

VideOh! CD AVC-1200

User's Guide

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- The TSID number is included on two white, bar-coded labels, like the example below.



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- Search the Adaptec Support Knowledgebase (ASK) at ask.adaptec.com for articles, troubleshooting tips, and frequently asked questions for your product.
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- To order Adaptec products, including accessories and cables, call +1 408-957-7274. Or, you can order cables online at www.adaptec.com/buy-cables.

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691 South Milpitas Boulevard
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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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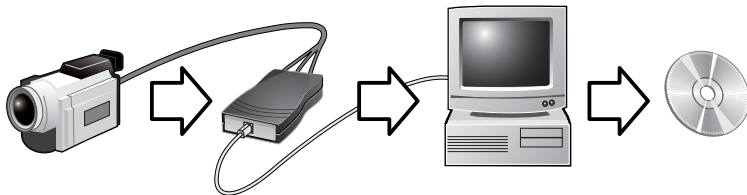
Introduction



Note: This product includes models AVC-1100 and AVC-1200. If you have AVC-1100, when you install your AVC-1200 drivers, it will automatically upgrade to AVC-1200.

Congratulations on the purchase of your Adaptec VideOh! CD AVC-1200. With your VideOh! CD kit, you can convert your analog videos into digital format and create your own Video CDs (VCDs) or DVD:

- Capture your favorite video footage with your AVC-1200 and the bundled Sonic[®] MyDVD[®] software.



- Organize and burn VCDs or DVDs with Sonic MyDVD software, which also helps you add backgrounds to your videos and menus for easy navigation.
- Edit your videos with the digital video editing tool integrated with MyDVD, if you want to add music, transitions, and titles to your movies.



Note: The digital video editing features of MyDVD are only supported with the Windows 2000 and XP operating systems.

This *User's Guide* tells you how to set up your VideOh! CD hardware, and provides detailed instructions for installing and using the VideOh! CD software.

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What's in the Package

Your Adaptec VideOh! CD kit includes:

- Adaptec AVC-1200 USB video capture device
- 6-foot USB cable
- 6-inch L-R RCA audio Y cable
- CD, including drivers, and Sonic MyDVD
- *Getting Started with VideOh! AVC-1200*

System Requirements

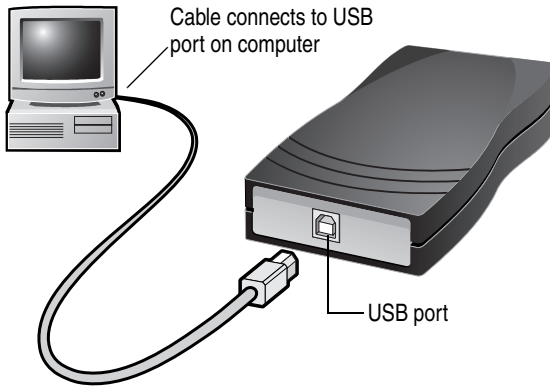
To use your VideOh! CD kit, you need a computer with:

- Intel Pentium II 600 MHz (or faster) processor (800 MHz recommended)
- Microsoft® Windows® 98SE, Me, 2000, or XP with latest patches
- 128 MB RAM minimum
- 350 MB free disk space for applications
- 450 MB free disk space per 10 minutes of captured video
- Sound card
- Available USB1.1 or 2.0 port
- 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 and higher resolution recommended)
- Analog video output device(s) such as camcorder or VCR with RCA audio/video outpusts

Plugging In

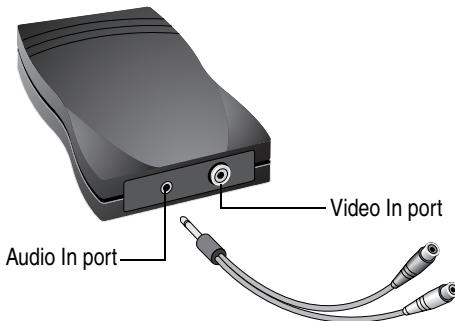
To set up your AVC-1200:

- 1 Connect your AVC-1200 to your computer, using the 6-foot USB cable.



Note: Adaptec *highly* recommends that you connect directly to your computer, and not through a USB hub.

- 2 If required, insert the L-R RCA audio Y cable into the Audio In port.



- 3 Plug one end of your camcorder cable into the Audio In and Video In ports of your AVC-1200, using the Y cable if required. Plug the other end into your analog video device.



Note: To ensure that your videos are captured successfully, unplug any extraneous USB devices you may have connected to your computer.

