
ATI Multimedia Center

User's Guide

Version 3.0

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Using Your ATI Multimedia Center

This chapter explains how to use the special features that your ATI Multimedia Center has to offer.

The Multimedia Center is a suite of products that provides Television, Video Editing, CD Audio, DVD, and Video CD in one package.

Because North American and European television use different broadcast standards, closed-captioning and related features are available only in North America, and Television audio is monaural-only in Europe.



IN THIS CHAPTER...


- **Starting ATI Multimedia Center** on page 6
- **Television** on page 8
- **Capturing Video and still images** on page 33
- **Stills Gallery** on page 39
- **Digital VCR** on page 36
- **Video Editor** on page 41
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- **Video CD** on page 47
- **DVD** on page 55
- **Schedule** on page 66

Starting ATI Multimedia Center

Starting from LaunchPad





The LaunchPad provides a convenient way to start all your Multimedia Center features — just click the feature you want. LaunchPad opens automatically when you start your computer, or if you prefer, you can right-click LaunchPad, and uncheck **Load on Startup** in the drop-down menu.

To dock LaunchPad, right-click it, then click **Dock** in the menu. To change the docking position, right-click LaunchPad while it is docked, point to **Side** , then choose a location.

The buttons in the upper right of LaunchPad let you access your desktop settings, get Help, and close LaunchPad.

Starting from Windows[®] taskbar

In Windows[®] 95 / Windows[®] 98

- 1** In the Windows taskbar, click **Start**.
- 2** Point at **Programs** .
- 3** Point at **ATI Multimedia** .
- 4** Click **Television**, **Video Editor**, **CD Audio**, **DVD**, or **Video CD**.

For information about using the ATI Multimedia Center features, see the online help.

Attaching and Detaching Panels

You can detach the Television, Video Editor, DVD, and Video CD control panels from their display panels, move them to any location on your screen, and re-attach them.

To detach a panel

Move the cursor to the border of the panel you want to detach. As the cursor reaches the border, it changes to the detach symbol. Click the panel, and drag it away.

To attach a panel

Drag a panel to the panel you want to attach until its outline changes, then release the mouse button. The panels will snap back together.

Online Help



Feature Help. Click the Help button in any control panel to open the online help.

F1

Context-Sensitive Help. Context-sensitive help is always available for each feature; just press the F1 key.



Bubble Help. Simply move the mouse cursor over a control to see a description of its purpose. As you become familiar with your ATI Multimedia Center, you may want to turn off help — click the **Show Tool Tip** checkbox in the **Display** tab (for more information, see [Television display settings](#) on page 12)



ATI Desktop Help. For help on your ATI video card's graphics features, double-click the ATI icon in the lower-right corner of your screen.

Television

NOTE

All channels may not be available in all countries.

TV audio is monaural-only in Europe

Watch Television on your computer! You can receive up to 125 cable television channels and 70 antenna channels in smooth, full-motion video on the whole screen or in a window. Television delivers advanced features: Closed Captioning, Instant Replay, Video/Still Capture, Channel Surfing, Scheduled Events, Program Lockout, and more.



When you click the logo in the upper left corner of the display panel, the “About...” notice appears. If you have more than one feature installed, a Task menu displays available and active features. The Schedule feature lets you record TV programs on dates and times you specify (see [Schedule](#) on page 66.)

To start Television




from LaunchPad

Click **Television** in the Launchpad. For information on LaunchPad, see page 6

from Windows® 95 / Windows® 98 taskbar

- 1 In the Windows taskbar, click **Start**, then point at **Programs**.
- 2 Point at **ATI Multimedia**, then click **Television**.

 You can also start Television from other Multimedia Center features installed on your system—Video Editor, CD Audio, DVD, and Video CD. Click the ATI logo in the upper left corner of the feature’s control panel, then click **Television**.

If there is no TV tuner in your computer system, a small control panel with controls for composite and S-Video inputs is available for capturing video from external video sources.



For information about using TV controls, see the online help and Tool Tips.

Setting up Television

The Television First Run Wizard guides you quickly and easily through setting up your Television. Perform these simple steps to set up the Television.

Setup using the First Run Wizard



Click the Setup button, then click the **Display** tab.

Click the **Initialization** button to open the First Run Wizard. Check the features you want (point your mouse at the checkboxes to see what each one does). The Wizard will help you set up your display, TV channels, audio, video capture, and Instant Replay.

You can change these settings at any time; for detailed information, see:

- [Television display settings](#) on page 12
- [TV Tuner settings](#) on page 18
- [Capturing Video and still images](#) on page 33
- [Instant Replay](#) on page 24

Setup without the First Run Wizard

Choose antenna or cable



Click the Setup button in the Television control panel, then click the **Tuner** tab.

In the **Global Standard** box, click the TV broadcast format.

Set up the audio

Select the sound card connector used for TV audio input:



Click the Setup button in the Television control panel, then click the **Display** tab.

Click the **Initialization** button, then click the **Next** button three times to open the TV Sound Initialization Wizard.

Click the audio input that matches the connection between your ATI card and your sound card.

Scan for available channels



Click the Setup button, then click the **Tuner** tab.

Click the **AutoScan** button.

Television scans for all available channels and stores them when you click the **OK** button. When scanning is complete, you can type a name for each channel in the **Channel Name** box.

Sizing the Television display



You can resize the Television display using the mouse, the Maximize button, or CTRL key combination:

Increase size of display panel	CTRL + Up Arrow
Decrease size of display panel	CTRL + Down Arrow
Play full-screen	CTRL + F

The F2 key hides/shows the control panel, to save desktop space.

You can also use the CTRL key to display these preset sizes:

160 x120 pixels	CTRL+1
240 x180 pixels	CTRL+2
320 x240 pixels	CTRL+3
640 x480 pixels	CTRL+4
Toggle between full screen and current size	CTRL+F ALT+F

Television display settings

The Display settings page lets you control how video is displayed in Television.

To open the Display settings page



Click the Setup button in the Television control panel, then click the **Display** tab.

Screen Size	Indicates the sizes available for the current panel. If the current panel does not support resizing, the values are greyed-out.
Tool Tips	Show Tool Tip Show helpful aids for using Television when you point at a control with your mouse. Show Shortcut Show keyboard shortcuts when you point at a control with your mouse.
Display Feature	Video Desktop When Television is minimized, TV display replaces your desktop pattern. Fixed Aspect Ratio Click to preserve the width-to-height ratio when you resize or zoom the display. Always On Top Display Television on top of other applications.
Hide Player Hotkey	Specify a keyboard key that hides/displays Television.
Initialization	Re-runs the First Run Wizard. When you first start Television, the First Run Wizard guides you through setting up Display Feature , Tool Tips , Hide Player Hotkey , choosing cable or antenna input, Autoscanning (see TV Tuner settings on page 18), audio input, video capture, and Instant Replay. If your computer uses a Pentium® III processor or a Pentium® processor with MMX technology, real-time MPEG encoding may be available. See Real-time MPEG encoding on page 13, and video capture formats on page 33.

Real-time MPEG encoding

If your computer uses a Pentium® III processor or a Pentium® processor with MMX technology, you may be able to capture video and save it in MPEG format, in real time. See [video capture formats](#) on page 33.


