shift** on the remote control when desired.
- 2 Use the Time Shift features as described in [Time-shifting on page 27](#).

- 3 Press **Stop** on the remote control to exit Time Shift mode and return to Live TV mode.

WinDVR prompts you to type a name for the recorded program.

- 4 Type the filename, then click **OK**.

The file is saved to your hard drive.

Recording TV

You can use WinDVR to record a TV program and save it to your hard drive for later viewing.

To record TV programming:

- 1 Ensure you have enough disk space on your hard drive to accommodate the new file. See [Need Help Recording Your TV Program? on page 49](#) for help estimating file sizes.
- 2 Select the channel you want. (Use the Control Panel, keyboard, remote control, or your set-top box controls.)
- 3 Click the **Record** button on the Control Panel to begin recording.



Stop button (grayed-out until Record or Play button is clicked)
Record button

- 4 Click the **Stop** button on the Control Panel when you're finished recording.
- 5 When prompted, enter a name for the recorded file, then click **OK**. By default, your file will be saved to the My Video folder under My Documents in Windows Explorer (unless you have configured WinDVR to save to a different location).

Scheduling Recording

You can program WinDVR to record a TV program or remind you of an upcoming program. To schedule recording:

- 1 Open the TV Panel. (See [page 25](#) for instructions.)
- 2 Click **Schedule**.

The Schedule window appears.

- 3 Click **Create**.

A wizard opens and helps you create a schedule.

Follow the wizard to schedule a recording or a reminder. You can create a single-use schedule, or you can set up recurring recording/reminders. A conflict message appears if you try to schedule two programs for the same date and time.

When you're finished, icons in the Task ID column of the Schedule window show whether tasks are scheduled recordings or program reminders.



Note: If you have a digital cable or satellite receiver, see [Scheduling Recording with a Set-top Box on page 31](#) for important recording information.

- 4 Make sure your computer is powered on at the time the recording is scheduled. If you have a digital cable or satellite receiver, also leave your set-top box powered on. You do not need to open WinDVR—it will open automatically at the scheduled time.

Scheduling Recording with a Set-top Box

Digital cable or satellite receiver users only—WinDVR cannot control the channel setting of your set-top box.

To schedule the recording of a single TV program or multiple TV programs that all appear on the same channel:

- 1 Set the programs' channel on your set-top box.
- 2 Open the Task window (shown in [Step 3 on page 30](#)) for each scheduled program and change the TV Channel setting to match your set-top box output (usually channel 3 or 4).
- 3 Leave your set-top box powered on at the time recording is scheduled.

To schedule the recording of multiple programs that *do not* all appear on the same channel:

- 1 Open the Task window (shown in [Step 3 on page 30](#)) for each scheduled program and change the TV Channel setting to match your set-top box output (usually channel 3 or 4).
- 2 Manually change the channel on your set-top box before the scheduled recording times, as required. (Make sure you don't change channels *during* a recording session.)
- 3 Leave your set-top box powered on at the time recording is scheduled.

Using the EPG

Click the **EPG** button on the TV Panel (shown on [page 25](#)) to connect to a Web-based programming guide that displays program schedules and helps you schedule future programs for recording. Your computer must be connected to the Internet to open the EPG.

The EPG displays program schedules for your geographical region. If the wrong program schedules display, check the Country or Region setting in the Setup dialog box. See [Customizing WinDVR on page 33](#) for more information.

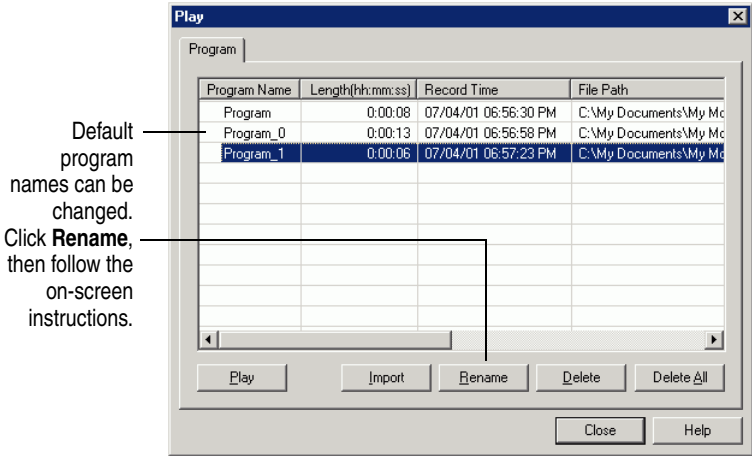
Refer to your EPG Web site for help using and troubleshooting the EPG.