Installing the Drivers

Before you can begin capturing video, you must install the VideOh! CD device drivers.

Because several drivers must be installed, these instructions lead you through the installation procedure more than once. Follow the complete set of installation instructions provided for your operating system to ensure that all drivers are properly installed:

- For Windows XP, see [page 6](#).
- For Windows 2000, see [page 9](#).
- For Windows Me, see [page 14](#).
- For Windows 98SE, see [page 18](#).

Windows XP

When you plug in your AVC-1200, Windows XP automatically detects it and opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

During the installation process, the Video Capture driver is installed first and the Audio Capture driver is installed next. To ensure that all drivers are installed properly, follow the instructions provided in [Double-Checking Driver Installation on page 8](#).

To install the drivers:

- 1 Insert the CD from your VideOh! CD kit into your CD-ROM drive.



Note: If the VideOh! software installation screen appears, exit this screen until driver installation is complete.

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

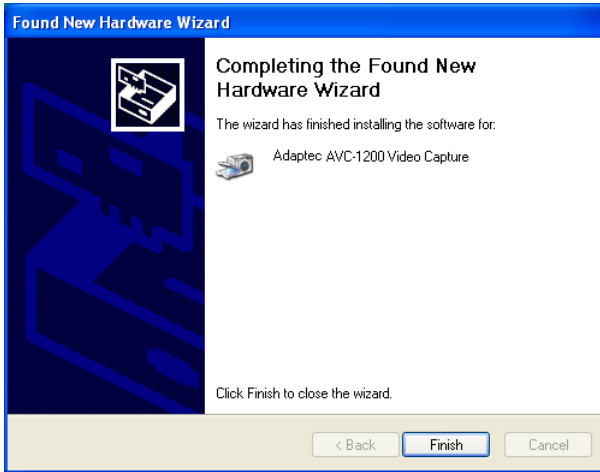


- 3 Click **Continue Anyway**.



Windows installs the driver.

4 Click Finish.



The Found New Hardware Wizard appears.

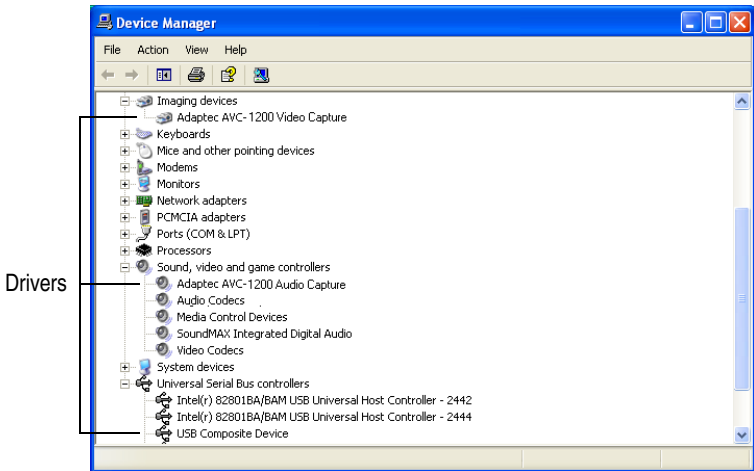
5 Repeat [Step 2](#) through [Step 4](#) to complete the installation.

Double-Checking Driver Installation

To ensure that the driver has installed properly on your Windows XP system:

- 1** On your desktop, right-click **My Computer** then select **Properties**.
- 2** Select the **Hardware** tab.
- 3** Click **Device Manager**, then:
 - Click **Imaging devices**. Adaptec AVC-1200 Video Capture should be listed.
 - Click **Sound, video, and game controllers**. Adaptec AVC-1200 Audio Capture should be listed.

- Click **Universal Serial Bus controllers**. USB Composite Device should be listed.



If any or all of these drivers don't appear, refer to [Troubleshooting Your AVC-1200 on page 32](#).

Windows 2000

When you plug in your AVC-1200, Windows 2000 automatically detects it and opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

During the installation process, the Audio Capture driver is installed first and the Video Capture driver is installed next. To ensure that all drivers are installed properly, follow the instructions provided in [Double-Checking Driver Installation on page 13](#).

To install the drivers:

- 1 Insert the CD from your VideOh! CD kit into your CD-ROM drive.



Note: If the VideOh! software installation screen appears, exit this screen until driver installation is complete.

