TV Tuner Card/Box

My Cinema-P7131D
My Cinema-P7131
My Cinema U3000

E2110
Revised Edition V2
August 2005

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Notices

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

Safety information

Electrical safety

- To prevent electrical shock hazard, disconnect the power cable from the electrical outlet before relocating the system.
- When adding or removing devices to or from the system, ensure that the power cables for the devices are unplugged before the signal cables are connected. If possible, disconnect all power cables from the existing system before you add a device.
- Before connecting or removing signal cables from the motherboard, ensure that all power cables are unplugged.
- Seek professional assistance before using an adpater or extension cord. These devices could interrupt the grounding circuit.
- Make sure that your power supply is set to the correct voltage in your area. If you are not sure about the voltage of the electrical outlet you are using, contact your local power company.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.

Operation safety

- Before installing the motherboard and adding devices on it, carefully read all the manuals that came with the package.
- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- To avoid short circuits, keep paper clips, screws, and staples away from connectors, slots, sockets and circuitry.
- Avoid dust, humidity, and temperature extremes. Do not place the product in any area where it may become wet.
- Place the product on a stable surface.
- If you encounter technical problems with the product, contact a qualified service technician or your retailer.

About this guide

This user guide contains the information you need when installing and configuring the ASUS TV Tuner Card/Box.

How this guide is organized

This user guide contains the following parts:

- **Chapter 1: Product introduction**

  This chapter describes the features of the ASUS TV Tuner Card/Box.

- **Chapter 2: Hardware information**

  This chapter lists the hardware setup procedures that you have to perform when installing the ASUS TV Tuner Card/Box.

- **Chapter 3: Software information**

  This chapter gives information on how to install device drivers and applications for the ASUS TV Tuner Card/Box.

- **Appendix: Reference information**

  This chapter includes information on the remote controller, the key table, and international TV systems and standards.

Where to find more information

Refer to the following sources for additional information and for product and software updates.

1. **ASUS websites**

   The ASUS website provides updated information on ASUS hardware and software products. Refer to the ASUS contact information.

2. **Optional documentation**

   Your product package may include optional documentation, such as warranty flyers, that may have been added by your dealer. These documents are not part of the standard package.

Conventions used in this guide

To make sure that you perform certain tasks properly, take note of the following symbols used throughout this manual.

DANGER/WARNING: Information to prevent injury to yourself when trying to complete a task.

CAUTION: Information to prevent damage to the components when trying to complete a task.

IMPORTANT: Instructions that you MUST follow to complete a task.

NOTE: Tips and additional information to help you complete a task.

Typography

Bold text	Indicates a menu or an item to select.
Italics	Used to emphasize a word or a phrase.
<Key>	Keys enclosed in the less-than and greater-than sign means that you must press the enclosed key. Example: <Enter> means that you must press the Enter or Return key.
<Key1+Key2+Key3>	If you must press two or more keys simultaneously, the key names are linked with a plus sign (+). Example: <Ctrl+Alt+D>

Chapter 1

This chapter describes the features of the ASUS TV Tuner Card/Box.

Product introduction

1.1 Welcome!

Thank you for buying an ASUS® TV Tuner Card/Box!

The ASUS® TV Tuner Card/Box integrates several multimedia functions that allow you to transform your PC into the ultimate entertainment center. With the ASUS® TV Tuner Card/Box, you can watch and record live TV, capture and play back videos, make VCD/DVD movies, listen to MP3 music, tune in to your favorite FM station, and view photos on your PC.

Bundled with the ASUS® remote controller and the CyberLink® PowerCinema application, the ASUS® TV Tuner Card/Box offers performance, functionality, and enjoyment.

Before you start installing the card/box, check the items in your package with the list below.

1.2 Package contents

Check your ASUS TV Tuner Card/Box package for the following items.

	Item Description
1.	User guide
2.	ASUS Driver and utility CD
3.	Power Cinema software CD
4.	Remote control
5.	FM cable (for digital/analog hybrid TV card only)
6.	Video-in and audio cable (for digital/analog hybrid TV card only)
7.	Digital antenna cable (for digital/analog hybrid TV card only)
8.	USB cable (for TV box only)
9.	MCX-to-IEC adapter (for TV box only)

If any of the above items is damaged or missing, contact your retailer immediately.

- Make sure you use the same TV standard for all devices.
- The digital TV antenna cable and analog TV cable may be connected to the TV tuner card at the same time, but you cannot watch digital TV programs and analog TV programs simultaneously.

1.3 Special features

- Advanced Phillips video/audio decoder with two-bit video analog-to-digital converter (ADC) for excellent video quality
- Integrated entertainment package allows you to watch TV, tune in to FM radio, listen to MP3s, view DVD/VCD movies, organize pictures, and watch videos on your computer
- Provides you with complete TV experience on your computer with automatic channel scanning, channel surfing, and pre-scheduled recording in MPEG 1/2 format
- Supports Stereo and Dual modes while watching TV
- Comes with a remote control for ultimate convenience
- Video-in connector for external video stream
- Allows you to capture/edit/author/burn your favorite videos and images in one software package
- Allows you to build your own video security and monitoring system

Chapter 2

This chapter lists the hardware setup procedures that you have to perform when installing the ASUS TV Tuner Card/Box.

