ATI Multimedia Center 7

User's Guide

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Table of Contents

Using Your ATI Multimedia Center

This chapter explains how to use the special features that your ATI Multimedia Center offers. The Multimedia Center is a suite of products that provides TV, Video CD, CD Audio, DVD, and File Player in one package.

Because North American and European television use different broadcast standards, closed-captioning and related features are available only in North America.
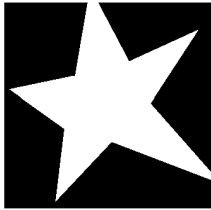
IN THIS CHAPTER...

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.

• To change the size of the LaunchPad when it is not docked, double-click it or right-click it, and choose a size.

The buttons in the upper right of LaunchPad let you access your desktop settings, get Help, and close LaunchPad. If your system does not have a TV tuner, **Video In** appears in place of TV in the LaunchPad.

| *Note* | TV, DVD, Video CD, and File Player use some of the same resources. If you try to start one of these features while another is running, a resource conflict message appears. You have four choices:
• Run both features with reduced performance, where possible.
• Suspend the first feature while the other is active.
• Close the first feature.
• Press **Cancel** to continue without starting the second feature. |

Starting from Windows® taskbar

1 In the Windows taskbar, click **Start**.

2 Point at **Programs** ▶.

3 Point at **ATI Multimedia Center** ▶.

4 Click **CD Audio**, **DVD**, **LaunchPad**, **File Player**, **TV**, or **Video CD**.

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

Attaching and Detaching Panels

You can detach the DVD, Video CD, TV, CD Audio, and File Player, 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 display panel to open the online help.

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

Tool Tips. 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 Tool Tips — click the **Show Tool Tips** checkbox in the **Display** tab (for more information, see *TV display settings* on page 14).

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.

TV

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.

TV delivers advanced features: Closed Captioning, Video/Still Capture, Channel Surfing, Scheduled Events, TV Listings, Parental Control, 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.

For information about using TV controls, see the online help and Tool Tips.
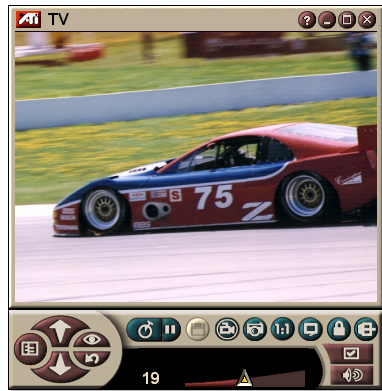
Note	• All channels may not be available in all countries.
	• Not all TV features are available with Video-In cards.

To start TV

from LaunchPad

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

from Windows® taskbar

1   In the Windows taskbar, click **Start**, then point at **Programs ▶**.

2   Point at **ATI Multimedia Center ▶**, then click **TV**.

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

Video-In

If there is no TV tuner in your computer system, a small control panel with controls for composite input is provided for capturing video from external video sources.

Note	If you have a Video-In card, the following dialogs and features are unavailable: • TV Tuner settings (see *page 16*.) • Channel Surfing (see *page 20*.) • TV-on-Demand (see *page 33*.) • Program Lockout (see *page 29*.) • Parental Control (see *page 30*.)

Setting up TV

The first time you start TV, you must complete the Initialization Wizard. After that, the Wizard will not run unless you want to re-run it in order to change settings. The Initialization Wizard guides you quickly and easily through setting up TV channels, Parental Control, Sound, and TV-on-Demand.

Note	• If you have a Video-In card, only the Sound Initialization Wizard is used. • TV-on-Demand is only available if your card supports it.

Initialization Wizard

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

Click the **Initialization Wizard...** button. The *TV Channels Initialization Wizard* appears. Follow the Wizard's instructions to select cable or antenna, choose the broadcast standard, and to scan for active channels.

• If you have TV Listings installed with its current database, it will also add the channel name for each channel. For more information see *TV Listings* on page 41.

Click **Next >**. The *TV Parental Control Initialization Wizard* appears. Follow the Wizard's instructions to set or change your Parental Control password.

Note	• Passwords are **optional**. • Passwords are **case-sensitive**, and must be at least **three characters** in length. • If you forget your password, you will have to uninstall and reinstall your TV software.

Click **Next >**. The *Sound Initialization Wizard* appears. Follow the Wizard's instructions to set up your audio connection.

• If you do not hear TV audio, ensure that the TV is tuned to a broadcasting channel, and that you have made the correct audio connections. See *Troubleshooting* on page 74 for more information.

Click **Next >**. The *TV-on-Demand Initialization Wizard* appears. Follow the Wizard's instructions to set up a temporary file and allocate file space. Available time is indicated. The **Advanced Settings** button lets you customize settings for image quality and processor load.

Click **Next >**. The *End of Initialization Wizard* panel appears. Click **Finish** to complete TV setup.

Sizing the TV display

You can resize the TV display using the mouse, the Maximize button, or CTRL key combination.

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

To resize the TV display using the mouse

Drag the display's border. The TV display maintains a fixed aspect ratio (width-to-height) of 4:3 to avoid picture distortion.

To display TV in full-screen

Press CTRL+F or ALT+F, or click the Maximize button. To return to the previous size, click 🔲 or press the **Esc** key.