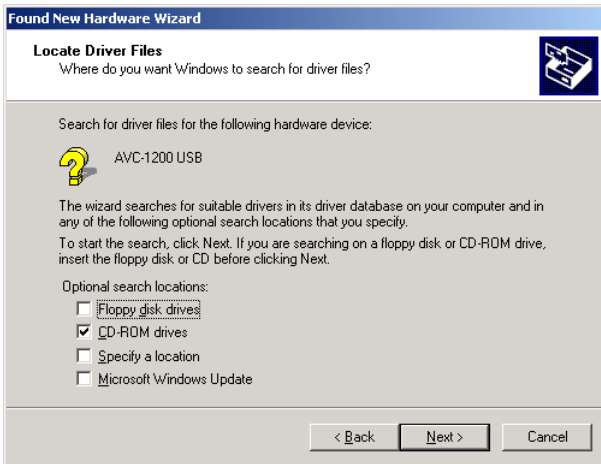
2 In the Found New Hardware Wizard, click **Next**.



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

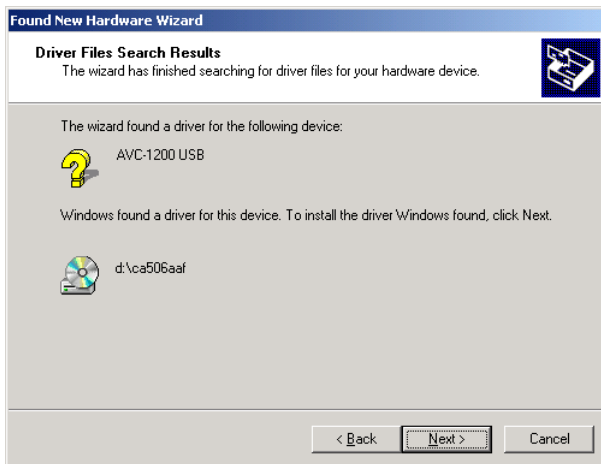


4 Select *only* CD-ROM drives, then click Next.



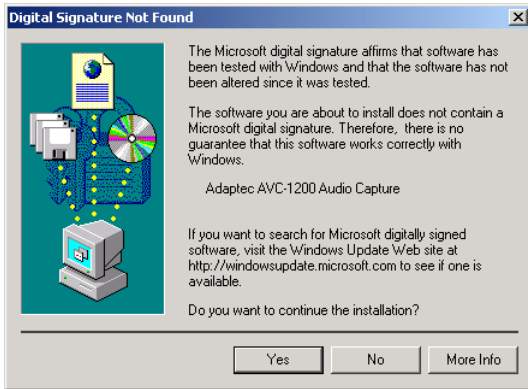
Windows locates a driver file.

5 Click Next.



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

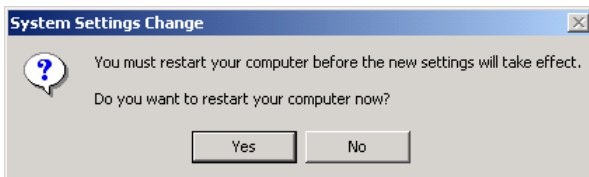
6 Click **Yes**.



7 Click **Finish**.



8 Click **No**.



The Found New Hardware Wizard appears.

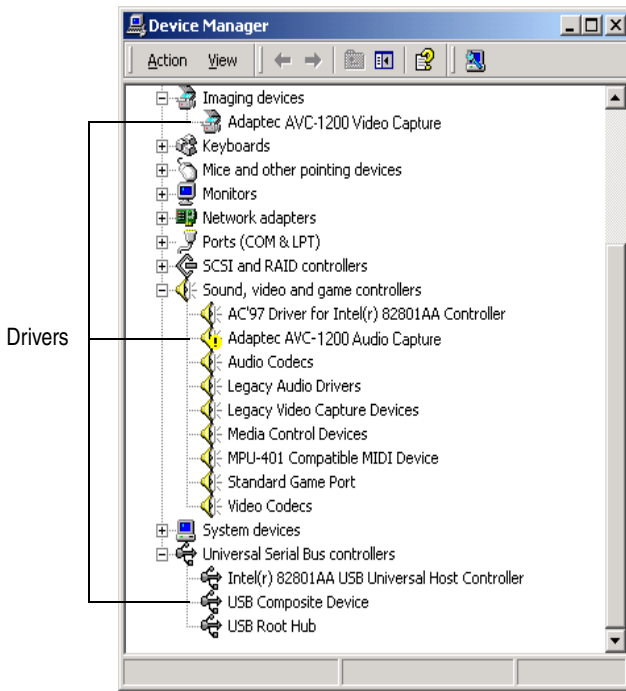
- 9 Repeat [Step 2](#) through [Step 7](#) to complete the installation.
- 10 When the installation is complete, restart your computer.