Watching a Recorded Program

You can watch a saved TV program on your computer monitor. (If you want to burn your saved TV program onto a DVD or CD, see [Importing to MyDVD on page 35.](#))

To watch a saved TV program:

- 1 Click **Program** on the Control Panel to open the Play dialog box.



- 2 Click on the program you want to watch, then click **Play**.
- 3 Click **Stop** when you are finished viewing the program.


Capturing a Still Image

You can capture still images from TV programs using the WinDVR Control Panel.



Note: You can capture still images while you're watching live TV, or while you're playing back a recorded program.

To capture a still image:

- 1 At any time while you're watching TV, click the **Still Image** button (shown at right) on the WinDVR Control Panel. 

The image you capture appears in the Capture window.

- 2 Use the Capture window buttons to save or delete the image. Files can be saved in bitmap (.bmp) or JPEG (.jpg) format.
- 3 Continue capturing more still images from the Capture window using the Still Image button, or close the Capture window.

Customizing WinDVR

You can change the WinDVR settings at any time. To make changes to the WinDVR set-up:

- 1 Open the TV Panel and click the **Setup** button. (See [page 25](#) for instructions.)

The Setup window opens.

- 2 Make setting changes as required. Click **?** on the Control Panel if you need help understanding the setting options.
- 3 Click **Apply**, then click **OK**.

Creating a TV Project with WinDVR and MyDVD

This section provides the basic steps for creating a TV project to be burned to DVD or CD for storage and future viewing.



Note: To create a video project, see [page 38](#).

To get more information, refer to the online tutorial included with Sonic MyDVD. Or, at any time while you're using this software, click **?** or **Help**, to display detailed information about any step you want to perform.

Before you begin creating:

- If you have an external DVD/CD recorder, make sure it is connected to your computer and switched on. You need a DVD-Recordable drive and appropriate media to burn DVDs. DVD-ROM, CD-R, and CD-RW drives do not have the capability to burn DVD discs. However, a CD-Recordable drive can burn a Video CD that you can play back on a DVD player.
- Close WinDVR.



Caution: Do not attempt to run the WinDVR and MyDVD applications simultaneously. Close one application before opening the other one.

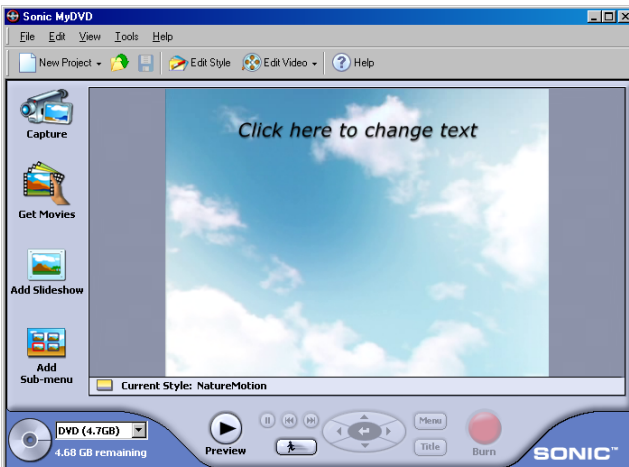
Importing to MyDVD

To burn a recorded TV program onto a DVD or CD, you must first import it to MyDVD.

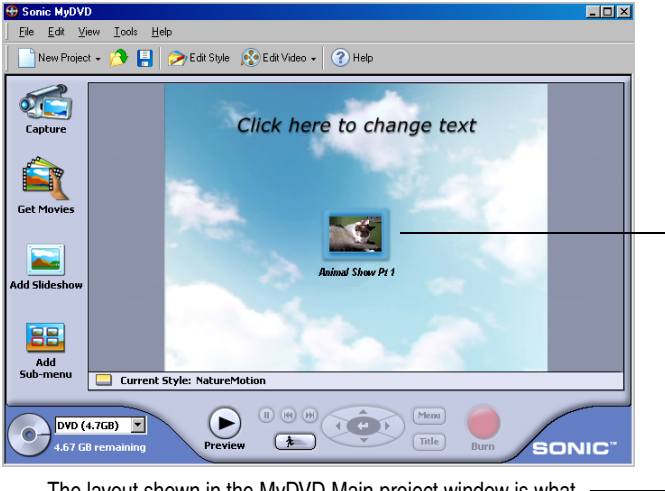
- 1 Close WinDVR. *Do not* open MyDVD when WinDVR is running.
- 2 Start MyDVD by double-clicking the **Sonic MyDVD** icon on your desktop. The Welcome window appears.