When you run the First Run Wizard (see **Initialization** in [Television display settings](#) on page 12), the TV Video Capture Initialization Wizard provides MPEG-1 and MPEG-2 formats. Four, pre-set MPEG recording configurations are available, and you can customize video and audio settings for your particular purposes.

To customize MPEG recording settings

- 1** In the Digital VCR Settings page (see [Digital VCR Custom Settings](#) on page 38), click **Custom**, then click the **Set** button.
The Custom Settings page opens.
- 2** In the **Format** list, click **Capture in MPEG-1 format** or **Capture in MPEG-2** format.
- 3** Click the **MPEG Settings** button.
The MPEG Properties Settings Wizard opens.
- 4** Follow the steps in the MPEG Properties Settings Wizard to customize Frame Sequence, Video Bit Rate, Motion Estimate Performance, Picture Properties, and Audio Format.

Achieving the best results with MPEG video capture

To access MPEG properties

- 1 Click the setup button  in the Television control panel.
- 2 Click the **Digital VCR** tab.
- 3 In Recording Quality, click **Custom**, then click the **Set** button.
- 4 Choose MPEG-1 or MPEG-2, then click the **...MPEG Settings** button.
MPEG Properties Setting Page 1 appears.
- 5 Set **Frame Rate** to **29.97** (standard) or **24** (for slower systems).

To select I-frame-only MPEG capture

This uses less CPU but requires 2 to 3 times the bit-rate, which produces larger files.

- Set **Frames in Group** to **1**.
- Click **I frame only**.

To select I, B, P frame MPEG capture

This uses more CPU but greatly reduces the bit-rate required to achieve good quality video. Ensure that **I frame only** is not checked, and click **Next** to go to page 2

- Set **Frames in Group** to **15**.
- Set **Frames in Subgroup** to **3**.

Click **Next >** to go to **MPEG Properties Setting Page 3**.

To achieve full 29.97 frames/second capture performance in MPEG-1 or MPEG-2 format, we recommend the following settings (*ranges* are given, as some video compresses better than others, depending on the amount of rapid motion and the number of complex scenes).

Video Format	IBP Frames (Mbps)	Minimum CPU Required	I-Frame Only (Mbps)	Minimum CPU Required
176x144 QCIF	0.8-1.2	P200-MMX	1.2-2.0	P166-MMX
352x240 CIF	1.2-2.0	PII-300	3.2-4.0	P200-MMX
352x480 Half-D1	2.0-3.2	PII-400	3.0-6.0	PII-350
640x480	3.2-4.0	PIII-450	4.0-8.0	PII-350
720x480 D1	3.2-5.0	PIII-500	5.0-8.0	PII-400

Mbps = Megabits per second, or millions of bits per second.
 1 Mbps is approximately 125Kbytes/second.

- The motion estimation slider can be used to control the quality of the video – a high setting (15 or more) uses more CPU, but provides better quality video. A low setting (5 or less) speeds up encoding, but produces lower quality video at a given bit-rate.
- The above bit-rate settings are based on a motion estimation setting of 10.
- If your system is not capable of achieving smooth-looking video at 29.97, try the following:
 - Capture I frames only.
 - Capture at 24 fps.
 - Capture using a smaller frame size.
 - Capture video only, with no audio.
- MPEG-2 is best suited for Digital VCR use.
- MPEG-1 is suitable for video editing using Videowave™ II.

Click **NEXT >** to go to **MPEG Properties Setting Page 4**.

- For *standard* quality audio in **mono**, use **56kbps**.
For *standard* quality audio in **stereo**, use **160kbps**.
- For *high* quality audio in **mono**, use **128kbps**.
For *high* quality audio in **stereo**, use **224kbps**.

Television video settings

The video settings page lets you choose a video connector, fine-tune video characteristics, and set up for captured video (see [Capturing Video and still images](#) on page 33).

To open the Video settings page



Click the Setup button in the Television control panel, then click the **Video** tab.

Connector	Choose cable, composite or S-Video input.
Standard	Choose the broadcast standard: NTSC, PAL, or SECAM.
About Driver	Displays a current configuration dialog box.
Video Capture	Interlaced Captures both fields of an interlaced image. Some blurring may be visible in objects that are rapidly moving sideways, and in scrolling text.
	Both Fields Captures both fields of an interlaced image and displays them one after the other, to produce video at double the normal refresh rate.
	One Field Captures one field of an interlaced image.
Color Temperature	Warm Accentuates the red end of the spectrum. Useful for enhancing or correcting skin tones.
	Cool Accentuates the blue end of the spectrum. Use to correct an image that is too "hot".
Color	Adjusts the amount of color in the display.
Brightness	Adjusts the amount of white in the display.
Contrast	Adjusts the gradation of tone between highlights, midtones, and shadows.
Tint	Adjusts the balance of red to blue.
Capture Still 640x480	Capture still images at 640x480 pixels.

TV Tuner settings

The tuner settings page lets you autoscans for active TV channels, choose cable or antenna input, name channels, and set channel-specific options.

To open the Tuner settings page



Click the Setup button in the Television control panel, then click the **TV Tuner** tab.

Autoscan	Click to scan for all available channels and store them when you click the OK button. When scanning is complete, you can type a name for each channel in the Channel Name box.
Global Standard	Select the country and cable/antenna input.
Channel Name	Type the channel name; the name will appear in the Television control panel when that channel is active. (You can also type the name directly into the control panel; press Enter to confirm).
Details...	Select a channel, then click the Details... button to open the Channel Property Details page (see Channel Property Details on page 19).

Channel Property Details

When you select a channel and then click the **Details...** button in the TV Tuner settings page, the Channel Property Details page opens to let you set properties for particular channels—favorites list, channel assignment, and properties for audio, video, program lockout, and closed captioning.

Channel Name	Type a name for the channel.
Channel Tunes to Station	Specify the TV station that is received when you tune to a particular channel. For example, you could assign the actual channel 5 to the Television's channel 2. Autoscanning returns all channel assignments to normal (see Scan for available channels on page 10).
Channel in Favorite List	Check to add the channel to the channels that Television receives when you click the channel up/down buttons).
Channel in Visual Selection List	Check to add the channel to the Visual Selection list (see Visual Channel Selection ("Channel Surfing") on page 21).
Channel Specific Settings	<p>Audio Click Audio, then click Details... to open the Sound details page.</p> <p>Mute Settings</p> <p>Global Mutes all channels.</p> <p>Mute On Mutes selected channel.</p> <p>Mute Off Cancels all muting.</p> <p>Reset Restores previous settings.</p> <p>SAP Settings see Secondary Audio Program (SAP) on page 29.</p> <p>Global Activates SAP for all channels that provide it.</p> <p>Stereo Activate stereo audio for this channel, if it provides it.</p> <p>Mono Activates monaural audio for this channel.</p> <p>SAP Activates SAP for this channel.</p>

**Channel
Specific
Settings****Video**

Click **Video**, then click **Details...** to open the Channel Based Video Settings page.

Color Setting

Click **Warm** or **Cool**

Video Capture

Click **Interlaced**, **Both Fields**, or **One Field**.

Broadcast Standard

Choose the broadcast standard for this channel.

Video Properties

Adjust the color, brightness, contrast, and tint for this channel.

Program Lockout

Click **Program Lockout**, then click **Details...** to open the Program Lockout page.

Set program lockout for this channel (see [Program Lockout](#) on page 31 for details).

Closed Captioning

Click **Closed Captioning**, then click **Details...** to open the **Closed Captioning Channel Setting** page.