Double-Checking Driver Installation

To ensure that the driver has installed properly on your Windows 2000 system:

- 1 On your desktop, right-click **My Computer** then select **Properties**.
- 2 Select the **Hardware** tab.
- 3 Click **Device Manager**, then:
 - Click **Imaging devices**. Adaptec AVC-1200 Video Capture should be listed.
 - Click **Sound, video, and game controllers**. Adaptec AVC-1200 Audio Capture should be listed.

- Click **Universal Serial Bus controllers**. USB Composite Device should be listed.



If any or all of these drivers don't appear, refer to [Troubleshooting Your AVC-1200](#) on page 32.

Windows Me

When you plug in your AVC-1200, Windows Me automatically detects it and opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

During the installation process, the Video Capture driver is installed first and the Audio Capture driver is installed next. To ensure that all drivers are installed properly, follow the instructions provided in [Double-Checking Driver Installation](#) on page 17.

To install the drivers:

- 1 Insert the CD from your VideOh! CD kit into your CD-ROM drive.

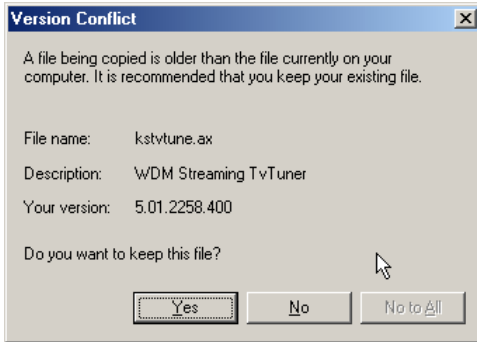


Note: If the VideOh! software installation screen appears, exit this screen until driver installation is complete.

- 2 In the Found New Hardware Wizard, click **Next**.
- 3 Select **Automatic search...**, then click **Next**.



- 4 Your computer may generate up to four Version Conflict messages in a row. (This is common, especially if you have previously installed these drivers on your computer.) If a Version Conflict message appears, click **Yes** to continue with the installation.



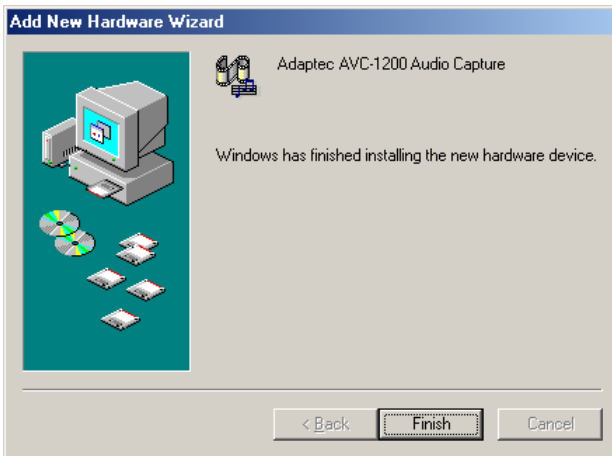
- 5 Click **Finish**.



The Found New Hardware Wizard appears.

- 6 Click **Next**.

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

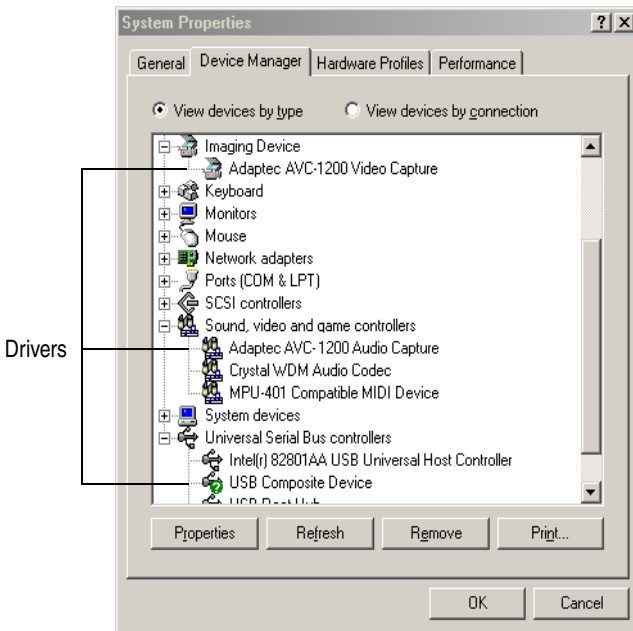


Double-Checking Driver Installation

To ensure that the driver has installed properly on your Windows Me system:

- 1 On your desktop, double-click **My Computer**, double-click **Control Panel**, then double-click **System**. The System Properties window opens.
- 2 Select the **Device Manager** tab, select **View devices by type**, then:
 - Click **Imaging Device**. Adaptec AVC-1200 Video Capture should be listed.
 - Click **Sound, video, and game controllers**. Adaptec AVC-1200 Audio Capture should be listed.