- 3 Move the mouse pointer over either DVD-Video or Video CD, then click **Create or Modify a ... Project**. The Main project window appears.



- 4 Click **Get Movies**. Select the video file you want, then click **Open**.
- 5 Your file is loaded into MyDVD and appears as a thumbnail picture on your Main project window.



Trimming Your Recorded Program

Now that you've captured your TV program, you can trim it. For example, you can change your Start and End points, and remove any unwanted footage. You can also choose the specific TV frame that you want to use as the thumbnail picture that is displayed in your Main project window.

See [Trimming Your Video on page 42](#) for detailed trimming and editing instructions.

Burning Your Program onto DVD or VCD

It's a good idea to see how your DVD/VCD project will look before you burn it to the disc. See [Previewing Your Project on page 43](#) for information on preview quality and troubleshooting.

When you are satisfied with how your DVD or VCD project looks, you are ready to burn it onto a recordable DVD or CD, for long-term storage or personal viewing. See [Burning Your DVD or VCD on page 43](#) for detailed instructions.

Finding More Information

To learn more about how to use Sonic MyDVD and ArcSoft ShowBiz:

- In the MyDVD Welcome window, click the **Help** button or **Tutorial** button.

In the project window, click the **Help** menu and select **MyDVD Help** or **Tutorial**.

- In Showbiz, click **?** on the ShowBiz main screen to open the online Help and Learn the Basics tutorial. Right-click on any screen item to open context-sensitive Help.

Creating A Video Project with MyDVD

These instructions give you the basic steps for capturing your video, trimming it, and then burning it to DVD or CD.



Note: To create a television project, see [page 34](#).

To get more information, refer to the online tutorial included with Sonic MyDVD. Or, at any time while you're using this software, click **?** or **Help**, to display detailed information about any step you want to perform.

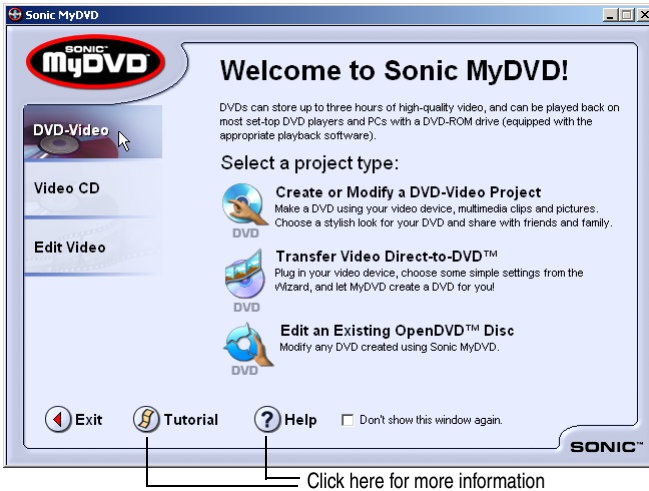
Before you begin creating:

- Make sure your analog video device (such as a camcorder or VCR) is connected to the AVC-2410 and switched on.
- If you have an external DVD/CD recorder, make sure it is connected to your computer and switched on. You need a DVD-Recordable drive and appropriate media to burn DVDs. DVD-ROM, CD-R, and CD-RW drives do not have the capability to burn DVD discs. However, a CD-Recordable drive can burn a Video CD that you can play back on a DVD player.
- Ensure that WinDVR is not open.

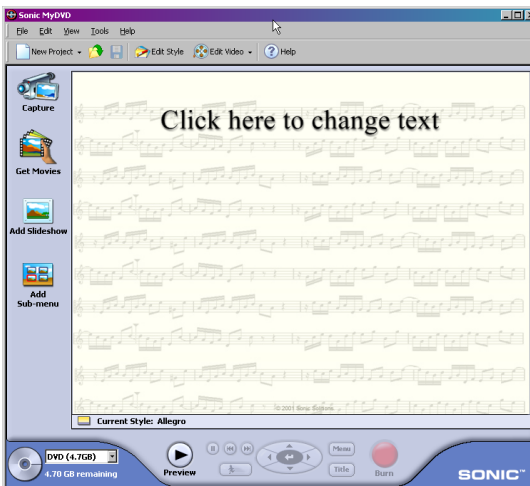
Capturing Your Video

To successfully capture your video, make sure you complete each step in the order given.