Hardware information

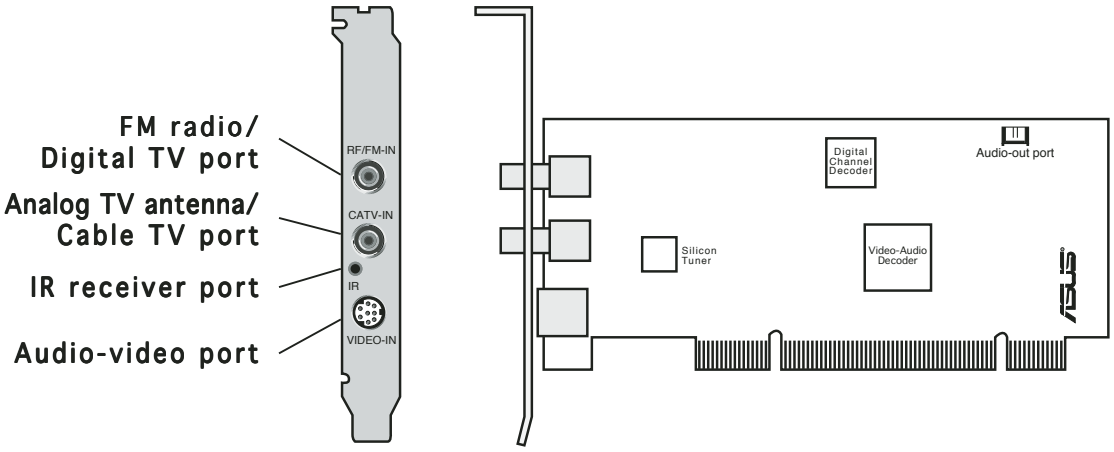
2.1 System requirements

Before installing the ASUS TV Tuner Card/Box, make sure your computer system meets the following requirements:

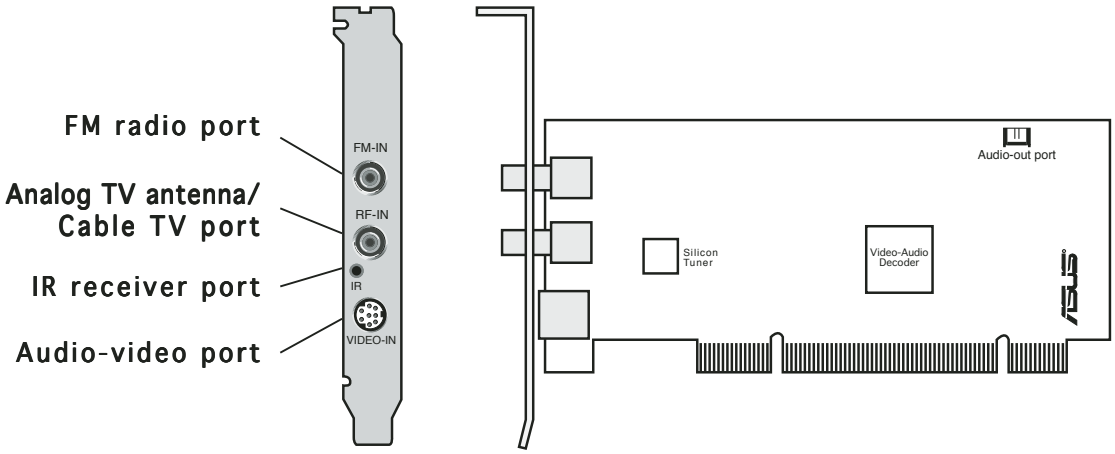
- Intel® Pentium® 4 or AMD K7 system or higher
- One (1) available PCI slot
- At least 256 MB system memory (512 MB or more is recommended)
- Graphic caard with at leat 32 MB video memory
- Optical drive for driver installation
- At least 1 GB free hard disk space
- Microsoft® DirectX-compatible audio device
- Microsoft® Windows® XP (Home/Professional Edition/ Media Center Edition 2005)
- Microsoft® DirectX 9.0 or higher
- Microsoft® Windows® Media Player 9 or higher

2.2 Card/Box layout

Digital/Analog TV card



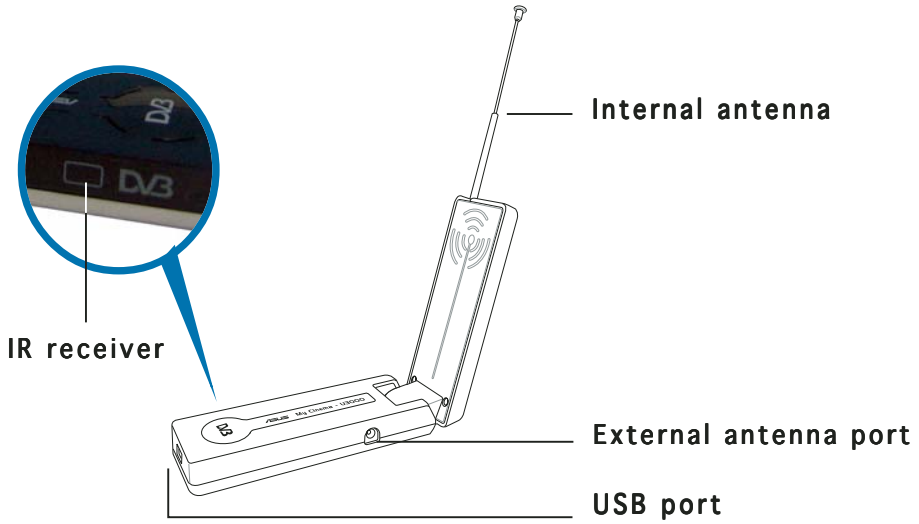
Analog TV card



Drawings are for reference only. The actual card layout may vary.

Digital TV Box

The ASUS MyCinema U3000 Digital TV Box allows your computer to receive digital TV signal (*DVB-T only*).