- Click **Universal Serial Bus controllers**. USB Composite Device should be listed.



If any or all of these drivers don't appear, refer to [Troubleshooting Your AVC-1200](#) on page 32.

Windows 98SE

When you plug in your AVC-1200, Windows 98SE automatically detects it and opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

During the installation process, the Composite Device driver is installed first, the Audio Capture driver is installed next, and the Video Capture driver is installed last. To ensure that all drivers are installed properly, follow the instructions provided in [Double-Checking Driver Installation](#) on page 22.



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

To install the drivers:

- 1 Insert the CD from your VideOh! CD kit into your CD-ROM drive.



Note: If the VideOh! software installation screen appears, exit this screen until driver installation is complete.

- 2 In the Found New Hardware Wizard, click **Next**.
- 3 Select **Search for best driver...**, then click **Next**.



4 Select *only* CD-ROM drive, then click Next.



5 Click Next.



Note: The drive letter for your CD-ROM drive may be different than the one shown in the example above. Also, as you repeat the installation procedure for the other two drivers, driver filenames different from the one shown above will appear.

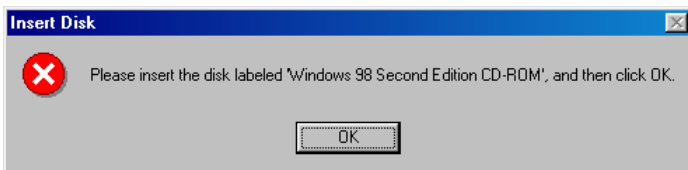
6 Click **Finish**.



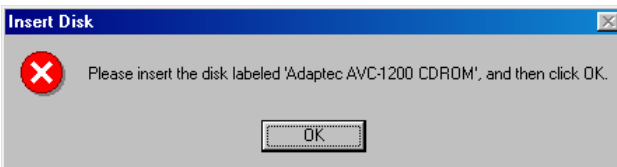
The Found New Hardware Wizard appears.

7 Repeat [Step 2](#) through [Step 5](#).

8 Insert your Windows 98SE CD, then click **OK**.



9 Insert your VideOh! CD, then click **OK**.



10 Click **Finish**.

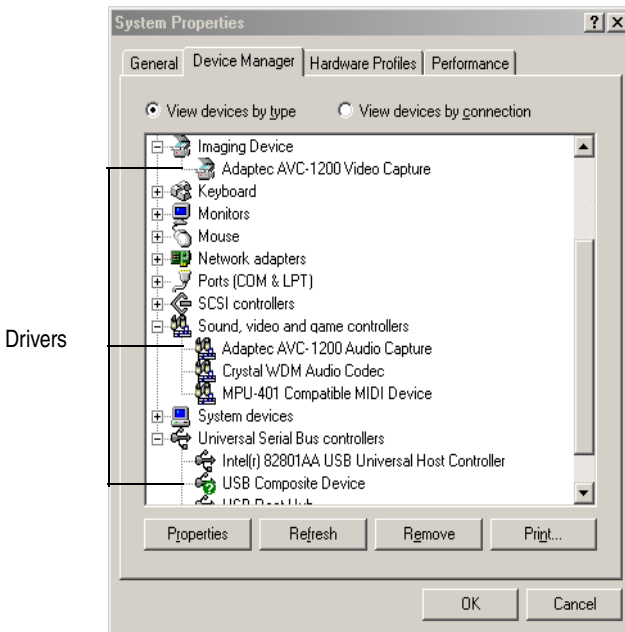
The Found New Hardware Wizard appears.

11 Repeat [Step 2](#) through [Step 6](#) to complete the installation.

Double-Checking Driver Installation

To ensure that the driver has installed properly on your Windows 98SE system:

- 1 On your desktop, double-click **My Computer**, double-click **Control Panel**, then double-click **System**. The System Properties window opens.
- 2 Select the **Device Manager** tab, select **View devices by type**, then:
 - Click **Imaging Device**. Adaptec AVC-1200 Video Capture should be listed.
 - Click **Sound, video, and game controllers**. Adaptec AVC-1200 Audio Capture should be listed.
 - Click **Universal Serial Bus controllers**. USB Composite Device should be listed.