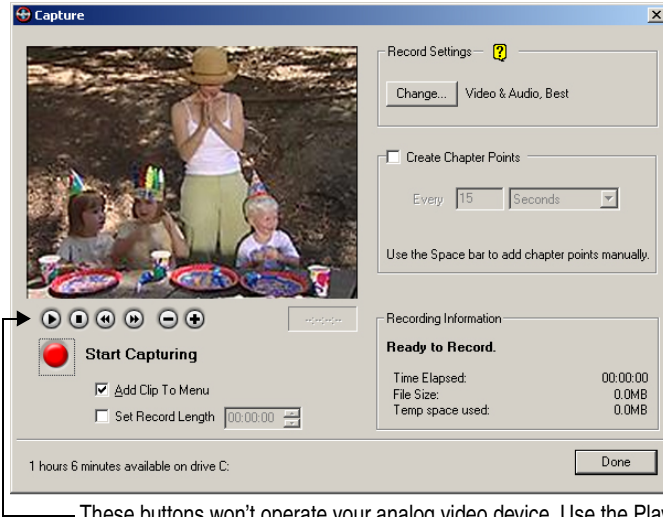
- 1 Start MyDVD by clicking the **Sonic MyDVD** icon on your desktop. The Welcome window appears.



- 2 Move the mouse pointer over either DVD-Video or Video CD, then click **Create or Modify a ... Project**. The Main project window appears.



- On the Main project window (shown in [Step 2 on page 39](#)), click **Capture**. The Capture window appears. The video image appears in the Capture window.



— These buttons won't operate your analog video device. Use the Play, Stop, and other control buttons on your device to control your analog video tape.

- Press the **Play** button on your analog video device.
- To begin transferring your video to your computer, click **Start Capturing**.

MyDVD captures your video, including the audio.

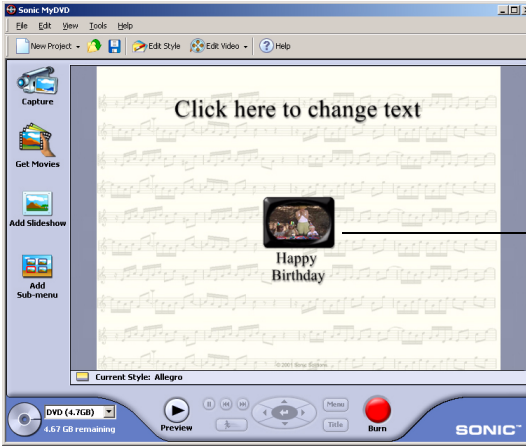


Note: If you get any error messages at this point in your video capturing, stop your analog video device and see [Need Help Capturing Your Video? on page 50](#).

- When you want to stop transferring your video to your computer, click **Stop Capturing**, then stop or pause your analog video device.
- On the Save As screen, enter the filename of your video clip and click **Save**. The filename you choose becomes the title of your video clip and is displayed on the Main project window. (You can change the title later if you choose.)

8 Click **Done** when finished.

Your video clip is saved and you will see a thumbnail picture on your Main project window.



The layout shown in the MyDVD Main project window is what your DVD menu will look like on your TV.

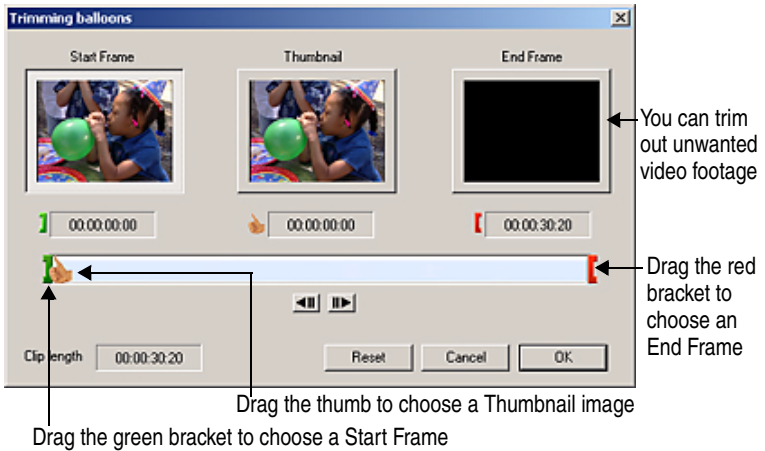


Note: If you plan to do multiple video captures in the same session, save your project, then close and relaunch MyDVD after six captures.