2.3 Before you proceed

Take note of the following precautions before you install the ASUS TV Tuner Card/Box.

- Unplug the power cord from the wall socket before touching any component.
- Use a grounded wrist strap or touch a safely grounded object or a metal object, such as the power supply case, before handling components to avoid damaging them due to static electricity.
- Hold components by the edges to avoid touching the ICs on them.
- Keep all components, such as the host adapter, in their antistatic bag until you are ready to install them. Likewise, whenever you uninstall any component, place it on a grounded antistatic pad or in the bag that came with it.
- **Before you install or remove any component, ensure that the ATX power supply is switched off or the power cord is detached from the power supply.** Failure to do so may cause severe damage to the motherboard, peripherals,

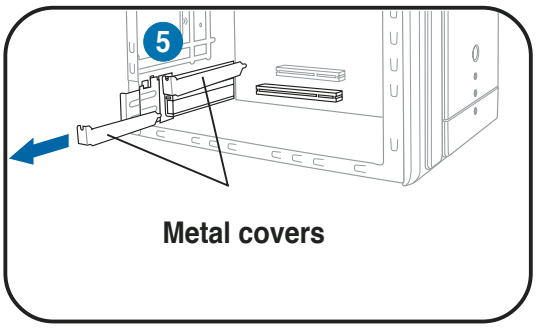
2.4 Installation

- You can install the ASUS TV Tuner Card only on a motherboard with a PCI slot.
- Illustrations in this section are provided only for reference. Your system chassis and configuration may differ from what is shown.

2.4.1 Installing the ASUS TV Tuner Card

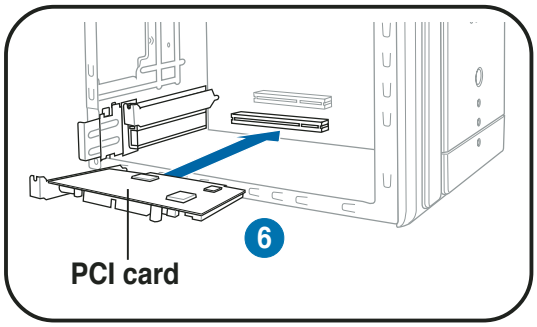
To install the ASUS TV Tuner Card:

1. Unplug the power cord.
2. Remove the system unit cover. *Refer to the documentation that came with your system for detailed instructions.*
3. Locate the PCI bus expansion slot. Make sure this slot is unobstructed.
4. Unlock the expansion card cover.
5. Remove the metal cover opposite the slot that you intend to use.

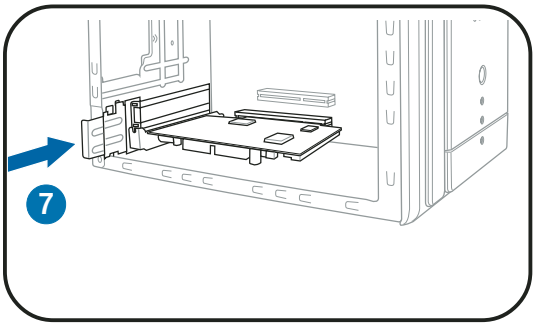


Metal covers

6. Align the card connector with the slot and press firmly until the card is completely seated on the slot.



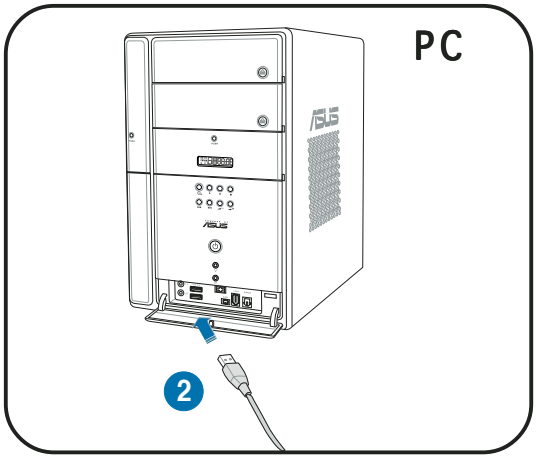
7. Replace the expansion card lock to secure the card to the chassis.

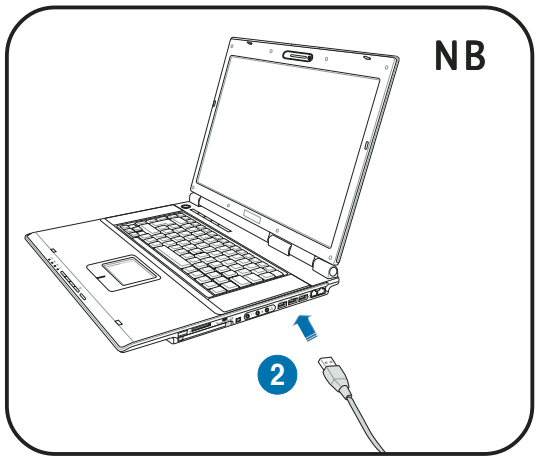


2.4.2 Installing the ASUS Digital TV Box

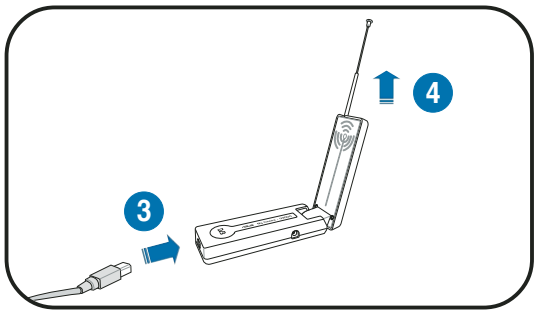
To install the ASUS Digital TV Box:

1. Place the ASUS Digital TV Box on a flat, stable surface close to your computer.
2. Connect the USB cord A series plug to the USB 2.0 port on your computer.