If any or all of these drivers don't appear, refer to [Troubleshooting Your AVC-1200](#) on page 32.

Installing the VideOh! CD Software

To install Sonic MyDVD:

- Insert the CD from your VideOh! CD kit into your CD-ROM drive and follow the on-screen instructions.
- If the CD is already in your CD-ROM drive, reinsert it to activate the software installation screen.

Using Your VideOh! CD

Your VideOh! CD package includes software tools to help you capture your videos in digital format, edit them, and create VCDs or DVDs.

- Use Sonic MyDVD to transfer your videos onto your computer in digital format. See [Creating A Video Project With MyDVD on page 24](#) for detailed instructions for using this application.
- Use MyDVD to create VCDs or DVDs. MyDVD helps you organize your digital videos, and add backgrounds and a menu navigation system.

Refer to the online documentation included with MyDVD and the video editing tool for help using this software application.

- MyDVD has a video editing tool that can edit your digital videos and add music, transitions, and titles.



Note: The digital video editing features of MyDVD are only supported with the Windows 2000 and XP operating systems.

Refer to the online documentation included with MyDVD and the video editing tool for help using this software application.

Creating A Video Project With MyDVD

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

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-1200 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.

Capturing Your Video

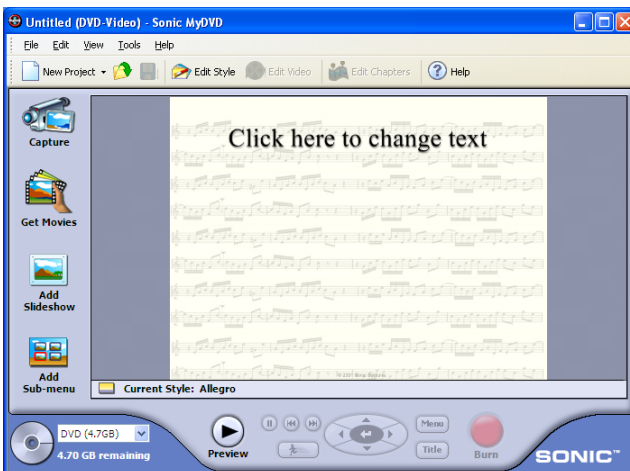
To successfully capture your video, make sure you complete each step in the order given.

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

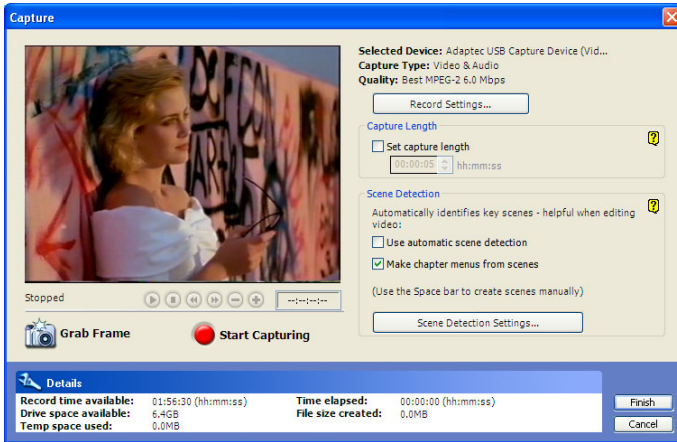


Click here for more information

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



- 3 On the Main project window, click **Capture**. The Capture window appears.



- 4 Press the **Play** button on your analog video device. The video image appears in the Capture window.
- 5 To begin transferring your video to your computer, click **Start Capturing**.

MyDVD captures your video, including the audio.



Note: Although you won't hear the audio portion of your video during capture, MyDVD captures both audio and video. The video may appear shaky during capture but will play normally on the finished DVD or CD.