Trimming Your Video

Now that you've captured some video footage, you can trim it. For example, you can change your Start and End points. You can also choose the specific video frame that you want to use as the thumbnail picture that is displayed in your Main project window.

- 1 From the Main project window, double-click the thumbnail for the video clip you want to trim.
- 2 Use the controls in the Trimming window to trim your video.



- 3 Click **OK** when finished.



Note: For more advanced editing functions, use the ArcSoft Showbiz companion software included with MyDVD. For more information, see [Finding More Information on page 44](#).

Previewing Your Project

It's a good idea to see how your DVD/VCD project will look before you burn it to the disc. To preview your project, press **Preview** at the bottom of your Main project window, then double-click the thumbnail clip you want to look at.

When you have previewed your project, press **Stop**.

- If playback appears fuzzy and unclear (for example, the edges of objects, especially objects in motion, are feathered) it is because of a difference between how televisions and computer monitors display video. This effect is not noticeable when you play back the finished DVD or VCD disc on your TV.
- If your computer's processing speed is less than 800 MHz or if you are using a slower video card, your preview video in the MyDVD capture window may appear choppy. However, the finished DVD or VCD, played back on your TV, will be fine. Updating the drivers for your computer's video and/or audio card may minimize this problem. Check your video or sound card manufacturer's website for driver updates.

Burning Your DVD or VCD

When you are satisfied with how your DVD or VCD project looks, you are ready to burn it onto a recordable DVD or CD.

- 1 Insert a recordable DVD or CD into your computer's DVD or CD recorder.
- 2 On the Main project window, click **Burn**.
- 3 Follow the on-screen instructions.

You will be notified when your DVD or VCD is successfully completed. On average, a 30 minute DVD or VCD can take from 1 to 2 hours to burn (depending on the speed of your computer and DVD/CD burner).

Sharing Your DVD or VCD

Now that you've captured your video and burned it to a DVD or CD, you're ready to share it. You can play your newly created DVD on most compatible DVD players. You can play your newly created VCD on most compatible DVD players or CD-ROM drives.

You can play your DVDs the way you play any standard DVD, using the controls on your DVD player or remote control.

To play a VCD, you need to select the video clip you want to view by using the number pad on the video player remote control. If you have more than 6 video clips, you can navigate between menu screens by using the skip forward and back controls.

Finding More Information

To learn more about how to use Sonic MyDVD and ArcSoft ShowBiz:

- In the MyDVD Welcome window, click the **Help** button or **Tutorial** button.

In the project window, click the **Help** menu and select **MyDVD Help** or **Tutorial**.

- In Showbiz, click ? on the ShowBiz main screen to open the online Help and Learn the Basics tutorial. Right-click on any screen item to open context-sensitive Help.

Getting Help

Registering Your AVC-2410

To ensure your eligibility for support and upgrades, and to qualify for future promotions, please register your AVC-2410 on the Adaptec website at register.adaptec.com.

Need Help with Your AVC-2410?

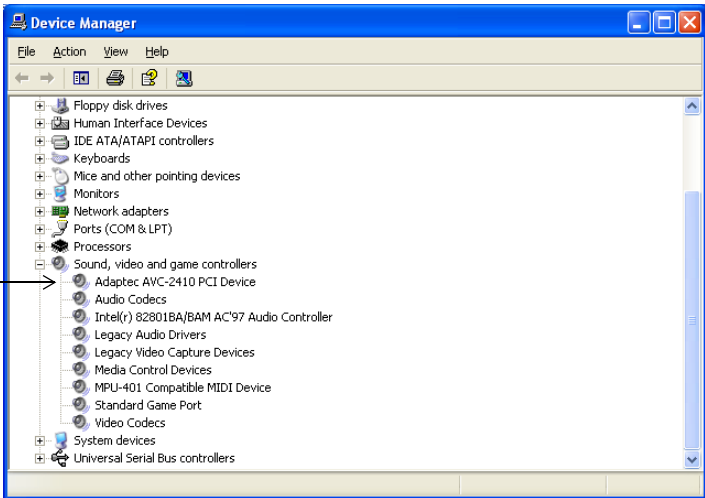
- Ensure that your analog video device is connected and powered on, or that your TV source (cable, receiver, antenna) is properly connected.
- Double-check all cable connections.
- Ensure that the AVC-2410 is properly connected and that the drivers are correctly installed. See [Need Help Installing Your Device Drivers?](#) on page 46 for more information.