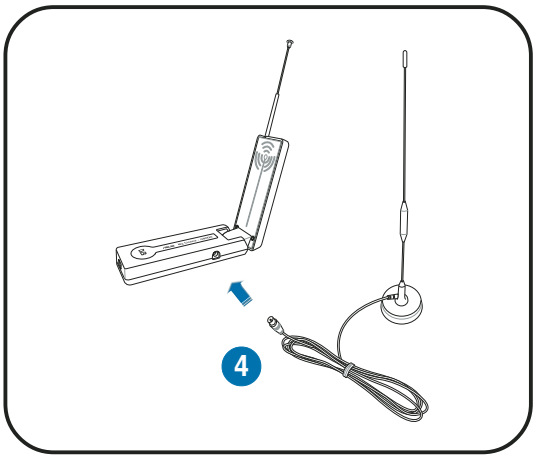


3. Connect the USB cord B series plug to the USB 2.0 port the ASUS Digital TV Box.
4. Pull out the internal antenna.



- or -

Plug in the external antenna cable into the port on the ASUS Digital TV Box.

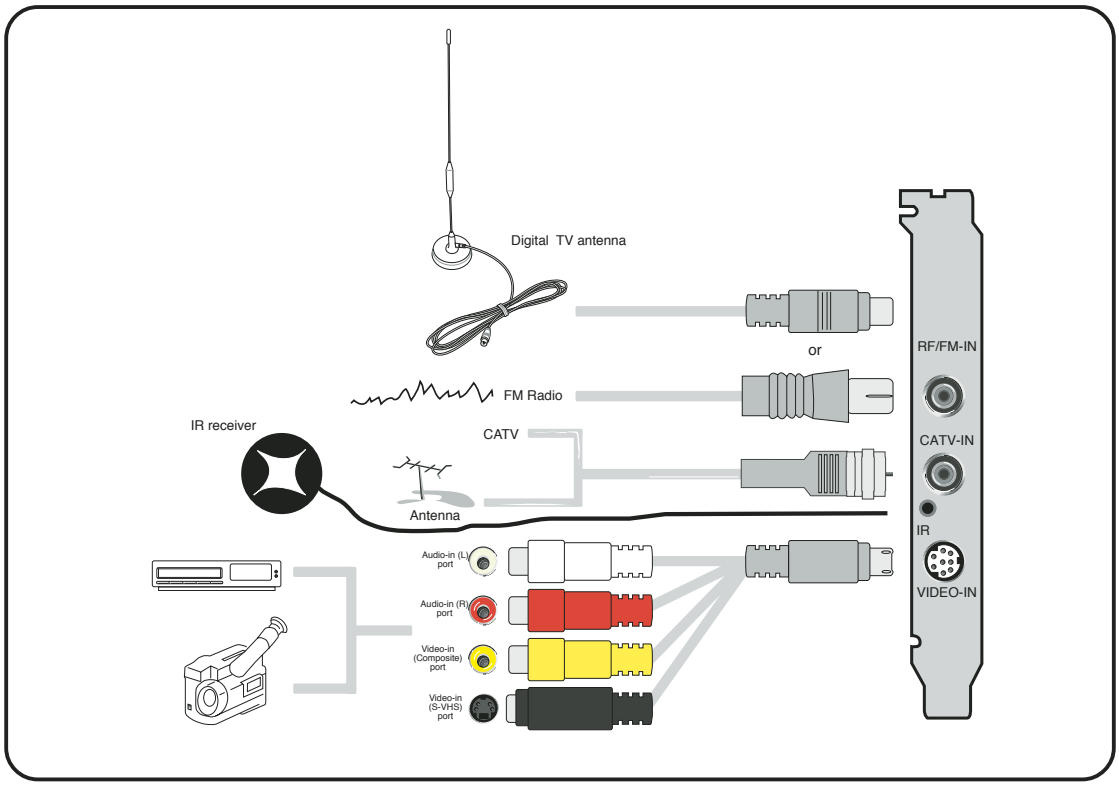


2.5 Connecting cables and devices

There are various types of cable TV (CATV) and antenna connections. Consult your dealer for the type of adaptor, splitter, A/B switch, or combiner that may be required when connecting the ASUS TV Tuner Card/Box to devices.