To display preset sizes using the CTRL key

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
Increase size of display panel	CTRL + Up Arrow
Decrease size of display panel	CTRL + Down Arrow

TV Control menu

You can access TV functions by right-clicking on the video viewing area or the control panel. This is very useful in full-screen mode. The following menu items are available:

Setup	Opens the TV setup page.
Always On Top	Displays TV on top of other applications.
Hide Controls	Hides the TV Control panel.
Zooming	Select zoom ratio (**2x**, **4x**, or **8x**) or **Unzoom** if already zoomed. See *Zooming and panning* on page 27.
Video Size	Indicates the sizes available for the current panel: **160 x 120** **240 x 180** **320 x 240** **640 x 480** **Full Screen**
Connector	Specifies the video input: **TV Tuner** Selects TV Tuner input. **Composite** Selects composite video input. **S-Video** Selects S-Video input.
Sound Mode	Sets the audio mode: **Captions when muted** Displays closed captions when audio is muted. **Stereo** Enables stereo TV audio. **Mono** Enables monaural TV audio. **SAP** Enables the Secondary Audio Program.
Closed Captions	Specifies how closed-captioned text is displayed. You can also enable the Hot Words and TV Magazine features. See *Hot Words™* on page 23 and *TV Magazine* on page 25.
About...	Displays the About... dialog.
Exit	Closes TV.

TV display settings

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

To open the Display settings page

Click the Setup button in the TV 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 TV 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 TV 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. **Crop Edges** Crop image edges to hide overscan noise. **Always On Top** Display TV on top of other applications. **Auto Hide Controls when in full screen** Hide TV controls when displaying TV in full screen.
Hide Player Hotkey	Specify a keyboard key that hides/displays TV.
Initialization Wizard	Re-runs the Initialization Wizard. See *Initialization Wizard* on page 11.

TV video settings

The video settings page lets you choose a video connector and fine-tune video characteristics.

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. • If you choose Composite or S-Video, you must specify the **Broadcast Standard**.
Broadcast Standard	Choose the broadcast standard: NTSC, PAL, or SECAM.
Video Properties	**Color** Adjusts the amount of color in the image. **Brightness** Adjust the amount of white in the image. **Contrast** Adjusts the gradation of tones between light and dark areas. **Tint** Adjusts the balance of red-to-blue in the image. • Tint is not adjustable for PAL or SECAM.

TV Tuner settings

The tuner settings page lets you autoscan 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 TV control panel, then click the **TV Tuner** tab.

Channel Name	You can enter channel names
Details...	Select a channel, then click the **Details**... button to open the **Channel Property Details** page (see *Channel Property Details* on page 16).
Autoscan	Scans for all active TV channels, and stores them when you click the **Set** button.
Cable Standard	Selects the country and cable or antenna.

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.

For example, in the Channel Specific Settings Video page, you could change a channel to SECAM when the other channels are (by default) PAL. In the Closed Captioning page you could enable a set of Hot Words specifically for a particular channel.

Channel Name	Type a name for the channel.
Number	Displays the channel number.
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 *Autoscan* on page 16).
Channel in Favorite List	Check to add the channel to the channels that TV receives when you click the channel up/down buttons). To remove a channel, uncheck it.
Channel in Visual Selection List	Check to add the channel to the Visual Selection list (see *Channel Surfing* on page 20). To remove a channel, uncheck it.
Channel Specific Settings	**Audio** Click **Audio**, then click **Details**... to open the Sound details page.

Sub-entries under Channel Specific Settings:

Mute Settings

Global	Uses global settings for all channels.
Mute On	Mutes selected channel.
Mute Off	Cancels all muting.
SAP Settings	see *Secondary Audio Program (SAP)* on page 20.
Global	Uses global settings for all channels. that provide it.
Stereo	Activates stereo audio for this channel, if it provides it.
Mono	Activates monaural audio for this channel.
SAP	Activates SAP for this channel.

Channel Specific Settings	**Video**
	Click **Video**, then click **Details**... to open the Channel Based Video Settings page. Move the sliders to change the values

	Color	Amount of color in the image.
	Brightness	Balance of light and dark in the image.
	Contrast	Gradation of tone between the image's highlights, midtones and shadows.
	Tint	Balance of red, green, and blue in the image.

Broadcast Standard
Choose the broadcast standard for this channel.

Program Lockout
Click **Program Lockout**, then click **Details**... to open the Program Lockout Settings page (see *Program Lockout* on page 29).

Closed Captioning
Click **Closed Captioning**, then click **Details**...to open the Closed Captioning Channel Settings page (see *Closed Captioning* on page 21).

TV Stills Gallery settings

You can capture still images from TV, and save them in the Stills Gallery.

To open the TV Stills Gallery settings page

Click the Setup button in the TV control panel, then click the **Stills Gallery** tab. For information on the Stills Gallery, see *Stills Gallery* on page 43.

TV Schedule settings

The Scheduler lets you set up TV to watch or record selected TV programs at times you specify. If you have the features installed, you can also schedule events for CD Audio, TV Magazine, Digital VCR, and File Player.

To open the Schedule settings page

Click the Setup button in the TV control panel, click the **Schedule** tab, then click the **Create New** button. The Schedule Wizard will guide you through creating new scheduled events. See *Schedule* on page 70 for details.

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 29), a password is required to access it. If a password is not entered, only unlocked channels are displayed.

• After an autoscan (see *Autoscan* on page 16), 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 Channel Surfing.

To use Channel Surfing

1   Click the Channel Surf button in the TV 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.

Closed Captioning

Display closed captioned
text over video, like a
standard TV, and/or 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.

Closed Captioning

The final product when sliced
looks like that.
>> Let me ask you a general
question before we do this.
But the brits do a lot of things
well, but british cuisine is
kind of an oxymoron.
Why would we want to copy their
food?
>> The pudding

You can set the background color, the font, and the font color
for the window.
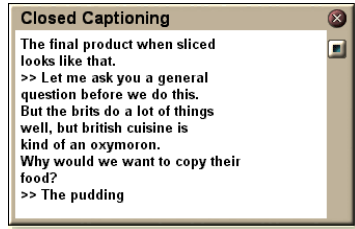
> **Note** Closed-Captioning is only available in North America.

To display closed-captioned text

Click the Closed Caption button in the TV control panel.

To close the Closed Captioning window, click the Exit
button.