Need Help Installing Your Device Drivers?

To ensure that the driver for your operating system has installed properly, you may want to double-check your driver installation.

For Windows XP

- 1 On the bottom left of your desktop, click the **Start** button, and double-click **Control Panel**. Click **Performance and Maintenance**, then double-click **System**. The System Properties window opens. Click the **Hardware** tab.
- 2 Open **Device Manager**.
- 3 Click **Sound, video and game controllers**, and check that **Adaptec AVC-2410 PCI Device** appears, as shown in the figure below.

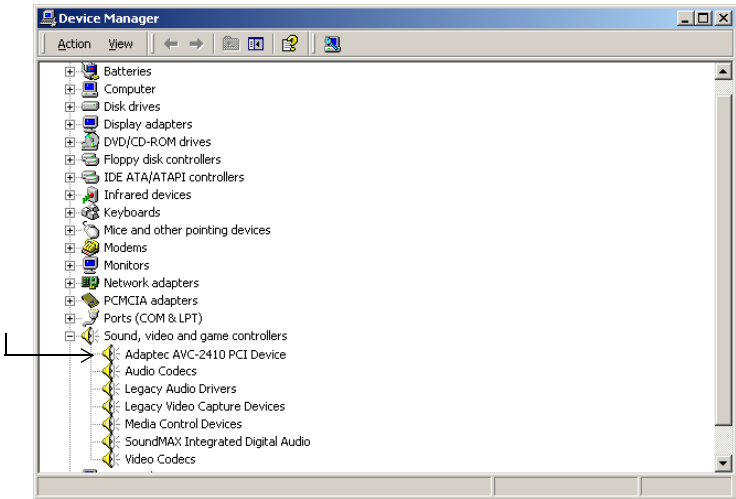


Note: The screen you see on your computer may be different than the one shown in the example above.

If the AVC-2410 doesn't appear, refer to [Need Help with Your AVC-2410? on page 45](#).

For Windows 2000

- 1 On the bottom left of your desktop, click the **Start** button, select **Settings** and click **Control Panel**, then double-click **System**. The System Properties window opens. Click the **Hardware** tab.
- 2 Open **Device Manager**.
- 3 Click **Sound, video and game controllers**, and check that Adaptec AVC-2410 PCI Device appears, as shown in the figure below.

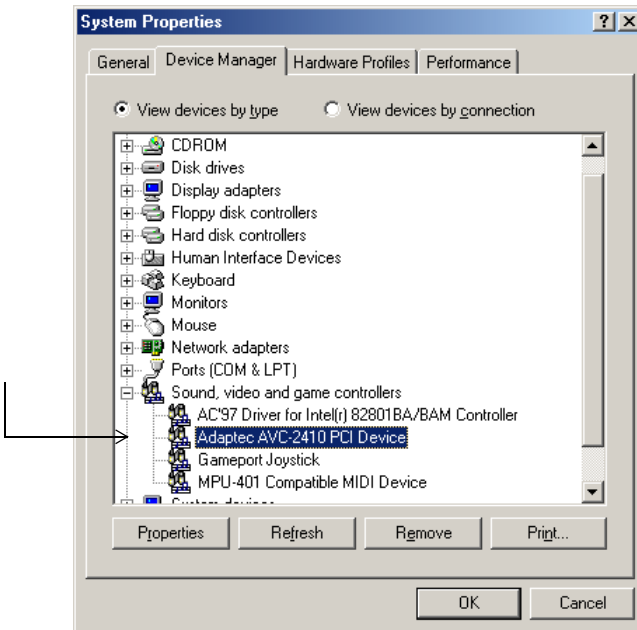


Note: The screen you see on your computer may be different than the one shown in the example above.