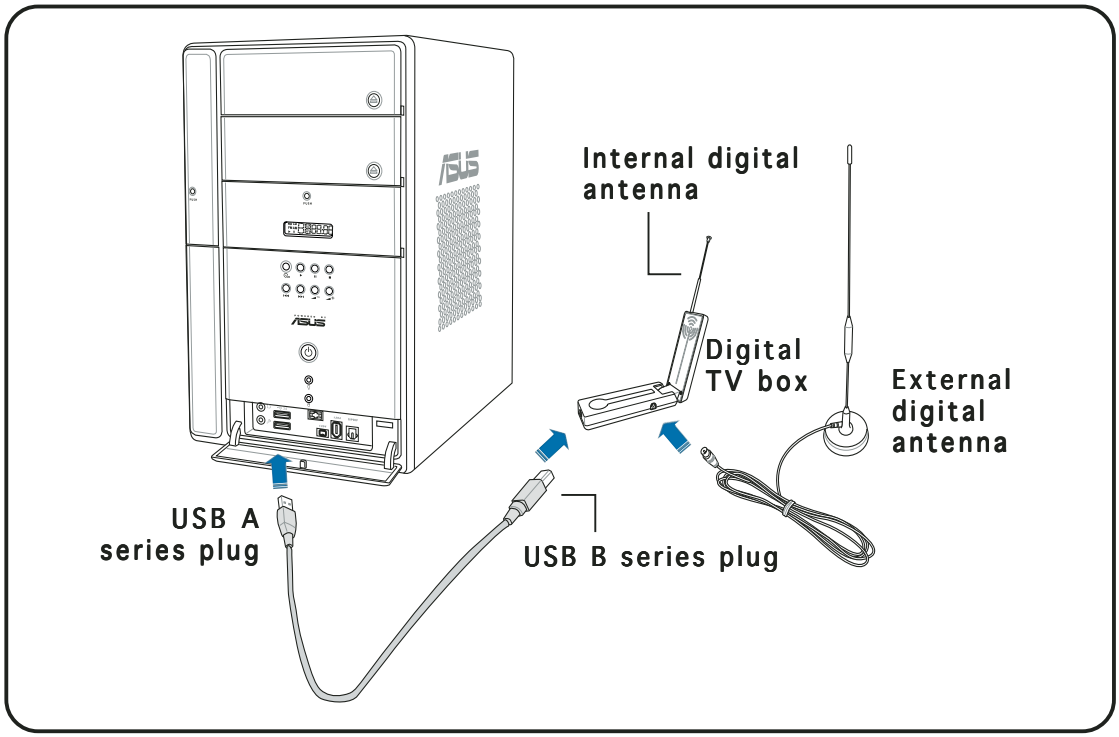
The ASUS TV Tuner Card/Box can receive up to 100 channels. If you do not have a CATV system, you may use an indoor or outdoor antenna that carries only VHF channels, or only UHF channels, or VHF and UHF channels to connect to the ASUS TV Tuner Card/Box.

2.5.1 Digital/Analog TV card



You may connect the **Digital/Analog TV card** to all devices as shown in the illustration above. For the **Analog TV card**, you cannot connect the digital TV antenna.

2.5.2 Digital TV box



You cannot use the internal and external digital antennas at the same time.

Chapter 3

This chapter gives information on how to install device drivers and applications for the ASUS TV Tuner Card/Box.

Software information

3.1 Device driver installation

You need to install the device drivers to your computer so you can use the ASUS TV Tuner Card/Box. Refer to this section when installing the device drivers.

- Make sure that **Windows® XP** is installed on your system.
- The screens shown in this section may not exactly match the contents displayed on your screen. Contents of the support CD may change any time without notice.

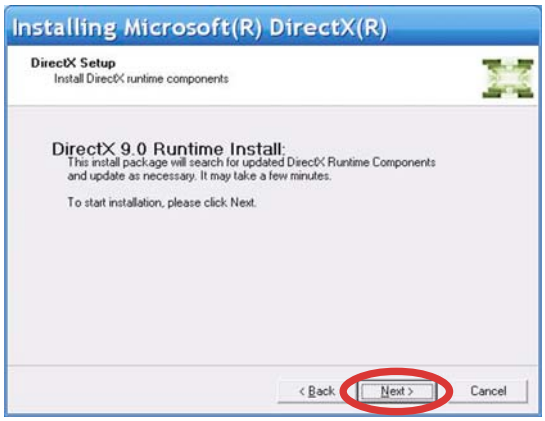
3.1.1 Installing Microsoft® DirectX®

Microsoft® Direct® X allows 3D hardware acceleration support in Windows® 98, Windows® 2000, and Windows® XP.

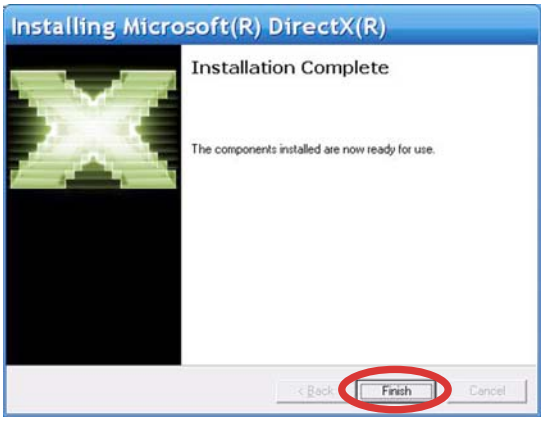
- Make sure you install **Microsoft® DirectX®** ***before*** installing the ASUS TV Tuner Card driver.
- For software MPEG support in Windows® 98, you must first install Microsoft® Direct® X, then install a MPEG-compliant video player.

1. Insert the installation CD in the optical drive, or double-click the CD drive in My Computer to display the auto-run screen. You may also run **Setup32.exe** in the directory **\AutoRun** of the CD.
2. Read the Microsoft® End User License Agreement. Click **I accept the agreement**, then **Next**.

3. The DirectX(R) Setup box appears. Click **Next** to begin installation.
4. The installation program automatically installs the DirectX® 9.0 runtime libraries into your system.