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 TV 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** Displays closed captioned text on a solid background. **Shaded Background** Displays closed captioned text on a shaded background.
HotWords	**Enable** Check to enable HotWords when Closed Captioning is on (see *Hot Words™* on page 23). **HotWords Setup** Opens the HotWords settings page.
TV Magazine	**Enable** Activates TV Magazine (see *TV Magazine* on page 25.) **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.

Hot Words™

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 can set Hot Words to show the matched text, restore TV, play a sound, enable TV Magazine, or enable the Digital VCR when the Hot Words appear. You can also have TV automatically transcribe the text when the specified words appear.

You can enable Hot Words, and then minimize TV; when the specified words occur, TV opens. You specify words using the Hot Words setup button in the Closed Caption settings page.

Note   Hot Words is only available in North America.

To set up Hot Words

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	Choose the type of match you want: • **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 25). **Enable Digital VCR** Activates the Digital VCR (see *Digital VCR* on page 36).

TV Magazine

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 70).

Note	• TV Magazine is only available in North America. • When TV Magazine is enabled, it transcribes closed-captioned text even if the Closed Captioning button is off.

To start TV Magazine

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

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

File Name	Type a name for the file.
File Format	Select a file format (RTF, TXT, or HTML).
Options	**Overwrite files** Check to overwrite existing files. Uncheck to keep existing files. **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. (Depending upon the closed-captioning format, commercials may occasionally be recorded—a little experimentation will show you how to get the best results.) **Case Conversion** Convert all characters to upper or lower case.
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)

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.

| *Note* | • Not all television stations broadcast stereo or SAP. |
| | • SAP is not available in Japanese versions of TV. |

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.

Zooming and panning

You can zoom in on the video in the Display panel to enlarge a selected portion of the screen, and return your display to normal. You can also pan (move the image horizontally and vertically) in the zoomed area.

To zoom

Click within the display panel, then hold down the mouse button and draw a rectangle around the area you want to zoom.

Or, right-click the 1:1 button to open a menu where you can set the zoom level— Zoom x2, Zoom x4, or Zoom x8.
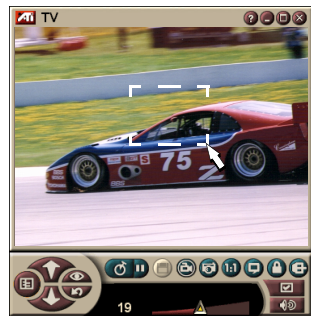
To pan in the zoomed area

Move your mouse within the zoomed area to pan horizontally or vertically.

To unzoom

Right-click in the display panel to open the control menu, point at **Zooming ▶**, then click **Unzoom**, or

Click the 1:1 button in the control panel.

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 TV

Click the **TV** button (or the **Video** button, if you have a Video-In card) in the Windows® taskbar.

Program Lockout

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	• Passwords are **case-sensitive**. For example, PASSWORD, Password, and passWord are *not* the same.
	• If you forget your password, you must uninstall and reinstall your TV software to view password-protected programs.

To set program lockout

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

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 lockout

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

Note	• Parental Control is only available for North American (NTSC) Television. • Passwords are **case-sensitive**, and must be at least **three characters** in length. • If you forget your password, you must uninstall and reinstall your TV software. • Parental Control is only available for computer systems that have a TV tuner. • 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.

1   Click the level you want.

The Set Password dialog appears.

2   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. The
Digital VCR lets you capture
a clip of full-motion video
plus audio from your video source and save it as an MPEG or
AVI file on your computer's hard disk. See *Digital VCR* on
page 36 for details.
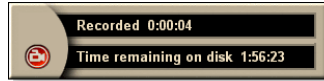
Still images. Capture full-
color, 24-bit-per-pixel, still
images from television, and
MPEG clips (see *Video CD* on
page 49), save them, and print
them. The images are placed
in the Stills Gallery, which saves them as Windows-standard
bitmaps (.bmp) or a wide variety of standard formats.

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 43 for details.

Note	If the program is restricted by Parental Control, still capture is disabled (see *Parental Control* on page 30).

Recording a clip of video and audio from TV

To record a clip of video and audio

Click the Record button in the Television control panel.

The Digital VCR starts recording video and audio to an MPEG or AVI file on your computer's hard disk. For information on specifying capture formats, see Digital VCR settings on page 37.

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

Note	If the program is restricted by Parental Control, the recorded material is scrambled (see *Parental Control* on page 30.)

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 43).

Note	If the program is restricted by Parental Control, Still Capture is disabled (see *Parental Control* on page 30.)

TV-on-Demand™

TV-on-Demand ("Time-Shifting") is available if your graphics card supports it (for example, the ALL-IN-WONDER RADEON and the ALL-IN-WONDER 128 PRO). TV-on-Demand combines the immediacy of live TV with the storage and replay capability of a VCR to create a new way to watch and interact with TV.

Live Pause. With a mouse click, you can pause a live TV broadcast, and resume viewing the time-shifted video later, without missing any of the action.

Instant Replay. If you want to replay a sequence, you can back up the program, see what you missed, and then catch up to live programming. You can vary the playback speed or skip ahead by a pre-set number of seconds. You can also export time-shifted video as an MPEG (.MP2) file.

Note	• Because TV-on-Demand records to your hard drive, you cannot use the Digital VCR in TV-on-Demand mode (see *Digital VCR* on page 36). • You cannot time-shift copy-protected video sources.

To view time-shifted video

Click the TV-on-Demand button or the Pause button ▮▮ in the TV control panel.

• When you click the Pause button, the TV control panel changes to the TV-on-Demand control panel, the last frame of video is displayed, and TV-on-Demand captures live video.

Live TV mode

TV-on-Demand mode

The TV control panel changes to the TV-on-Demand control panel, and time-shifted video is displayed.

• When you click the Play button ▶, time-shifted video is displayed, continuing from where you paused.

Note	If you do not hear TV audio, see *Troubleshooting* on page 74.