Set up closed captioning for this channel (see [Television Closed Caption settings](#) on page 22 for details).

Television Schedule settings

You can schedule Television to play on the dates and times you specify. You can also schedule events for CD Audio, TV Magazine, Video CD, and Video Capture.

To open the Television Schedule settings page



Click the Setup button in the Television control panel, then click the **Schedule** tab. The Schedule Wizard will guide you through creating new scheduled events. See [Schedule](#) on page 66 for details.

Visual Channel Selection (“Channel Surfing”)

You can browse through several TV channels simultaneously, and select channels by clicking on “thumbnail” images (miniature representations) of the channels. Each thumbnail displays the channel number, and is regularly updated to display the current program.

- If any channel in the selection list is a locked-out channel (see [Program Lockout](#) on page 31), a password is required to access it. If a password is not entered, only unlocked channels are displayed.
- After an autoscan (see [Scan for available channels](#) on page 10), all detected channels are included in the selection list. A magnifying glass appears to the left of the lock-out icon. Click the magnifying glass button to add or remove the channel from the selection list.
- Most controls are disabled during Visual Channel Selection.

To use Visual Channel Selection

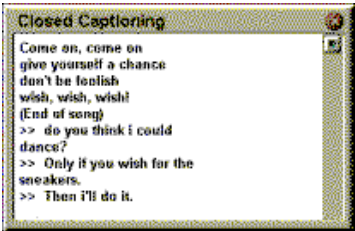


- 1** Click the Visual Channel Selection button in the Television control panel.
A grid of thumbnails appears over your TV display.
- 2** Click the thumbnail for the channel you want to preview.
The channel you clicked becomes “live”, and plays video and audio for a few seconds.
- 3** To select a channel for viewing, double-click a thumbnail.
The grid of thumbnails disappears, and the selected channel appears on your screen.

Television Closed Captioning

North
American
feature

Display closed captioned text over video, like a standard TV, and in a separate window beside the video. When you use the separate window, you can use the scroll bar to review the last few minutes of text. You can set the background color, the font, and the font color for the window.



Television Closed Caption settings

The Closed Caption settings page lets you specify how closed captioned text is displayed—over video or in a window—and the background color, the font, and the font color for the window. You can also set up and enable the HotWords and TV Magazine features.

To set up closed captioning



Click the Setup button in the Television control panel, then click the **Closed Caption** tab.

Placement	External Window
	Displays closed captioned text in its own window. Click Font... to select the display font.
	Video Window
	Displays closed captioned text superimposed on the video. Click Font... to select the display font.
	Solid Background
HotWords	Displays closed captioned text on a solid background.
	Shaded Background
	Displays closed captioned text on a shaded background.
	Enable
	Check to enable HotWords when Closed Captioning is on (see HotWords™ on page 25).
HotWords Setup	HotWords Setup
	Opens the HotWords settings page.

TV Magazine	Enable Activates TV Magazine (see TV Magazine on page 27.) TV Magazine Setup Opens the TV Magazine Setup Wizard.
Closed Caption On Mute	Display closed captioned text when the audio is muted.
Show Alternate Text If Present	If T1 mode closed captioned data is present in the caption stream, checking this box displays a full page of T1 mode, scrollable, closed captioned text. If you turn off Closed Captioning or change channels, the page is hidden.

Instant Replay

Instant Replay lets you replay live video, with a delay that you specify, while you watch TV. You can pause and restart

capture, search and play captured video, and capture still frames from the Instant Replay panel.

Move the delay slider left to decrease delay time. Move it right to increase delay time. You set the delay time in the First Run Wizard (see [Setup using the First Run Wizard](#) on page 9.)



NOTE

If your display is set to 32bpp, Instant Replay may not work correctly.

To start Instant Replay



Click the Instant Replay button in the Television control panel.

To display or hide the Instant Replay panel

Right-click the Instant Replay button, then click **Show Window** in the drop-down menu.

To capture still images from the Instant Replay panel



You can capture still frames when Instant Replay is not recording. Play or pause Instant Replay.



Click the camera button in the Instant Replay panel. The image is saved in the Stills Gallery (see [Stills Gallery](#) on page 39).

To set the display size

Right-click the Instant Replay display panel, then click the display size you want in the menu.

To close Instant Replay



Click the Exit button in the upper right corner of the panel.

HotWords™

*North
American
feature*

Have your computer watch TV for you! When you turn on Closed Captioning, you can specify words and phrases that Television will detect in the closed-captioned text. You set Hot Words to show the matched text, restore Television, play a sound, enable TV Magazine, or enable the Digital VCR when the Hot Words appear. You can enable HotWords, and then minimize Television; when the specified words occur, Television opens. You specify words using the Hot Words setup button in the Closed Caption settings page.

To set up HotWords



Click the Setup button in the Television control panel, click **Closed Caption**, then click the **HotWords Setup** button. The HotWords Setup Wizard opens.

To enable HotWords, check the **Enable** box. The HotWords Setup Wizard will guide you through HotWords setup.

First Word	Type the first word to be matched.
Match Type	<p>Choose the type of match you want:</p> <ul style="list-style-type: none"> • By Itself Notify when the First Word occurs. • Followed by Notify when the First Word occurs, and is immediately followed by the Optional Word you specify. • Not Followed By Notify when the First Word occurs, if it is <u>not</u> immediately followed by the Optional Word. • In Sentence With Notify when the First Word occurs, if it is in a sentence with the Optional Word.
Optional Word	Type the word you want to match with the First Word. When you specify an Optional Word, the system only looks for the First Word+Optional Word combination.
Partial	Check this box to notify when a <u>part</u> of the First Word occurs.

Use the **Add** and **Remove** buttons to add and remove words from the list.

Actions to take when your HotWords occur.	Show Matched Text Displays the text that matches your Hot Word(s). Restore Player Opens Television in its current state.
Recording	Enable TV Magazine Activates TV Magazine (see TV Magazine on page 27). Enable Digital VCR Activates the Digital VCR (see Digital VCR on page 36).

TV Magazine

North
American
feature

Use TV Magazine to transcribe closed captioned broadcasting, including pictures and text. You can save files as RTF (Rich Text Format), which preserves formatting, and can be used in many word processors, plain text (TXT), or Hypertext Markup Language (HTML). You can use the Schedule feature to start TV Magazine at dates and times you specify (see [Schedule](#) on page 66).

To start TV Magazine



Click the Setup button in the Television control panel, click **Closed Caption**, then click **TV Magazine Setup** button.

To enable TV Magazine, check the **Enable** box. The TV Magazine Setup Wizard will guide you through HotWords setup.

File Name	Type a name for the file.
File Format	Select a file format (RTF, TXT, or HTML).
Options	<p>Overwrite files Check to overwrite existing files. Uncheck to keep existing files.</p> <p>Remove Advertising Automatically skips commercial advertising when you display or transcribe closed-captioned text. It works best with programs that use scrolling transcripts rather than “text bubbles” to record closed-captioned text; for example: Talk shows, News broadcasts, Sports, and Soap operas.</p> <p>(Depending upon the closed-captioning format, commercials may occasionally be recorded—a little experimentation will show you how to get the best results.)</p> <p>Case Conversion Convert all characters to upper or lower case.</p>
Stop Transcribing After	Specify the number of minutes to transcribe.