5. This message appears when setup is complete. Click **OK** to finish the installation process.

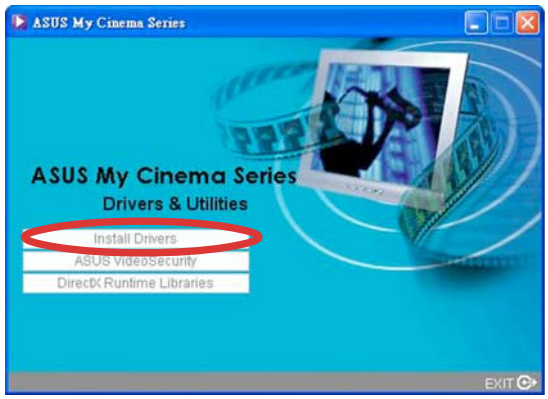


3.1.2 Installing the driver

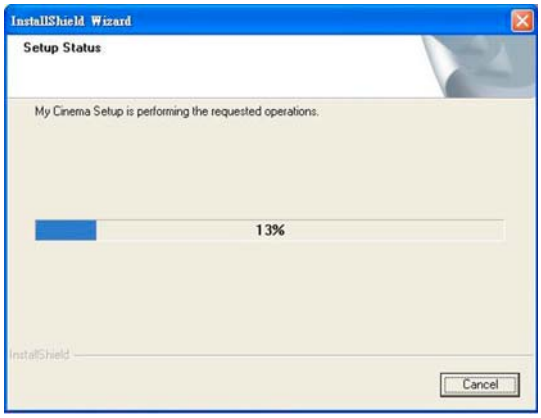
Using the ASUS Quick Setup Program (for Windows® XP)

1. Start your computer.
2. Windows® automatically detects the ASUS TV Tuner Card/Box and displays the **Found New Hardware Wizard** window. Click **Cancel**.

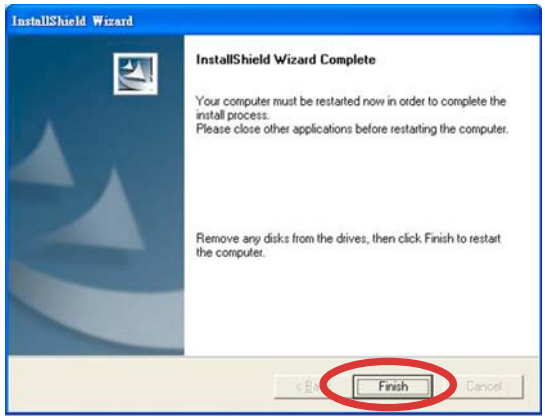
3. Insert the Windows® XP support CD into the optical drive.
   Click **Install Drivers**.



4. A progress bar appears to indicate the installation status.



5. After all necessary files have been installed in your system, click **Finish** to complete the installation process.



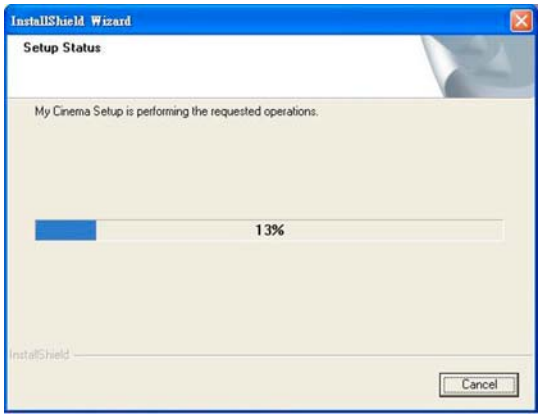
Using the ASUS Quick Setup Program (for Windows® Media Center Edition [MCE] 2005)

1. Start your computer.
2. Windows® automatically detects the ASUS TV Tuner Card/Box and displays the **Found New Hardware Wizard** window. Click **Cancel**.

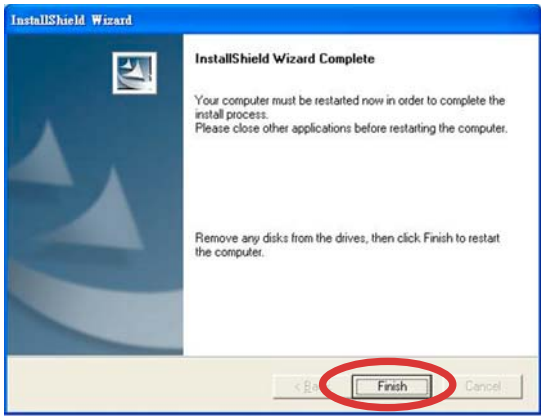
3. Insert the Windows® MCE support CD into the optical drive.

   Click **Install Drivers**.

4. A progress bar appears to indicate the installation status.



5. After all necessary files have been installed in your system, click **Finish** to complete the installation process.



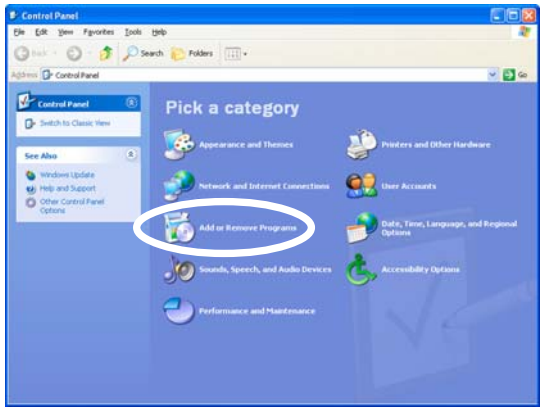
6. Install and activate ASUS DVD 6.

- Make sure you have installed and activated ASUS DVD 6 before using Windows® MCE; otherwise, you cannot use MCE.
- You may find the ASUS DVD 6 installation CD serial number on the CD label.