To return to live broadcasting

Click the Live TV button in the TV-on-Demand control panel. Video recording stops. To keep recording while you watch live TV, stay in TV-on-Demand mode and drag the slider to the right (see *To move within time-shifted video* on page 35).

To play time-shifted video

Click the Play button ▶ in the TV-on-Demand control panel.

To pause time-shifted video

The Pause button ❙❙ is displayed in live TV mode or in TV-on-Demand mode while time-shifted video is playing. When you click the Pause button, time-shifted video stops, a still image is displayed, and the Pause button changes to the Play button ▶.

When you click the Play button, time-shifted video resumes playback, and the Play button changes to the Pause button.

To change playback speed in time-shifted video

Click the Speed button to select playback speed: Slow Play (half-speed), Normal Play, and Fast Play (1.5x speed). Right-clicking the Speed button displays a menu of speeds.

• The Speed button is only enabled when you are in TV-on-Demand mode, but behind **Live**.

To skip backwards and forwards in time-shifted video

Click the left button to skip back; click the right button to skip forward. The default settings are:

• Forward: 10 seconds

• Backward: 30 seconds

You can right-click the button to change the time settings to 10 seconds, 30 seconds, 1 minute, or two minutes.

To move within time-shifted video

Live

Drag the slider with your mouse. The time display indicates the position in the recorded video. As you move the slider all the way to the right, the time display indicates **Live**.
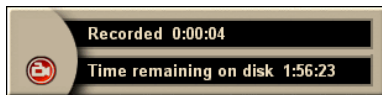
To export time-shifted video

Click the Export button in the TV-on-Demand control panel. A dialog appears, where you can select the portion of time-shifted video you want to save (Range:), and the location to store it (Output File:). Exported video is saved in MP2 format.

You can export more quickly if you return to live broadcast mode first (but do not return to TV-on-Demand, or you will overwrite your previously-recorded video).

Digital VCR

The Digital VCR provides simple controls and powerful capture options. You can capture a clip of

Recorded 0:00:04
Time remaining on disk 1:56:23

full-motion video and audio from your video source and save it as an MPEG or AVI file. You can play captured files in the File Player (see *File Player* on page 65.) The Schedule feature lets you record TV programs on the dates and times you specify (see *Schedule* on page 70).

Note	Because TV-on-Demand records to your hard drive, you cannot use the Digital VCR in TV-on-Demand mode (see *TV-on-Demand™* on page 33). Instead, use the Export function when you are in TV-on-Demand mode (see *To export time-shifted video* on page 35.)

To start the Digital VCR

When you capture video (see *To record a clip of video and audio* on page 32) from TV, the Digital VCR opens automatically. If you want the Digital VCR to prompt you before recording, click the **Prompt before Recording** checkbox in the **Digital VCR** tab of the **TV Player Setup** page (see *Digital VCR settings* on page 37).

Saving and compressing captured video

The Digital VCR Custom Settings... page lets you compress your captured video and save it in several industry-standard formats (see *Recording Quality* in *Digital VCR settings* on page 37). 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

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 TV control panel, then click the **Digital VCR** tab.

Recording Quality	Check **Best Quality**, **Good Quality**, or **Longest Time**. (The higher the quality, the less video you will be able to store on a disk.) For extremely fine control, click the **Set Custom** button to open the **Custom Settings** page, where you can create and modify preset capture formats. Click the **Create New...** button to create a new, preset capture format. The Capture Wizard guides you through the process. Click the **Edit...** button to modify an existing, preset capture format. • Step 2 of the Capture Wizard provides a **deinterlacing** option. Select it to prevent horizontal streaks in captured video.
Disk Space Settings	Allocates the amount of disk to store captured video. **Record to Drive** Select the drive to hold captured video. **Amount of disk space to leave free** Use the slider to set the amount of space to leave on your hard drive. Use this to prevent the recording from completely filling your drive.
Current Settings	Displays the video format, size, frame rate, and audio format for captured video.
Capture Still at 640 x 480	Capture still images in 640 x 480 pixel format.
Prompt Before Recording	Do all capture setup, then display a dialog that starts capture.
Record for	Check the box, then type the number of hours and minutes you want to record.

Real-time MPEG encoding

If your computer uses a Pentium® II, Pentium® III, Pentium® processor with MMX technology or an AMD Athlon™ processor, you can capture video and save it in MPEG format, in real time.

The Digital VCR Custom Settings provide four, pre-set MPEG recording settings, as well as AVI, and you can customize video and audio settings for your particular purposes.

To customize MPEG recording settings

Note	You should have a good understanding of MPEG before changing these settings. Of course, experimentation is a great teacher; if the results are not to your liking, simply click **Cancel** to return to the pre-set values.

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

2   Click the **Set Custom...** button.

The Custom Settings page opens.

3   Select the MPEG format you want to use.

- To change preset values, click the **Edit...** button. The Capture Wizard will guide you through making changes.

- To create a new capture format, click the **Create New...** button. The Capture Wizard will guide you through creating the new format.

Achieving the best results with MPEG video capture

To access MPEG properties

1   Click the setup button 🔲 in the Television control panel, then click the **Digital VCR** tab.

2   In **Recording Quality**, click the **Set Custom...** button.

3   Click **Best Quality**, then click the **Edit...** button.

Capture Wizard (Step 1) appears.

4   Enter a name and description (if desired) for the preset.

5   Click **Next >**.

Capture Wizard (Step 2) appears.

6   Select MPEG-1 or MPEG-2, then click **Next >**.

Capture Wizard (Step 3) appears

To select I-frame-only MPEG capture

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

1   Click the **I Frames Only** button.

2   Click **Next>**, then click **Finish**.

To select I, B, P frame MPEG capture

This uses more CPU, but greatly reduces the bit-rate required to achieve good quality video.

1   In Capture Wizard (Step 3), set **Number of P Frames in Group** to **4**.

2   Set **Number of B Frames in Subgroup** to **2**.

(Clicking the **Default** button sets the above values.)