If the AVC-2410 doesn't appear, refer to [Need Help with Your AVC-2410?](#) on page 45.

For Windows Me and 98SE

- 1 On the bottom left of your desktop, click the **Start** button, select **Settings** and click **Control Panel**, then double-click **System**. The System Properties window opens.
- 2 Open **Device Manager**, and select **View devices by type**.
- 3 Click **Sound, video and game controllers**, and check that Adaptec AVC-2410 PCI Device appears, as shown in the figure below.



If the AVC-2410 doesn't appear, refer to [Need Help with Your AVC-2410? on page 45](#).

Need Help Recording Your TV Program?

- Ensure that you have enough room on your hard drive to record the programming you want. Use this table to estimate the amount of disk space required:

InterVideo WinDVR Disk Space Usage

Capture Setting	Disk space required for	
	1 minute of TV recording	10 minutes of TV recording
Good	38 MB	380 MB
Better	46 MB	460 MB
Best	53 MB	530 MB



Note: Due to Windows' FAT file system, the largest file you can capture is 4 GB. If possible, use a NTFS formatted hard disk drive.

- To record a future program:
 - Ensure that the date and time on your computer is accurate.
 - Leave your computer powered on. If you have a digital cable or satellite receiver, also leave your set-top box powered on.
 - Disable sleep/hibernate mode on your computer. Refer to your computer's documentation for instructions.



Note: Recording must be scheduled at least four minutes in advance.

- Your computer must be connected to the Internet and WinDVR must be set to your geographical location before you can view current and future programming schedules.

Once you have set a schedule for recording future programs, your computer can be disconnected from the Internet. You do not need a live Internet connection to record programs.

- Refer to your EPG Web site for help using and troubleshooting the EPG.

Need Help Capturing Your Video?

- If your analog video device, such as a VCR or camcorder, is not powered on, after about 1 minute, you will get an error message.

To allow MyDVD to recognize and capture the video:

- Click **OK** to close the error message.
 - Click **Done** to close the Capture window.
 - Press the **Power on** button on your video device.
 - Click **Capture**.
 - Click **Start Capturing**.
- For optimum quality when creating DVDs, use the Best setting (in the MyDVD Capture window) when capturing video clips. However, if you have limited disk space, Adaptec recommends that you choose the Better or Good capture setting. Use this table to estimate the amount of disk space required:

Sonic MyDVD Disk Space Usage

Quality / Resolution	Capture Setting	Disk space required for	
		1 minute of analog video	10 minutes of analog video
DVD (MPEG-II)	Good	32 MB	320 MB
	Better	39 MB	390 MB
	Best	46 MB	460 MB
VCD (MPEG-I)	Good	10 MB	100 MB



Note: Due to Windows' FAT file system, the largest file you can capture is 4 GB. If possible, use a NTFS formatted hard disk drive.

- MyDVD may not be able to recognize video from a damaged or degraded video tape.

- If there are gaps in your analog video tape, MyDVD stops capturing. To continue, start capturing a new clip after the gap. Gaps in video footage are often caused by stops, pauses, static, or unrecorded space in the original recording. They can also be caused by old, damaged, or deteriorated video tapes.
- Set your computer monitor's screen resolution to 1024 x 768 or higher for optimum viewing.
- If you are playing your video and it is not appearing on the MyDVD Main project window, make sure MyDVD is capturing from the correct device.

To check your device, go to the Capture Window (as shown in [Step 3 of *Capturing Your Video*](#)) and under Record Settings, click **Change**. Make sure **Adaptec PCI Capture Device** is selected.

- To avoid choppy video in a captured file, especially a long video clip, disable any scanning background programs such as virus software or any CPU-loaded software.

Technical Specifications

Video Input	Composite (RCA) S-Video (7-pin DIN) Coaxial (TV)
Audio Input	Stereo Audio (Left/Right RCA)
TV Tuner Input	Standard antenna plug with stereo sound support: F-Conn (NTSC) IEC (PAL)
Video Capture Format	MPEG-1 and MPEG-2
Bit Rate	VCD and variable within DVD specifications
Video Standards	NTSC format at 29.97 fps: Full D1: 720 x 480, MPEG1: 352 x 240 PAL format at 25 fps: Full D1: 720 x 576, MPEG1: 352 x 288
PC Interface	PCI
Regulatory Certifications	FCC Class B, CE Class B (See page vii for more information.)



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