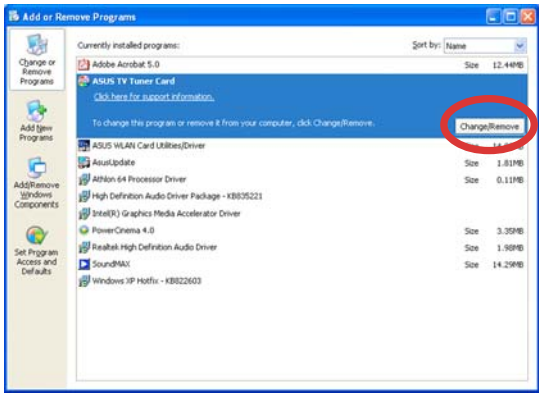
3.1.3 Uninstalling the drivers

If you want to update the drivers, or if you no longer need them, refer to this section to completely uninstall the drivers from your system to save disk space.

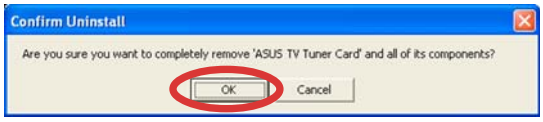
1. Click **Start** > **Control Panel**.
2. Double-click the **Add or Remove Programs** icon.



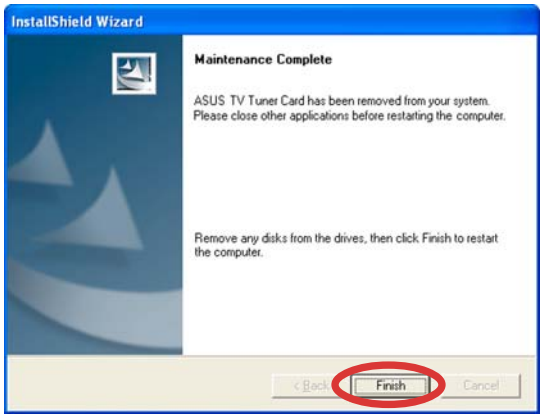
3. Click the **ASUS TV Tuner Card/Box Drivers** from the list.
4. Click **Change/Remove**.



5. A dialog box appears. Click **OK** to completely remove all ASUS TV Tuner Card/Box components; otherwise, click **Cancel**.



6. Close other applications before restarting the computer.
   Click **Finish**.



3.2 CyberLink® PowerCinema

Install the CyberLink® Power Cinema application only if you are using Windows® XP operating system. There is no need to install CyberLink® PowerCinema if you are using Windows® MCE.

The PowerCinema application comes with the ASUS Hybrid TV card support CD. This application allows you to watch TV and DVDs, listen to FM radio or music CDs, or browse pictures stored in your computer. Use the mouse or the remote controller to navigate through the user interface. For details on the remote controller, see the Appendix.

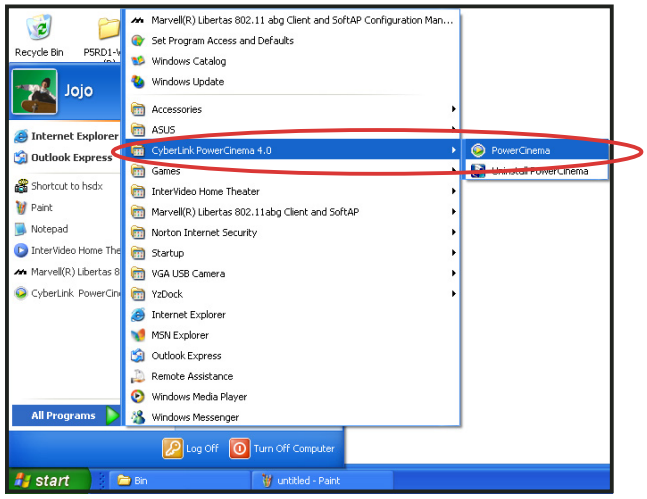
For more information on this application, browse and/or print the Cyberlink PowerCinema 4.0 User's Guide in the PowerCinema CD.

3.2.1 Launching PowerCinema

There are three ways to launch the PowerCinema application.

1. From the Windows® Start menu

Click **Start** > **All Programs** > **Cyberlink PowerCinema 4.0** > **PowerCinema.**



2. From the PowerCinema icon

Double-click the CyberLink PowerCinema icon on the desktop.

3. From the remote controller

Press the **Home** (🏠) key or any system button (except Power and Toggle) to launch the application. Refer to the Appendix for details on the remote controller.

3.2.2 Optimizing your computer for multimedia

During initial launch, a Setup Wizard prompts you to optimize your computer for various multimedia functions.

To optimize your computer:

1. From the Setup Wizard initial window, click **Next** to continue.

2. Select the screen ratio of your display device, then click **Next**.

3. Select the type of TV tuner card, then click **Next**.

   For the Digital Tuner Card/ Box, you can select either **Analog** or **Digital**, depending on your cable TV subscription.

   For the Analog TV Tuner Card, select **Analog**.

4. Select the TV connection type, then click **Next**.

   If you have a cable TV subscription, select **Cable**; otherwise, select **Antenna**.

5. Select your location, then click **Next**.

Setting the correct location allows the application to select the appropriate TV standard and DVD region to your location.