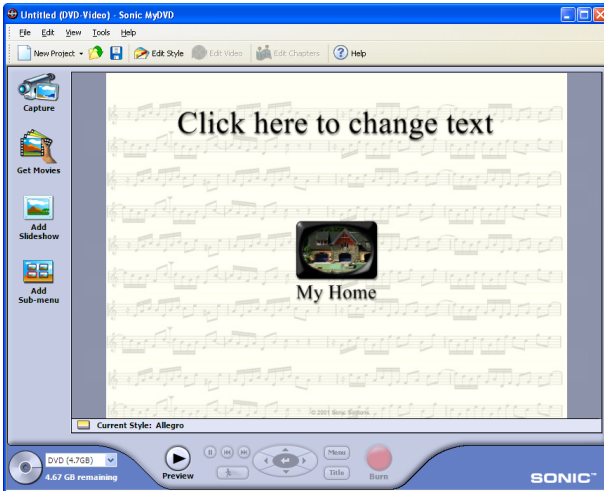
Note: If you get any error messages at this point in your video capturing, stop your analog video device and see [Need Help Capturing Your Video?](#) on page 32.

- 6 When you want to stop transferring your video to your computer, click **Stop Capturing**, then stop or pause your analog video device.

7 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 **Finish**.

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.

Editing Your Video

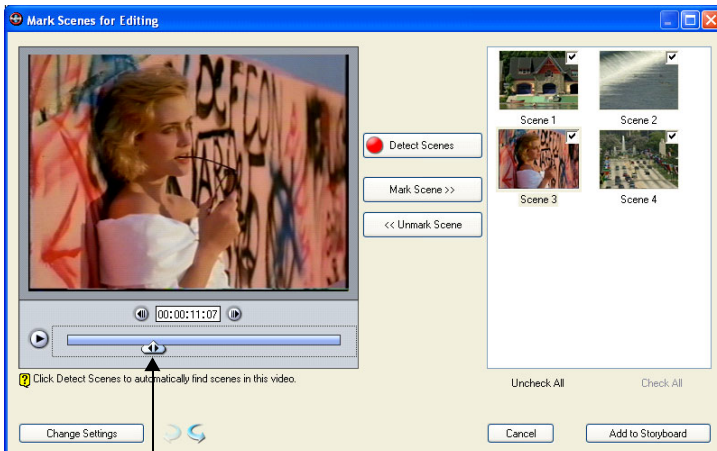
Now that you've captured some video footage, you can give your video more impact by trimming it and adding transitions, effects, and titles. See [Editing Your Video with Windows XP or Windows 2000 on page 28](#) for instructions.

If you are using the Windows Me or 98SE operating systems, after 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. See [Trimming Your Video with Windows Me or Windows 98SE on page 31](#) for instructions.

Editing Your Video with Windows XP or Windows 2000

To begin editing your video:

- 1 From the Main project window, double-click the thumbnail for the video clip you want to edit.
- 2 If you want MyDVD to help you break your video into scenes for easy editing, click **Yes** when prompted. The Mark Scenes for Editing window opens. (Click **No** to go directly to the Edit window. See [page 29](#).)

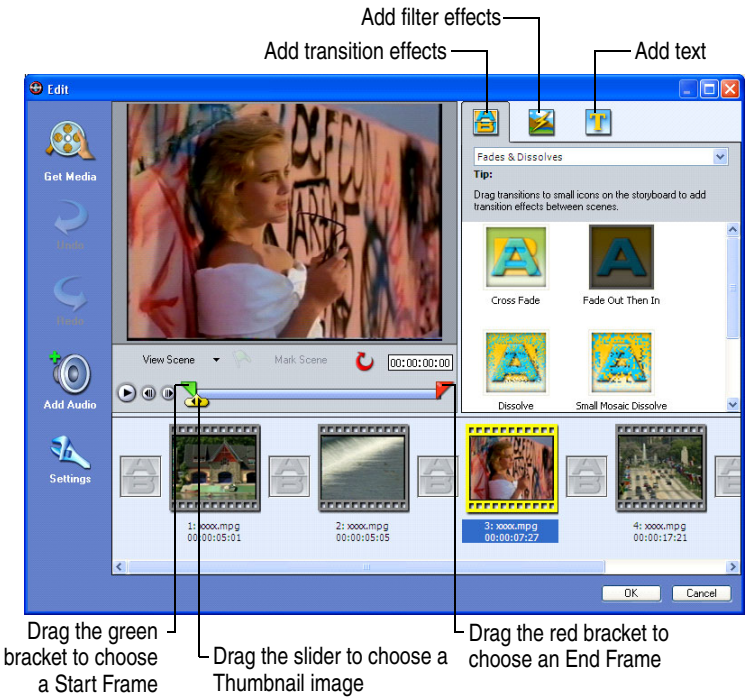


Drag the slider to move through your video

- 3 Click **Detect Scenes** if you want MyDVD to automatically find scene breaks, or use the **Mark Scene** button to add your own scene breaks.
- 4 Click **Add to Storyboard** when you have marked all your scenes.