**Select
Layout**

No image

No images are saved.

Images on Left

Images are placed on the left, text on the right.

Images on Right

Images are placed on the right, text on the left.

Alternate images

Images and text alternate left and right.

Use black & white pictures

Save images as black & white, to save disk space.

Image Density

1/page

2/page

4/page

Secondary Audio Program (SAP)

NOTE

Not all television stations broadcast stereo or SAP.

The Secondary Audio Program can be used to broadcast, for example, language translations, reading services for the visually impaired, weather forecasts, or information about a show.

SAP is not available in European or Japanese versions of Television, and TV audio is mono-only in Europe.

To hear the Secondary Audio Program



Right-click the Mute button in the Television control panel, and click SAP in the drop-down menu.

You can also use the menu to:

- Turn on captions when the audio is muted.
- Switch from stereo to mono.
- Play both SAP and regular audio simultaneously (TV audio on the left, SAP audio on the right).

Zooming and unzooming

To select and enlarge a portion of the display

- 1 Click within the display panel.
- 2 Hold down the mouse button and draw a rectangle around the area you want to zoom.



To return your display to normal, click the **Unzoom** button in the control panel.



- For MPEG files, Zoom/Unzoom is only available with ATI VIDEO EXPRESSION, 3D RAGE, 3D RAGE PRO, and later boards; it is not available on older, GX-based and CT-based *mach64* boards.
- Zoom/Unzoom is not available when you play AVI files in Video CD.

Video Desktop

To replace your desktop pattern with live TV display when you minimize TV



Click the Setup button in the Television control panel, click the **Display** tab, then check **Video Desktop**.



When you minimize Television, live TV display replaces your desktop.



A TV icon appears in the “tray” on the



right side of the Windows[®] taskbar. Click the icon to display a small control panel that you can use to change channels and control the volume. Closed-captioned information is not displayed.

If you do not have a TV tuner, this control panel containing volume and mute controls is available.



To restore your desktop pattern and Television

Click the Television button in the Windows[®] taskbar.


Program Lockout

NOTE

If you forget your password, you must uninstall and reinstall your TV software to view password-protected programs.

Program Lockout lets you block particular programs at specific times, and set a password to unlock them. Use the Program Lockout page to specify channel, time, and duration. Note that passwords are *case-sensitive*. For example, **PASSWORD**, **Password**, and **passWord** are **not** the same.


To lock out a program

- 1  Click the Setup button in the Television control panel, then click the **Tuner** tab.
- 2 Click the channel you want, then click the **Details...** button.
- 3 Click **Program Lockout**, then click the **Details...** button.
- 4 Click **Create New**.
- 5 The Program Lockout Wizard guides you through the lockout procedure.



In the channel list, locked-out channels have a padlock to the right of the channel name.

To remove program lock


- 1  Click the Setup button in the Television control panel, then click the **Tuner** tab.
- 2 Click the channel you want to unlock, then click the **Details...** button.
- 3 Click **Program Lockout**, then click the **Details...** button.
- 4 Select the program you want to unlock.
- 5 Click the **Delete** button. To remove all program locks, click the **Delete All** button.
- 6 Click **OK**.

Parental Control

Parental Control lets you restrict access to TV programs depending on their content rating. The video and audio of programs that you restrict will be scrambled until the correct password is entered.

- Parental Control is only available for computer systems that have a TV tuner.
- Parental Control is only available for North American (NTSC) Television.
- The capture still frames feature is disabled for scrambled programs, and video capture records only scrambled material.

To use Parental Control

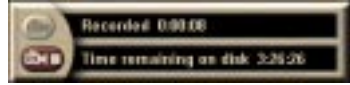
-  Click the Parental Control button in the Television control panel to display a menu of choices. The selected level is checkmarked.
- Click the level you want.
The Set Password dialog appears.
- Type your password in the upper box, then type it in the lower box to confirm it.

The following table summarizes the FCC guidelines for Parental Control.

Programs designed solely for children	
TV-Y	This program is designed to be appropriate for all children.
TV-Y7	This program is designed for children age 7 and above.
Programs designed for the entire audience	
TV-G	General audience.
TV-PG	Parental guidance suggested.
TV-14	Parents strongly cautioned.
TV-MA	Mature audience only.

Capturing Video and still images

Full-motion video. Capture a stream of full-motion video plus audio from your video source and save it as an .AVI file on your computer's hard disk. You also have the option of capturing only audio. See [Digital VCR](#) on page 36 for details.



NOTE
If the program is restricted by Parental Control, still capture is disabled (see [Parental Control on page 32.](#))

Still images. Capture full-color, 24-bit-per-pixel, still images from television, and MPEG clips (see [Video CD](#) on page 47), save them, and print them. The images are placed in the Stills Gallery, which saves them as Windows-standard bitmaps (.bmp) or a wide variety of standard formats.



The Stills Gallery also supports most industry-standard graphics file formats, so you can insert the images into reports, presentations, letters, and other documents, to add impact to training applications and presentations. See [Stills Gallery](#) on page 39 for details.

video capture formats

Your ATI graphics accelerator determines which video capture formats are available. The following table lists the ATI cards that support the Multimedia Center and the capture formats available with each.

Video Capture Formats Available	ATI Graphics Accelerator Card			
	ALL-IN-WONDER PRO	ALL-IN-WONDER 128	RAGE FURY PRO	TV WONDER
ATI Packed YUV data	✓	✓	✓	✓
YUV9 Planar (Indeo Raw)	✓	✓	✓	✓
YUV12 Planar (MPEG Raw)	✓	✓	✓	✓
ATI VCR1	✓	✓	✓	✓
ATI VCR2	✓	✓	✓	
MPEG-1		✓		✓
MPEG-2		✓		

Recording a stream of video and audio or stop-motion video from Television

NOTE

If the program is restricted by Parental Control, the recorded material is scrambled (see [Parental Control on page 32.](#))

To record a stream of video and audio



Right-click the Record button in the Television control panel, then click **Stream Capture** in the menu.

The Digital VCR starts recording video and audio to an .AVI file on your computer's hard disk.



To stop recording, click the Stop button in the Digital VCR. A Save As dialog opens, so you can name and save the captured video.

To record a sequence of still frames (stop-motion)



Right-click the Record button, in the Television control panel, then click **Sequence Capture** in the menu.

The Digital VCR opens, and prompts you to click the Record button. Each time you click the button, you capture a frame.



To stop recording, click the Stop button in the Digital VCR. A Save As dialog opens, so you can name and save the captured video.

To capture still frames from Television



Click the Camera button in the Television control panel. The current frame is placed in the Stills Gallery (see [Stills Gallery](#) on page 39).

To capture still frames from MPEG clips



Click the Camera button in the Video CD control panel (see [Video CD](#) on page 47). The current frame is placed in the Stills Gallery.

Compressing and saving captured video

The Digital VCR Custom Settings... page lets you compress your captured video and save it in several industry-standard formats (see [Digital VCR Custom Settings](#) on page 38). The quality of the video that you capture depends on the following conditions:

- speed of your system (CPU)
- amount of system memory (RAM)
- performance of your hard disk
- size of the video capture window
- Video codec (encoder-decoder) used

Editing captured video

*Some
third-party
editing
programs
can edit
MPEG
files.*

You can use the ATI Video Editor to edit your captured video (see [Video Editor](#) on page 41). Note that the Video Editor cannot edit MPEG-1 or MPEG-2 files.