To achieve full 29.97 frames/second capture performance in MPEG-1 or MPEG-2 format, we recommend the following settings. Example CPU speeds and bit rates (Mbps) are given, but note that 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
160x120	1.0	P200-MMX	1.0	P200-MMX
352x240	1.5	PII-266	2.0	P200-MMX
320x480	3.0	PII-400	4.0	PII-266
640x480	4.0	Athlon 600	6.0	PIII-450
720x480	4.0	Athlon 700	6.0	PIII-450

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 (75 or more) uses more CPU, but provides better quality video. A low setting (25 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 using a smaller frame size.
  - Capture video only, with no audio.

MPEG-1 decoders are widely used, so video encoded in MPEG-1 format can be played on many PCs. However, MPEG-1 playback on a PC uses the Microsoft MPEG-1 decoder, which may not provide the best performance.

MPEG-2 playback on a PC requires an MPEG-2 decoder. With ATI graphics cards, MPEG-2 decoders use the ATI hardware IDCT and motion compensation, which provides higher resolution video playback and less CPU loading than the Microsoft MPEG-1 decoder.

TV Listings

Gemstar's GuidePlus+ is an electronic television programming guide for Microsoft Windows. It provides advanced program information, such as station names and numbers, as well as program names and details.

Before you use TV Listings for the first time, it is recommended that you complete the TV Initialization Wizard (see *Setting up TV* on page 11).

You can schedule recording and viewing sessions, search for programs, and maintain a list of your favorite shows. For more information, see the TV Listings Help.

Note	• TV Listings is only available in North America. • You need an internet connection to download the TV listings to your computer. • TV Listings is not available with Video-In cards.

To start TV Listings

Click the TV Listings button in the TV control panel, or click **TV Listings** in the LaunchPad.

To access TV Listings information from TV

• When you Autoscan, TV Listings provides station names (see *Autoscan* in *TV Tuner settings* on page 16.)

• When you change channels, the current program name, and the station name and number are displayed.

|	
Note	When you use TV Listings, the TV Control panel is hidden and the following features are unavailable: • On-screen display of channel information. • Resizing the Display panel (see *page 12*). • Zoom and Pan (see *page 27*). • Video Desktop is deactivated when you open TV Listings, and reactivated when you close TV Listings (see *page 28*). • In TV-on-Demand mode, viewing goes to **Live** (see *page 33*). TV Listings is unavailable when you use the following features: • Channel Surf (see *page 20*). • When you capture video (see *page 31*).

Stills Gallery

The still images you
capture from TV, Video
CD, or File Player 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.
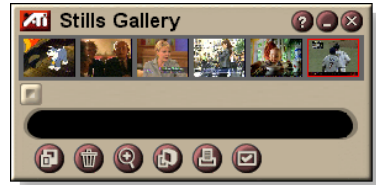
> *Note* If you close the Stills Gallery without saving, your
> captured still images are **deleted**.

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 Stills Gallery, TV, File Player, or Video CD 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	**Warn if closed without saving** Alerts you if you close Television or the Stills Gallery without saving captured images. **Show paths of saved images** Displays the drive, folders, and subfolders that contain saved images.
Tool Tips	**Show Tool Tips** Display tool tips for the Stills Gallery controls. **Show Short Cut** Display shortcut keys for the Stills Gallery controls.
Always on top	Keep the Stills Gallery on top of other applications.
Print Options	**Center image** Print image in center of page. **Image size:** Maximize Print in full-page format. One to one Print same size as original. Double Print twice original size.

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 70).

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® taskbar

1   In the Windows taskbar, click **Start**.

2   Point at **Programs ▶**.

3   Point at **ATI Multimedia Center ▶**.

4   Click **CD Audio**.

You can also start CD Audio from other Multimedia
Center features—DVD, Video CD, TV, and File Player.
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 (the list of your selections).
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. Use the buttons to add or remove selected tracks or all tracks.
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 CDDB$^{©}$ server for information about the disk. If the database contains information for your disk, CD Audio downloads and displays the data.

• Access to the CDDB 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 CDDB server (default: cddb.cddb.com)	**Port** Port to use with this CDDB 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. A CGI script must be defined (default: /-cddb/cddb.cgi)
Proxy Server Access the database using a proxy server	**Server** Address of proxy server (a proxy server is another computer on your LAN that connects to the Internet without compromising the security of your network.) **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.
Disable CD Database	No queries are performed when this box is checked.

CD Audio Schedule settings

You can schedule CD Audio to play on the dates and times you specify. If you have the features installed, you can also schedule events for TV Magazine, Digital VCR, File Player, and TV.

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 70 for details.

Video CD

Video CD plays Video CD 1.0 CDs and Karaoke CDs.

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 .

From Windows® taskbar

1   In the Windows taskbar, click **Start**.

2   Point at **Programs ▶**.

3   Point at **ATI Multimedia Center ▶**.

4   Click **Video CD**.

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

Video CD Control menu

You can access Video CD functions by right-clicking on the video viewing area or the control panel. This is very useful in full-screen mode. The following menu items are available:

Setup	Open the Video CD setup page.
Eject CD	Eject the video CD from the drive.
Play	Play the loaded Video CD.
Pause	Pause playback.
Stop	Stop playback.
Display Size	**50%** Display video at 1/2 size. **75%** Display video at 3/4 size. **100%** Display video full size. **200%** Display video at double size. **Full Screen** Display video in full screen, no borders.
Show Controls	Display the Control panel.
Audio Channels	Click to select audio tracks for dual-mode MPEG CDs: **Stereo** Stereo audio playback. **Both Channels** Both audio channels active. **Left Channel** Left channel audio only. **Right Channel** Right channel audio only.
Movie Scale	**Show Time** Display scale in time. **Show Frames** Display scale in frames. **Time Remaining** Display time remaining in current CD. **Total Time** Display total time of current CD.
Zoom	**Unzoom** Return to normal display. **Zoom 2x** Zoom to double size. **Zoom 4x** Zoom to 4 times size. **Zoom 8x** Zoom to 8 times size.
About...	Display the About... dialog.
Exit	Close the Video CD program.