The Edit window opens, as shown below.

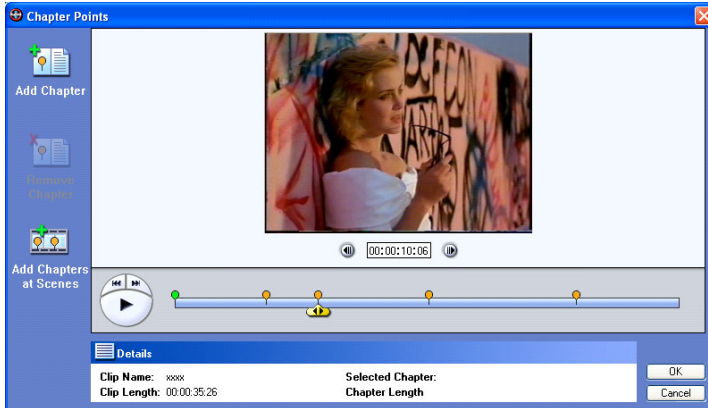
In the Edit window, you can trim, merge, or split scenes, rearrange scenes and add or remove video and still images, and add special effects like transitions and titles.



- 5 Edit your video as desired, then click **OK** to save the changes.

- 6 To create chapters on your DVD, in the Main project window, right-click the thumbnail for the video clip you want, then click **Add/Edit Chapters**.

The Chapter Points window opens.



- 7 Use the playback controls to preview your video, and click **Add Chapter** to create chapter points where you want them. You can also move existing chapter points by dragging their markers.
- 8 Click **OK** to save your chapter points.

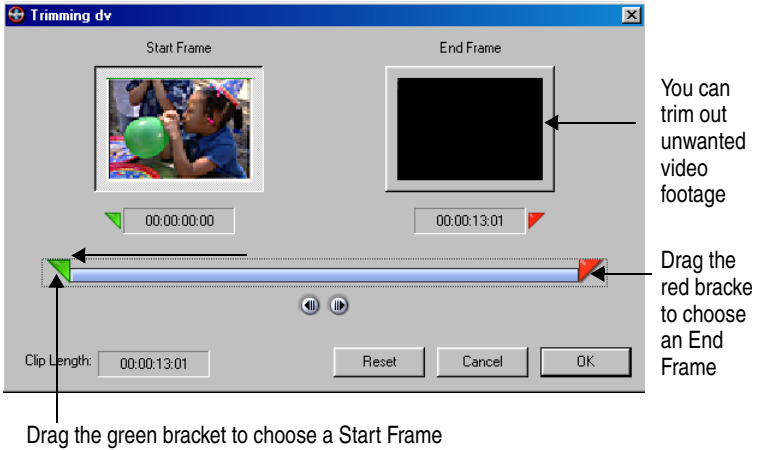


Note: For more advanced editing functions, refer to MyDVD online Help.

Trimming Your Video with Windows Me or Windows 98SE

To begin trimming your video:

- 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.

Getting Help

Registering Your AVC-1200

To ensure your eligibility for support and upgrades, and to qualify for future promotions, please register your AVC-1200 on the Adaptec website at register.adaptec.com.

Troubleshooting Your AVC-1200

If you encounter difficulties installing or using your AVC-1200, follow these suggestions:

- Ensure that your analog video device is connected, powered on, and set up to provide a video signal to the AVC-1200.
- Double-check all cable connections.
- Try connecting to a different USB port on your system.
- If your AVC-1200 is connected to a USB hub, try connecting it directly to a system USB port. (Adaptec *highly* recommends that you connect directly to your computer, and not through a USB hub.)
- Ensure that the AVC-1200 is connected properly and that the drivers have installed correctly. (See [Installing the Drivers on page 6](#) for detailed instructions.)

Need Help Capturing Your Video?



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 may stop 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 page 26](#)) and under Record Settings, click **Change**. Make sure **Adaptec AVC-1200 Video Capture** 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
Video Capture Format	Compressed AVI
Bit Rate	Variable within the DVD Specification
Video Standards	NTSC and PAL VCD MPEG1 (352 x 240 NTSC/352 x 288 PAL) Frame Rates: 29.97 NTSC and 25 fps PAL
Audio Inputs	left, right RCA with included Y cable
PC Interface	USB 1.1, or USB 2.0 at 1.1 speed
Form Factor	2.8" (L) x 4.0" (W) x 0.9" (H)
Power	Supplied by USB
Regulatory Certifications	FCC Class B, CE Class B (See page vii for more information.)



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