Digital VCR

The Digital VCR provides simple controls and powerful capture options. You can capture a stream of video and audio or a sequence of still frames. It saves captured video and audio as standard .AVI files. The Schedule feature lets you record TV programs on the dates and times you specify (see [Schedule](#) on page 66).



For information about using the Stills Gallery controls, see the online help and Tool Tips.


To start the Digital VCR

When you capture a stream of video (see [To record a stream of video and audio](#) on page 34) or a sequence of still frames (see [To record a sequence of still frames \(stop-motion\)](#) on page 34) from Television, the Digital VCR opens automatically.

Digital VCR settings

Use the Digital VCR settings pages to specify recording quality, duration, general options, and custom settings.

To set up the Digital VCR

 Click the Setup button in the Television control panel, then click the **Digital VCR** tab.

Recording Quality	<p>Check Best Quality, Good Quality, Medium Quality, or Longest Time. (Note that the higher the quality, the less video you will be able to store on a disk).</p> <p>When you click Custom, and then click the Set button, the Custom Settings page opens. These settings provide very fine control of video and audio capture (see Digital VCR Custom Settings on page 38).</p>
Duration	<p>Specify the amount of time, in minutes, to record.</p>

Digital VCR Advanced Settings

Click the **Advanced** button in the Digital VCR page to open the Digital VCR Advanced Settings page.

General Options	Prompt before Recording Notify you before starting recording. Show in Minutes Show recording time in minutes.
Temporary Recording Files	Record to Drive Choose a drive to store captured video; the system displays the available space available at the current quality settings. Amount of free disk space to leave on the hard drive Move the slider to adjust the amount of free disk space.
Enable Pre-allocate file	To improve streaming capture, pre-allocate a capture file large enough to store an entire video clip, and defragment the file before capturing. Amount of disk space to use on the hard drive Move the slider to adjust the amount of disk space for the pre-allocate file.

Digital VCR Custom Settings

In the Digital VCR Settings page, click **Custom**, then click the **Set** button.

Capture Video

Check to capture video.

Format:

ATI Packed YUV Data

Produces the best quality, but uses the most memory.

YUV9 Planar (Indeo Raw)

YUV12 Planar (MPEG Raw)

ATI VCR 1.0 Requires a Pentium 166 or faster, and dramatically reduces required disk space.

ATI VCR 2.0 Uses on-the-fly compression to achieve up to 9:1 compression over YUV16, and requires an MMX or Pentium II class machine.

Capture in MPEG-1 Format (Available if your computer uses a Pentium® II or III processor or a Pentium® processor with MMX technology).

Capture in MPEG-2 format (Available if your computer uses a Pentium® II or III processor or a Pentium® processor with MMX technology).

Dimension

Choose the size at which to record video.

Frame Rate

Type a custom frame rate.

Capture Audio

Check to capture audio.

Format

Choose an audio format.

Limit Recording to

Enter a maximum recording time, in seconds.

To capture in MPEG format, click **Capture in MPEG-1 Format** or **Capture in MPEG-2 Format**, then click the **...MPEG Settings** button. For more information, see [Achieving the best results with MPEG video capture](#) on page 14, and [video capture formats](#) on page 33.

Stills Gallery

The still images you capture from Television, Instant Replay, or MPEG video are saved in the Stills Gallery. You can save images in a variety of graphics formats and sizes. The Stills Gallery controls let you delete images, hide them, save them as wallpaper, and print them.



When you click the logo in the upper left corner of the Stills Gallery, the “About...” notice appears. If you have more than one feature installed, a Task menu displays available and active features.

For information about using the Stills Gallery controls, see the online help and Tool Tips.

Stills Gallery settings

Use the Stills Gallery Setup page to define how the Stills Gallery saves and prints captured images.

To set up the Stills Gallery



Click the Setup button in the Television control panel, then click the **Stills Gallery** tab.

Capture Options

Capture to Gallery

Captures still images to the Stills Gallery.

Capture to numbered file

Stores captured images in numbered files (pic001.bmp, pic002.bmp ...) on your hard disk.

Capture to clipboard

Places captured images on the Windows Clipboard.

Capture to printer

Send the captured image to the printer.

Use only 256 colors

Saves captured images as 256-color files, to save disk space.

Save Options	<p>Warn if closed without saving Alerts you if you close Television or the Stills Gallery without saving captured images.</p> <p>Show paths of saved images Displays the drive, folders, and subfolders that contain saved images.</p>						
Tool Tips	<p>Show Tool Tips Display tool tips for the Stills Gallery controls.</p> <p>Show Short Cut Display shortcut keys for the Stills Gallery controls.</p>						
Always on top	<p>Keep the Stills Gallery on top of other applications.</p>						
Print Options	<p>Center image Print image in center of page.</p> <p>Image size:</p> <table data-bbox="343 678 777 768"> <tr> <td>Maximize</td><td>Print in full-page format.</td></tr> <tr> <td>One to one</td><td>Print same size as original.</td></tr> <tr> <td>Double</td><td>Print twice original size.</td></tr> </table>	Maximize	Print in full-page format.	One to one	Print same size as original.	Double	Print twice original size.
Maximize	Print in full-page format.						
One to one	Print same size as original.						
Double	Print twice original size.						

Video Editor

The Video Editor lets you mark start and end points in a captured video clip, and save the portion you select.

When you click the logo in the upper left corner of the display panel, the “About...” notice appears. If you have more than one feature installed, a Task menu displays available and active features.



For information about using the Video Editor controls, see the online help and Tool Tips.

To start the Video Editor

from LaunchPad



Click **Video Editing** in the Launchpad. For information on LaunchPad, see page 6

From Windows® 95 / Windows® 98 taskbar

- 1** In the Windows taskbar, click **Start**, then point at **Programs** ►.
- 2** Point at **ATI Multimedia** ►, then click **Video Editing**.

Auto-launch. When you save captured video from Television, check the **Launch Video Editing Feature** checkbox in the **Save As** dialog—the Video Editor will open automatically when you stop capturing. Note that if you capture in MPEG format (see [Real-time MPEG encoding](#) on page 13 and [video capture formats](#) on page 33), video editing is not available.



You can also start the Video Editor from other Multimedia Center features—Television, CD Audio, DVD, and Video CD. Click the ATI logo in the upper left corner of the feature’s control panel, then click **Video Editor**.

Some third-party editing programs can edit MPEG files.

To open files for editing



Click the Open File button, then choose the file you want.

Video Editor settings

Use the Video Editor Setup page to set playback size, and general operation.

To set up the Video Editor



Click the Setup button in the Video Editor control panel.

Playback Size	Play back video at 50%, 75%, 100%, or 200% of original size.
Tool Tips	Show Tool Tips Display tool tips for the Video Editor controls. Show Shortcut Display shortcut keys for the Video Editor controls.
Show Position as	Frames Show position as frame number. Time Show position as time.

CD Audio

Use CD Audio to play standard audio CDs.

Advanced features such as Random play, Intro play (which plays the first ten seconds of each track) and

Loop play are available. The Schedule feature lets you schedule CD playback on dates and times you specify (see [Schedule](#) on page 66).



When you click the logo in the upper left corner of the display panel, the “About...” notice appears. If you have more than one feature installed, a Task menu displays available and active features.

For information about using CD Audio controls, see the online help and Tool Tips.