Capturing still frames from Video CDs

To capture still frames from Video CDs

Click the Camera button in the Video CD control panel. The current frame is placed in the Stills Gallery (see *Stills Gallery* on page 43).

Zooming and Panning

You can zoom in on the video in the Display panel to enlarge a selected portion of the screen, and return your display to normal.

To zoom in

Click within the display panel, then hold down the mouse button and draw a rectangle around the area you want to zoom.

Or, right-click the 1:1 button to open a menu where you can set the zoom level— Zoom x2, Zoom x4, or Zoom x8.

To pan in the zoomed area

Move your mouse within the zoomed area.

To zoom in the zoomed area

Hold down the Shift key, and draw another rectangle in the zoomed area.

To unzoom or use predefined zoom levels

Right-click in the display panel to open the Control Menu (see *Video CD Control menu* on page 50), then click Zoom, and select Unzoom, Zoom x2, Zoom x4, or Zoom x8.

Or, click the 1:1 button to unzoom, or right-click the button to open a menu where you can set the zoom level — Zoom x2, Zoom x4, or Zoom x8.

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	**Show Tool Tips** Show tool tips when you point at controls with your mouse. **Show Shortcuts** Show keyboard shortcuts when you point at controls with your mouse.
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	**Show Frames** Display scale in frames. **Show Time** Display scale in time. **Show Total Time** Display the total time of the playing video CD or file. **Show Time Remaining** Display the remaining time in the playing video CD or file.
General Settings	Automatically play a loaded CD.
Power Management	Select one of the following levels: **Always** Power management always enabled. **Disabled while playing** Power management is disabled while a CD is playing. **Allow display to turn off while paused** Only the display turns off when playback is paused. **Disabled** Power management is never enabled.

Video CD Stills Gallery settings

You can capture still images from Video CDs, and save them in the Stills Gallery.

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. For information on the Stills Gallery, see *Stills Gallery* on page 43.

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.

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

To start DVD

from LaunchPad

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

from Windows® taskbar

1   In the Windows taskbar, click **Start**.

2   Point at **Programs ▶**.

3   Point at **ATI Multimedia Center ▶**.

4   Click **DVD**.

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

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.

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

Place a DVD disk in your DVD drive, then click the Play DVD button in the File Open dialog.

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, etc.).

• 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 Control

Parental Control 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.

Zooming and Panning

You can zoom in on the video in the Display panel to enlarge a selected portion of the screen, and return your display to normal.

To zoom in

Click within the display panel, then hold down the mouse button and draw a rectangle around the area you want to zoom.

Or, right-click the 1:1 button to open a menu where you can set the zoom level— Zoom x2, Zoom x4, or Zoom x8.

To pan in the zoomed area

Move your mouse within the zoomed area.

To zoom in the zoomed area

Hold down the Shift key, and draw another rectangle in the zoomed area.

To unzoom or use predefined zoom levels

Right-click in the display panel to open the Control Menu (see *DVD Control menu* on page 60), then click Zoom, and select Unzoom, Zoom x2, Zoom x4, or Zoom x8.

Or, click the 1:1 button to unzoom, or right-click the button to open a menu where you can set the zoom level — Zoom x2, Zoom x4, or Zoom x8.

DVD Control menu

As well as using the control panel buttons, you can access DVD functions by right-clicking on the video viewing area or the control panel. This is very useful when you play files in full-screen mode. The following menu items are available:

Setup	Opens the Preferences page.
Hide controls	Hides the full-screen controls (see *Full-screen controls* on page 56).
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 58).
Restart program	Starts play at the beginning of the file.
Go Up	Goes up in a playlist.
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 57).
Audio	Displays a menu of audio streams (see *Selecting audio streams* on page 57).
Angle	Displays a menu of camera angles (see *Selecting viewing angle* on page 58).
Parental Control	Displays a menu of parental level settings.
Search	Search for any title or chapter.
Zoom	Zoom 2x, 4x, 8x, Unzoom.
About...	Displays the About... dialog.
Exit	Closes DVD.

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 Preference	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). **Wide screen** Displays the full image with a width-to-height ratio of 16:9 (for wide-screen TVs). **Letterbox** Displays the image with top and bottom borders (in 4:3 format, for a shorter but full-width image). **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.
Options	**Keep Aspect Ratio** Maintains the aspect ratio (width-to-height ratio) when you resize the display. **Always on Top** Always displays the player on top of other windows. **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.
Tool Tips	**Show Tool Tips** Displays helpful aids for using DVD. **Show Shortcut** Displays shortcut keys.

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	Select a 1st choice and a 2nd choice for your preferred language. • DVD automatically selects the audio stream and subtitles 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 57).
Power Management	Select one of the following levels: • **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 Video settings

The Display Settings page lets you adjust video characteristics. Your hardware will determine which settings are available.

To open the DVD Video settings page

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

Brightness	Adjusts the intensity of light in your display.
Gamma	Adjusts the color brightness of your display. The higher the gamma, the higher the brightness and contrast, with maximum being a flat (unmodified) setting.
Saturation	Adjusts the richness of color (determined by the amount of grey in a color) in your display.

DVD Schedule settings

If you have the features installed, you can schedule events for TV Magazine, Digital VCR, File Player, and TV.

To open the DVD Schedule settings page

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 70 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.

If you insert a DVD disc whose region code is different from the currently-set value, a dialog appears where you can change the region code for your location.

You can only change Region Codes five times.	
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

File Player

Use the File Player to play various multimedia file formats. The types of file you can play depends on your system's software. For example, MPEG-2 file playback is available if software such as ATI's DVD Player is installed.

You can play the following, multimedia files:

• AVI

• MPEG (,mpg, .mpeg)

• MP (.mp3, .mp2)

• MIDI (.mid)

• WAV (.wav)

For information about using File Player controls, see the online help and Tool Tips

To start File Player

from LaunchPad

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

from Windows® taskbar

1   In the Windows taskbar, click **Start**.

2   Point at **Programs** ▶.

3   Point at **ATI Multimedia Center** ▶.

4   Click **File Player**.

File Player Control menu

You can access File Player functions by right-clicking on the video viewing area or the control panel. This is very useful when you play files in full-screen mode. The following menu items are available:

Setup	Open the File Player Setup page.
Hide/Show Controls	Hide the File Player Control panel.
Play	Play the current file.
Stop	Stop playing.
Time display mode	**Set time mode**: Elapsed Time Remaining Time Total Time
Zoom Mode	**Set Zoom**: Unzoom, Zoom 2x, Zoom 4x, Zoom 8x.
Video Size	**Set playback size**: 50%, 75%, 100%, 200%, Full Screen.
About...	Displays the "About" dialog.
Exit	Closes the File Player.

Zooming and Panning

You can zoom in on the video in the Display panel to enlarge a selected portion of the screen, and return your display to normal.

To zoom in

Click within the display panel, then hold down the mouse button and draw a rectangle around the area you want to zoom.

Or, right-click the 1:1 button to open a menu where you can set the zoom level— Zoom x2, Zoom x4, or Zoom x8.

To pan in the zoomed area

Move your mouse within the zoomed area.

To zoom in the zoomed area

Hold down the Shift key, and draw another rectangle in the zoomed area.

To unzoom or use predefined zoom levels

Right-click in the display panel to open the Control Menu (see *File Player Control menu* on page 66), then click Zoom, and select Unzoom, Zoom x2, Zoom x4, or Zoom x8.

Or, click the 1:1 button to unzoom, or right-click the button to open a menu where you can set the zoom level — Zoom x2, Zoom x4, or Zoom x8.

File Player Display settings

The Display settings page lets you control how video is displayed in the File Player.

To open the Display settings page

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

Video Size	Display video at 50%, 75%, 100%, 200%, or full screen.
Options	**LCD Display** Display track number and current playback time on an LCD display. **Always on Top** Always display File Player on top of other applications. **Auto Hide Controls when in Full Screen** Automatically hides controls in full-screen mode if no user interaction occurs. Controls automatically re-appear if you move the mouse. **Keep Aspect Ratio** Maintains the aspect ratio (width-to-height ratio) when you resize the display.
Time Mode	Set the time mode: **Elapsed** Time, **Remaining** Time, or **Total** Time.
Tool Tips	**Show Tool Tips** Displays helpful aids for using the File Player. **Show Shortcut** Displays shortcut keys.

File Player Preferences settings

The Preferences settings page lets you specify power management settings.

Power Management	Select one of the following levels: **Always** Power management always enabled. **Disabled while playing** Power management is disabled while a CD is playing. **Allow display to turn off while paused** Only the display turns off when playback is paused. **Disabled** Power management is never enabled.

File Player Stills Gallery settings

You can capture still images from the File Player.

To open the File Player Stills Gallery settings page

Click the Setup button in the File Player control panel, then click the **Stills Gallery** tab. For information on Stills Gallery, see *Stills Gallery* on page 43.

File Player Schedule settings

You can schedule the File Player to play media files on the dates and times you specify. If you have the features installed, you can also schedule events for CD Audio, TV Magazine, Digital VCR, and TV.

To set up scheduled events

Click the Setup button in the File Player control panel, then click the **Schedule** tab. The Schedule Wizard will guide you through creating new scheduled events. See *Schedule* on page 70 for details.

Schedule

Use the Schedule feature to activate events on the dates and times you want. You can schedule events for CD Audio, TV Magazine, Digital VCR, File Player, and TV.

To set up scheduled events

Click the Setup button in the DVD, TV, CD Audio, or File Player control panel. 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.

Schedule settings

Name	The name of the event. Checked events are active.
Feature	The feature to schedule: CD Audio, File Player, Television, TV Magazine, Video Capture, or Video CD.
When	When the event occurs.
Next Run Time	The next time the event will run.
Modify	Click to change values for a scheduled event.
Delete	Remove a scheduled event.
Delete All	Remove all scheduled events.

- Events whose date (On Month & Day) has passed are not automatically removed. To re-activate an event, set its Month & Day to today or later.
- If a settings page is open, or if the About Help... box is being displayed, the Scheduler cannot process events. If an event occurs, a warning dialog tells you that a particular event was not processed.
- When the Multimedia Center first runs, if there are any scheduled events recorded, and the Scheduler program is not running, a warning dialog tells you that the scheduled events will not be processed.

You can run the Scheduler immediately, and/or install it in your Windows Startup file, so that it runs every time Windows is started. the warning dialog is displayed whenever you click OK after adding an item to the scheduled viewing list.

TV Out

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 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.

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.

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 Desktop Help.

Teletext

ATI's new Teletext application lets you get the most out of working with Teletext. ATI Teletext eliminates all the familiar disadvantages of television's teletext, and allows you to surf in the teletext data stream. The *ATI Teletext User's Guide* provides complete installation and operating instructions.

> *Note*   Teletext is only available in Europe.

Troubleshooting

If you have problems with video or audio, try these suggestions.

Audio problems ...

No sound

Check your speakers:

• If you have external speakers, ensure that they are powered-on (POWER indicator light is on) and connected to the LINE-OUT or SPEAKER OUT connectors on your sound card.

Still no sound?