To start CD Audio

from LaunchPad



Click **CD Audio** in the Launchpad. For information on LaunchPad, see page 6

from Windows® 95 / Windows® 98 taskbar

- 1** In the Windows taskbar, click **Start**.
- 2** Point at **Programs** ►.
- 3** Point at **ATI Multimedia** ►.
- 4** Click **CD Audio**.



You can also start CD Audio from other Multimedia Center features—Television, Video Editor, DVD, and Video CD. Click the ATI logo in the upper left corner of the feature’s control panel, then click **CD Audio**.

CD Audio settings

Use the CD Audio Settings page to set up playlists and shuffle play, and to use an LCD panel for track number and playback time.

To set up CD Audio



Click the Setup button in the CD Audio control panel, then click the **CD Audio Settings** tab.

Play List	Displays all tracks in the playlist.
Shuffle Play	Shuffle all tracks Play all tracks in random order. Shuffle user playlist Play playlist in random order.
Disc Information	If the information is available, displays the name of the disc and the artist. You can also type in the information.
Available Tracks	Displays the tracks that you can add to the playlist.
LCD Display	Check to display track number and current playback time on an LCD display.
Tool Tips	Show Tool Tips Display tool tips when you point at a control with your mouse. Show Shortcut Display keyboard shortcuts when you point at a control with your mouse.

CD Database

If you are connected to the Internet, you can use the CD Database to display album title, artist, song names, and other information on your computer as your CD plays.

When you put an audio CD in your CD-ROM drive, the CD Audio program can query a global CDDDB[®] server for information about the disk. If the database contains information for your disk, CD Audio downloads and displays the data. Access to the CDDDB service is free of charge to end-users.

To open the CD Audio CD Database page



Click the Setup button in the CD Audio control panel, then click the **CD Database** tab.

Server

Address of CDDDB server (default: cddb.cddb.com)

Port

Port to use with this CDDDB server (default: 8880).

Get Sites List from Server

Get sites list from server using current settings.

Protocol

CDDBP

Use direct TCP/IP connection.

HTTP

Use the HTTP connection if you are behind a firewall.

Proxy Server

Access the database using a proxy server

A proxy server is another computer on your LAN that connects to the Internet without compromising the security of your network.

Server

Address of proxy server.

Port

Port to use with proxy server.

Requires Proxy Authentication

This proxy server requires authentication.

Dial-Up

Networking

Use dial-up networking when accessing the server.

Use this connection when making remote queries

When not connected, connect using this entry.

Only perform remote queries when connected

Access the database only when already connected.

CD Audio Schedule settings

You can schedule CD Audio to play on the dates and times you specify. You can also schedule events for Television, TV Magazine, and Video Capture.

To open the CD Audio Schedule settings page



Click the Setup button in the CD Audio control panel, then click the **Schedule** tab. The Schedule Wizard will guide you through creating new scheduled events. See [Schedule](#) on page 66 for details.

Video CD

Video CD plays MPEG-1 digital audio and video, Video CD 1.0 CDs, MPEG-1 Video CD 2.0 Interactive CDs, Karaoke CDs, and .AVI video files.

The Schedule feature lets you play video files on dates and times you specify (see [Schedule](#) on page 66).

When you click the logo in the upper left corner of the display panel, the “About...” notice appears. If you have more than one feature installed, a Task menu displays available and active features.

For information about using Video CD controls, see the online help and Tool Tips.



To start Video CD



from LaunchPad

Click **Video CD** in the Launchpad. For information on LaunchPad, see page 6.

From Windows® 95 / Windows® 98 taskbar

- 1** In the Windows taskbar, click **Start**.
- 2** Point at **Programs** ►.
- 3** Point at **ATI Multimedia** ►.
- 4** Click **Video CD**.



You can also start Video CD from other Multimedia Center features—Television, Video Editor, CD Audio, and DVD. Click the ATI logo in the upper left corner of the feature’s control panel, then click **Video CD**.

When you play a video CD, this small control panel opens to provide navigation. Use the numeric keys to enter values directly; the upper window displays your entries.



To play a file



Click the File Open button, and select a file from the list.

Click the **Play** button. The file plays in the display panel.

To play a series of files



Click the File Open button, and select files from the list.

Click **Add**, then click **Play**.

The files play, in sequence, in the display panel.

To capture still frames from MPEG clips



Click the Camera button in the Video CD control panel. The current frame is placed in the Stills Gallery (see [Stills Gallery](#) on page 39).

Video CD closed captioning

Video CD supports the standard Closed Captioning for MPEG Video CD 2.0 and full Closed Caption for Education (CCFE) specification. You can display MPEG closed-captioned text in three ways:

- Over video in the display panel
- In the Closed Caption window
- Over video and in the Closed Caption window simultaneously

The vertical scroll bar lets you navigate closed-captioned text, and the buttons control CCFE functions.

- The bottom of the window displays the current scene.
- The light blue square is a bookmark. Click it to bookmark the page; click it again to remove it.



The Closed Caption window

- Right-clicking a word in the Closed Caption window launches the dictionary program (if it has been selected) to define the word.
- Right-clicking the Closed Caption window border opens a menu where you can specify display size, audio channels, movie scale, and show/hide controls (right-clicking the Video CD display opens the same menu).
- In CCFE, right-clicking the blue (idiom) words opens the Idiom window.

To go to a particular location in the MPEG file

Double-click a specific section of text.

To set up a loop in the closed-captioned text

- 1 Click any part of the text to place the **beginning** mark.
- 2 Shift-click another part of the text to place the **end** mark.

To play the loop

Click the **Loop Selected Range** button in the Close Caption window.

To move to the current, live area of the file

Double-click the scroll bar knob.

Video CD Display settings

Use the Video CD Display settings pages to set up video size and general operation.

To open the Video CD Display settings page



Click the Setup button in the Video CD control panel, then click the **Display** tab.

Video Size	Choose playback size: 50%, 75%, 100%, 200%, or Fullscreen.
Tool Tips	<p>Show Tool Tips Show tool tips when you point at controls with your mouse.</p> <p>Show Shortcuts Show keyboard shortcuts when you point at controls with your mouse.</p>
Always on top	Keep Video CD on top of other applications.
Keep Aspect Ratio	Maintain the width-to-height ratio when you resize or zoom the display.
Autohide Controls in Full screen	Automatically hide Video CD controls when playing full-screen.

Video CD Preferences settings

Use the Video CD Preferences settings page to set up general characteristics for your player.

To open the Video CD Preferences settings page



Click the Setup button in the Video CD control panel, then click the **Preferences** tab.

Movie Scale	<p>Show Frames Display scale in frames.</p> <p>Show Time Display scale in time.</p> <p>Show Total Time Display the total time of the playing video CD or file.</p> <p>Show Time Remaining Display the remaining time in the playing video CD or file.</p>
Update Slider Position	Update the position slider while a file is playing. (May slow down playback; turn this off for faster response.)
Automatically play CD if present	Automatically play a loaded CD.

Video CD Closed Caption settings

Use the closed caption settings to specify the closed caption language and display font for the video window and the Closed Caption window.

To open the Video CD Closed Caption settings page



Click the Setup button in the Video CD control panel, then click the **Closed Caption** tab.