Play a .WAV sound:

1   Click **Start**, point at **Settings ▶**, select **Control Panel**, then double-click **Sounds**.

2   In the **Events** area, Click **Asterisk**, then click a .WAV file in the **Sound** area.

3   Click the Play button ▶ to preview the sound.

If you still do not hear any sound, open the Volume Control:

• Click **Start**, point at **Programs ▶**, point at **Accessories ▶**, point at **Entertainment ▶**, then select **Volume Control**. Or, right-click the speaker icon 🔊 (usually in the lower-right corner of your screen), then click **Open Volume Controls**.

> If the speaker icon is not in your Taskbar, do the following:
> • In the Windows Taskbar, click **Start**, point to **Settings**, then click **Control Panel**.
> • Double-click **Multimedia**.
> • In the **Audio** tab, check **Show volume control on the Taskbar**.

• Ensure that the **Volume Control** and the **Wave** channel are not muted or set very low. Also ensure that the **MIDI** (or Synthesizer) channel is not muted.

When you hear sound from your speakers, you know they are working.

• If you still experience audio problems, check the audio connections to your ALL-IN-WONDER 128 family card.

No sound from TV

Ensure that the audio connection between your ALL-IN-WONDER 128 family card or ALL-IN-WONDER RADEON card and your sound card is correct.

• For complete installation instructions, refer to the *ALL-IN-WONDER 128 / ALL-IN-WONDER 128 PRO / ALL-IN-WONDER RADEON Installation and Setup User's Guide*.
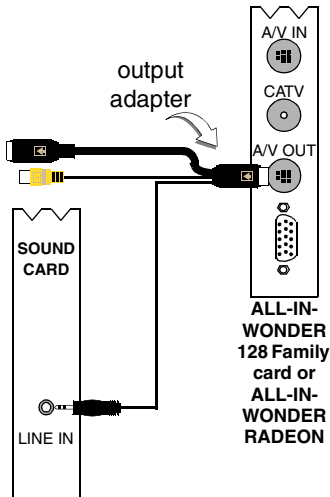
Can't capture sound

Check the Record mixer settings:

1 Click **Start**, point at **Programs ▶**, point at **Accessories ▶**, point at **Entertainment ▶**, then select **Volume Control**. Or, right-click the speaker icon 🔊 (usually in the lower-right corner of your screen), then click **Open Volume Controls**.

2 In the **Volume Control** menu, click **Options**, click **Properties**, click **Recording**, then click **OK**. The **Recording Control** opens.

3 Ensure that **Line** (or the Audio input you selected in the *Sound Initialization Wizard* — see) is checked, then click ✖ to close the dialog.

Can't capture sound when recording from a videotape.

Connect the VCR audio output to your PC:

• Left and right audio output from your VCR must be connected to your ALL-IN-WONDER 128 family card or ALL-IN-WONDER RADEON card (note that S-Video does not provide an audio connection). For complete installation instructions, refer to the *ALL-IN-WONDER 128 / ALL-IN-WONDER 128 PRO / ALL-IN-WONDER RADEON Installation and Setup User's Guide*.
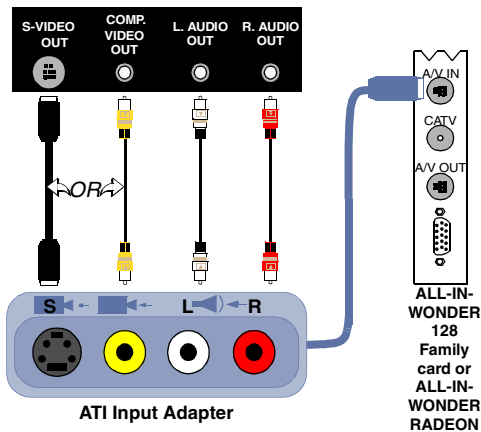
**No sound on the videotape
when outputting to a VCR**

Connect your PC audio to the VCR:

• Left and right audio output from your VCR must be
connected to your ALL-IN-WONDER 128 family card or
ALL-IN-WONDER RADEON card (note that S-Video does
not provide an audio connection). For complete installation
instructions, refer to the *ALL-IN-WONDER 128 /
ALL-IN-WONDER 128 PRO / ALL-IN-WONDER RADEON
Installation and Setup User's Guide*.
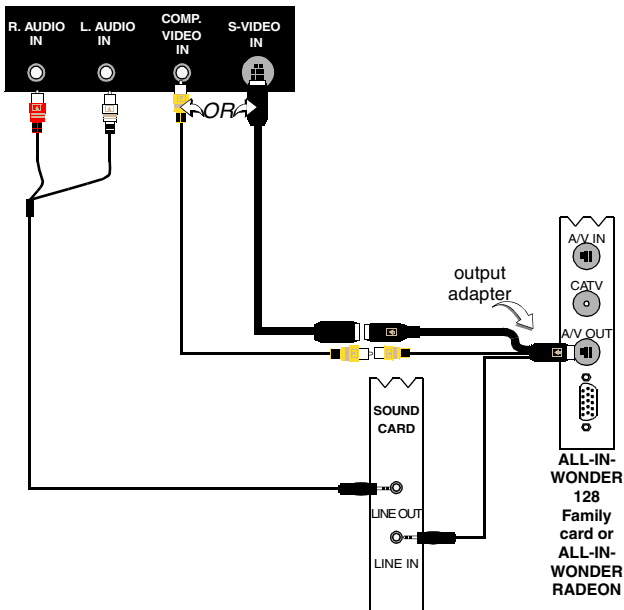
Video problems ...

Video is unstable or only black and white

Check that you are using the correct broadcast standard format:

• See *Broadcast Standard* in *TV video settings* on page 15. For proper operation, you must specify your country in the *TV Channels Initialization Wizard* (see *page 11*).

• Check the quality of your incoming TV signal on another receiver; bad reception may be the cause.

There is no video or audio

• Ensure that your cable or antenna is connected.

• Ensure that the video connector is set to the correct source (see **Connector** in *TV video settings* on page 15).

• Check that the audio and video connectors are securely plugged into the correct jacks.

• Check that your video card is securely seated in its slot. Please refer to the user guide for the card location.

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