Video Window	<p>Off Do not display closed-captioned text.</p> <p>English Display English text.</p> <p>Hangul Display Hangul text.</p> <p>Font Select the font and background style for the video window.</p>
Second Window	<p>Off Do not open the second window.</p> <p>Single Language</p> <p>English Only Display English text.</p> <p>Hangul Only Display Hangul text.</p> <p>Both Languages</p> <p>Horizontally Display English and Hangul text side-by-side, divided by the slider.</p> <p>Vertically Display “layered” view: English, Hangul, English ...</p> <p>Font Select the font for the second window, and the foreground and background color.</p>

Video CD Stills Gallery settings

You can capture still images from MPEG clips.

To open the Video CD Stills Gallery settings page



Click the Setup button in the Video CD control panel, then click the **Stills Gallery** tab.

Capture Options	<p>Capture to gallery Capture still images to the Stills Gallery.</p> <p>Capture to numbered file Store captured images in numbered files (pic001.bmp, pic002.bmp ...) on your hard disk.</p> <p>Capture to clipboard Places the captured image on the Windows Clipboard.</p> <p>Capture to Printer Sends the captured image to the printer.</p> <p>Use only 256 colors Saves captured images as 256-color files, to save disk space.</p>						
Save Options	<p>Warn if closed without saving Alerts you if you close the Stills Gallery or Video CD without saving captured images.</p> <p>Show paths of saved images Display the drive, folders, and subfolders that contain your saved images.</p>						
Tool Tips	<p>Show Tool Tips Display tool tips for the Stills Gallery controls.</p> <p>Show Short Cut Display shortcut keys for the Stills Gallery controls.</p>						
Always on top	<p>Keep the Stills Gallery on top of other applications.</p>						
Print Options	<p>Center image Print image in center of page.</p> <p>Image size:</p> <table data-bbox="344 1360 777 1446"> <tr> <td>Maximize</td><td>Print in full-page format.</td></tr> <tr> <td>One to one</td><td>Print same size as original.</td></tr> <tr> <td>Double</td><td>Print twice original size.</td></tr> </table>	Maximize	Print in full-page format.	One to one	Print same size as original.	Double	Print twice original size.
Maximize	Print in full-page format.						
One to one	Print same size as original.						
Double	Print twice original size.						

Video CD Schedule settings

You can schedule Video CD to play on the dates and times you specify. You can also schedule events for CD Audio, Television, TV Magazine, and Video Capture.

To open the Video CD Schedule settings page



Click the Setup button in the Video CD control panel, then click the **Schedule** tab. The Schedule Wizard will guide you through creating new scheduled events. See [Schedule](#) on page 66 for details.

DVD

DVD (Digital Versatile Disc) is a high-density format that provides as much as 17 Gigabytes of storage—25 times more than a CD-ROM. This vastly increased capacity lets you view a full-length movie or play games that used to require multiple CDs.



Many DVD titles provide new viewing capabilities: interactive menu selection, multiple languages, foreign-language subtitles, multiple viewing angles, and more. New video and audio technologies such as MPEG-2 video compression give you a higher level of multimedia video and audio experience.

When you click the logo in the upper left corner of the display panel, the “About...” notice appears. If you have more than one feature installed, a Task menu displays available and active features. The Schedule feature lets you play video files on dates and times you specify (see [Schedule](#) on page 66).

To start DVD

from LaunchPad



Click **DVD** in the Launchpad. For information on LaunchPad, see page 6

from Windows® 95 / Windows® 98 taskbar

- 1** In the Windows taskbar, click **Start**.
- 2** Point at **Programs** ►.
- 3** Point at **ATI Multimedia** ►.
- 4** Click **DVD**.



You can also start DVD from other Multimedia Center features installed on your system—Television, Video Editor, Video CD, and CD Audio. Click the ATI logo in the upper left corner of the feature's control panel, then click **DVD**.

For information about using the DVD controls, see the online help and Tool Tips.

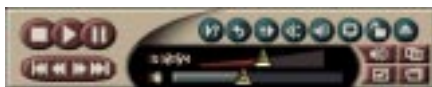
What can I play on my DVD drive?

You can play all video discs that conform to the DVD Video Disc 1.0 specification, including encrypted (copy-protected) and interactive titles.

DVD control panels

DVD Video Discs.

On most systems, when the player detects a DVD Video Disc, it automatically opens the DVD control panel.



DVD control panel

MPEG-2 files. You

can play all MPEG-2 files (MPEG-2 files usually have an



MPEG-2 control panel

.MP2 or .VOB extension). When you instruct the player to play an MPEG-2 file, it automatically opens the MPEG-2 control panel and plays the file in the video display panel. See [Playing MPEG-2 Files](#) on page 61.

Both modes provide context-sensitive help; see [Online Help](#) on page 7.

Sizing the Video Display panel

You can resize the video display panel by using your mouse to drag an edge, and you can use the CTRL key to display these preset screen sizes:

50% of original size.	CTRL+1
75% of original size.	CTRL+2
100% of original size.	CTRL+3
Full-screen	CTRL+4 CTRL+F

Full-screen controls

When you play DVD discs in




full-screen mode, the player controls appear at the bottom of your screen. You can use the following keys to return to windowed video, and hide or show the on-screen controls.

Ctrl + F	Exit full-screen mode.
F2	Hide / Show the on-screen controls.

Playing DVD Video Disks

All DVD players and drives will read **audio CDs** and **CD-ROMs**, and play music from **Enhanced CDs** (CD Plus, CD Extra).

To play DVD discs

- 1 Place a DVD disk in your DVD drive.
- 2 Click the Play DVD button in the File Open dialog.
- 3  Click the open file button in the control panel.

Selecting audio streams



When you view a standard DVD Video disc that has multiple audio streams, clicking the audio channel button displays a pop-up menu of available audio streams. The currently-playing channel is checkmarked.

- All DVD Video Discs support up to eight audio channels.

Setting up sub-titles



Click the sub-title selection button in the DVD control panel to display a menu of sub-title language choices. Click the language you want for sub-titles. The selected language is checkmarked.

- All DVD Video Discs support up to thirty-two sub-title languages.

Using the menus



Click the Menus button in the DVD control panel. A pop-up “menu of menus” opens, where you can select a menu to jump to. Standard DVD Video Discs provide up to six menus:

- Title (usually, a whole movie or album)
- Root
- Audio
- Sub-picture (sub-pictures overlay the video, and are used for sub-titles, karaoke, menus, simple animation, and the like).
- Angle
- Chapter

Searching DVD disks

DVD Video Disc content consists of “titles” (movies or albums), and “parts of titles” (chapters or songs). Use Search to go to a specific location on the disc.



Click the Search button in the DVD control panel to open the search dialog. You can search DVD discs for:

- Title (usually a whole movie)
- Title and Chapter (a Chapter is part of a Title).
- Time within the current Title and Chapter in HH:MM:SS:FF format: HH=hour, MM=minute, SS=second, FF=frame).

Selecting viewing angle



Click the Angle button in the DVD control panel to display a menu of camera angles. The selected angle is checkmarked.

- Not all DVD Video Discs support multiple viewing angles; the DVD content must be encoded with multiple viewing angles for this feature to be active.

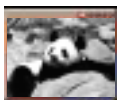
Parental Lockout



Parental Lockout lets you restrict access to selected material by requiring password access. Click the Parental Lockout button in the DVD control panel to display a menu of parental level choices. The selected level is checkmarked.

- When a parental level is selected, a password dialog appears. A password is required to change parental levels.

Control menu



In addition to the control panel buttons described on page 58–page 59, you can access DVD functions by right-clicking on the video viewing area. This is very useful when you play files in full-screen mode. The following menu items are available:

Setup Properties	Displays the Setup dialog.
Hide full-screen panel	Hides the full-screen controls (see Full-screen controls on page 57).
Eject	Ejects the DVD disc from the drive.
Resume	Continues play, after pausing
Play/Pause	Toggles between play and pause.
Stop playing	Stops play.
Play at specific part	Search for a specific location on the disc (see Searching DVD disks on page 59).
Restart program	Starts play at the beginning of the file.
Go up	Goes up in a playlist (see Playing MPEG-2 Files on page 61).
Menu	Displays a “menu of menus” (see Using the menus on page 58).
Subtitle	Displays a menu of subtitle language choices (see Setting up sub-titles on page 58).
Audio	Displays a menu of audio streams (see Selecting audio streams on page 58).
Angle	Displays a menu of camera angles (see Selecting viewing angle on page 59).
Parental Control	Displays a menu of parental level settings
About...	Displays the About... dialog.
Exit	Closes DVD.

Playing MPEG-2 Files

You can play all MPEG-2 files (MPEG-2 files usually have an .MP2 or .VOB extension). When you instruct the player to play an MPEG-2 file, it automatically opens the MPEG-2 control panel and plays the file in the video display panel.



Use the previous file and next file buttons to play files in a playlist.



- You can build a **playlist** of files to play one after the other:





When you click the Open file button in the control panel, the Select Files To Play dialog opens. Select files from the upper panel, and click the Add button to include them in the playlist.



To play files, click the Play button.

- When you use a playlist, loop mode  plays every file in the sequence you specify, and then repeats the sequence. If you are playing a file, the Skip To End button  skips to the next file.

To play an MPEG-2 file

-  Click the Open File button in the control panel.
- Select one or more MPEG-2 files.
-  Click the Play button.

Your file plays in the video display panel.

NOTE

In MPEG mode, not all overlay functions are available in all monitor resolutions. Usually, 800x600x16 colors allows the graphics card enough memory to support overlay functions.

DVD display settings

The Display settings page lets you control how video is displayed in DVD.

To open the Display settings page



Click the Setup button in the DVD control panel, then click the **Display** tab.

Display Size	Display video at 50%, 75%, 100%, or full screen.
Layout Preferences	<p>If the DVD video disc contains the appropriately formatted content, DVD video can be displayed with a width-to-height ratio of 4:3 (standard TV shape) or 16:9 (widescreen).</p> <p>Wide screen Displays the full image with a width-to-height ratio of 16:9 (for wide-screen TVs).</p> <p>Letterbox Displays the image with top and bottom borders (in 4:3 format, for a shorter but full-width image).</p> <p>Pan Scan Displays a 16:9 image formatted to fit a standard 4:3 screen; the image is full-height and 75% of the full width.</p>
Picture Quality Control	Move the Brightness slider to adjust the brightness of the display.
Options	<p>Keep Aspect Ratio Maintains the aspect ratio (width-to-height ratio) when you resize the display.</p> <p>Always on Top Always displays the player on top of other windows.</p> <p>Auto Hide in Full Screen Automatically hides controls in full-screen mode if no user interaction occurs. Controls automatically re-appear if you move the mouse.</p>
Tool Tips	<p>Show Tool Tips Displays helpful aids for using DVD.</p> <p>Show Shortcut Displays shortcut keys.</p>

DVD Preferences settings

The Preferences settings page lets you control how video is displayed in DVD.

To open the Display settings page



Click the Setup button in the DVD control panel, then click the **Preferences** tab.

Preferred Language	<p>Select a 1st choice and a 2nd choice for your preferred language.</p> <ul style="list-style-type: none"> • The player automatically selects the audio stream and sub-titles to match the 1st choice. • If the 1st choice is not available, the 2nd choice is used. • If neither 1st or 2nd choice is available, the player uses the first available audio and sub-picture stream. • You can use the Sub-titles button to change languages during playback (see Setting up sub-titles on page 58).
Power Management	<p>Select one of the following levels:</p> <ul style="list-style-type: none"> • Always (power management always enabled). • While not playing • Display to turn off while paused (only the display turns off when playback is paused). • Never
Enable Subtitles Always	Always display subtitles.
Show Subtitles When Muted	Display subtitles whenever the audio is muted.

DVD Schedule settings

You can schedule events for Television, CD Audio, TV Magazine, Video Capture, and Video CD.

To set up scheduled events



Click the Setup button in the DVD control panel, then click the **Schedule** tab. The Schedule Wizard will guide you through creating new scheduled events. See [Schedule](#) on page 66 for details.

Region codes

There are six region codes, or “country codes”, which are used to prevent playback of certain discs in certain geographical regions. DVD players will not play discs that are not allowed in the region. The regions are:

Region 1	The U.S., U.S. territories and Canada.
Region 2	Europe, Japan, the Middle East, Egypt, South Africa, Greenland.
Region 3	Taiwan, Korea, the Philippines, Indonesia, Hong Kong.
Region 4	Mexico, South America, Central America, Australia, New Zealand, Pacific Islands, Caribbean
Region 5	Russia, Eastern Europe, India, most of Africa, North Korea, Mongolia.
Region 6	China

To change region codes

- 1** Click **Start**, point to **Settings**, then click **Control Panel**.
- 2** Double-click **Add/Remove Programs**.
- 3** Click **DVD**.
- 4** Click **Add/Remove...**
- 5** Insert your DVD installation CD or diskette.
- 6** Select **Setup** to re-install DVD.
- 7** Click **Next** at the welcome screen.
- 8** Click **Yes** at the license agreement.
- 9** Select **Express install**.
- 10** Select the desired region 1-6.
- 11** Click **YES** to confirm the change.

Note You can only change Region Codes five times.

Schedule

Use the Schedule feature to activate events on the dates and times you want. You can schedule events for Television, CD Audio, TV Magazine, Video Capture, and Video CD.

To set up scheduled events



Click the Setup button in the Television control panel, CD Audio, DVD, or Video CD. Click the **Schedule** tab, and then click the **Create New** button.

The Schedule Wizard will guide you through creating new scheduled events. Step 4 of the Wizard asks if you want to set up feature-specific settings (for example, if you are recording video, you can specify quality and duration for particular events). When you click the **Finish** button, your event is added to the scheduled event list; checked items are active.

TV Out

NOTE


You must attach a TV before enabling TV out.

For information on attaching a TV, see the User's Guide for your ATI card.

You can connect a television set as your computer's display, and use your Multimedia Center to view computer output directly on your television in either NTSC or PAL formats, connect using Composite or S-Video output capabilities, and display images on the TV and PC monitor simultaneously.

TV Out provides a big-screen experience for entertainment PCs that is ideal for playing games, giving presentations, watching movies, and browsing the Internet.

To enable the television display

- 1** In the Windows taskbar, click **Start**.
- 2** Point to **Settings** , then click **Control Panel**.
- 3** Double-click **Display**.
- 4** Click the **Settings** tab.
- 5** Click **Advanced...**
- 6** Click **Displays**.
- 7** Check the **Television** checkbox.
- 8** Click **OK**.

To cancel TV Out, click the Television checkbox to clear it.

For more information about television display, click Help.