6. When prompted, click **Autoscan for TV Channels Now** (recommended); otherwise, click **Next** to continue.

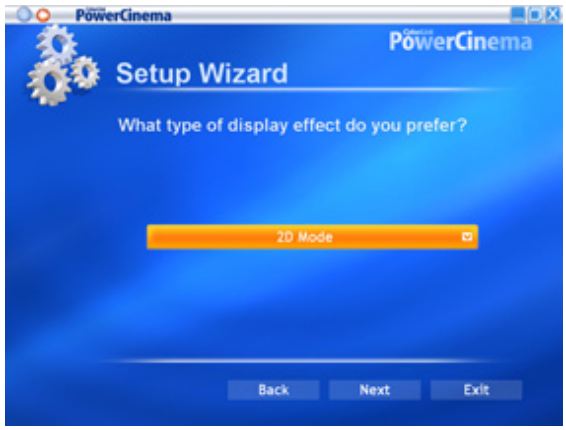
A new window appears when you autoscan the channels.

7. When prompted, click **Search for Radio Stations Now** (recommended); otherwise, click **Next** to continue.

8. The application then prompts you to search for stored music files in your computer.

   Click **Search for Music Now** (recommended); otherwise, click **Next** to continue.

9. Select a two- or three-dimensional display effect, then click **Next**.



10. When prompted, key-in your name and e-mail address, then click **Next**.

11. Click Finish to close the Setup Wizard and to display the PowerCinema 4 main menu.

You can run the Setup Wizard anytime by clicking or selecting from the PowerCinema home page.

3.2.3 Navigating through the home page

The home page has six multimedia functions (TV, Movies, Videos, Music, Pictures, Radio, Extras) and a configuration option (Settings) that you can select by pressing the up/down arrow of the remote controller or by using the mouse. To launch a function, press the OK button of the remote controller or click the mouse.

Scroll down to see more functions

Using the navigation controls

The navigation bar on the top of the window helps you navigate around PowerCinema.

Navigation control buttons			
	Home	-	Return to Home page
	Back	-	Return to the previous page
	Minimize	-	Minimize screen
	Full screen	-	Maximize/restore to full screen
	Close	-	Close application

3.2.4 Using the player control panel

When using a mouse, each multimedia screen has a player control at the bottom left corner of the display that allows control of the current function. The player controls correspond to the remote controller buttons.

Control buttons may vary depending on the current multimedia function.

Standard player control buttons			
	Stop		Volume down
	Play/Pause		Mute
	Rewind		Volume up
	Fast forward		Channel/station up
	Previous		Channel/station down
	Next		Snapshot image
	Record		

3.2.5 Using the remote control

The remote control that comes with the system allows you to control media playback. Most of the buttons function like a those on a consumer DVD or CD player.

The up, down, left, and right butons navigate through PowerCinema. Press **OK** (OK) to accept a selection and **BACK** (Back) to return to a previous page.

The **DVD/VCD [Movies]** (), **Music** (), **Pictures** (), and **Videos** () buttons open the related media types. To return to the Home page, click the Home () button. To scroll the content pages up/down, use the **CH/PG Up** and **CH/PG Down** () buttons.

Refer to the Appendix for more information on the remote controller.

3.2.6 Settings

Select **Settings** on the Home page to open options for configuring PowerCInema.

General settings

Power Cinema Help. Open the Help system.

Display Settings. Configure your display device.

Audio Settings. Configuring your computer's audio.

Run Setup Wizard. Run the wizard that appears the first time you run PowerCinema, allowing you to optimize your computer if you did not do so after installation, or if you upgrade your computer. You can also register your copy of PowerCinema using this wizard.

About Power Cinema. Open a page with version and copyright information, as well as your personal registration information.

Restore Default Settings. Return all settings in PowerCinema to their original values.

You can find other settings in the function-specific help sections.

Display settings

Screen Ratio. Indicate if you have a standard (4:3) or widescreen (16:9) display.

Movie Display Type. Determine how movies and videos are converted to fit the scereen when they do not match the screen ratio.

Letterbox. Keep the video display undistorted and fill the extra space with black bars.

CPLV is a video stretching technology from CyberLink that produces minimal distortion in the center of the picture.

Pan & Scan. Display the central portion of DVD titles in widescreen ratio. Drag the display area to view different portions of the video.

Color Profile. Change the overall color scheme of video content during playback.

Original. Use the color scheme of the disc you are watching.

Vivid, **Bright**, and **Theater.** Add enhanced color to the video display.

CLEV is a video enhancement technology from CyberLink that dynamically adjusts the brightness, contrast, and saturation if the movie you are watching contains scenes that are too dark or bright.

Options other than **Original** require more system resources to run.

Load Default Settings. Return the settings on this page to their original values.

Apply. Effect the changes you made.

Audio settings

Speaker Environment. Match the number of speakers you have.

SPDIF. Enable digital audio output.

Output Mode. Determine the special processing used on the audio signal. Experiment with the available settings to decide which you prefer.

Audio Channel Expander. Expand the range of sound of four- or six-speaker output.

CLMEI is an audio channel expansion technology from CyberLink that converts stereo audio sound and outputs it to multiple channels. There are three variations: **CLMEI - Movie** for watching movies, **CLMEI - Music** for regular music output, and **CLMEI - Onstage** for a more live sound.

Dynamic Range Compression. Options for different listening environments.

Normal Environment. Create a standard virtual listening environment.

Quiet Environment. Emphasize even the slightest sound effect in a movie.

Noisy Environment. Amplify low range audio signals, which are especially suitable for notebook computers.

Load Default Settings. Return the settings on this page to their original values.

Apply. Effect the changes you made.

3.2.7 Watching TV

The PowerCinema application allows you to watch TV on your computer. Select **TV** on the Home page, then press **OK** from the remote controller, or click the mouse to display the main TV page.

Make sure that you autoscan the channels before you watch TV on your computer. Use the PowerCinema 4 **Setup Wizard** or click the **Settings** button from the TV screen to scan for available channels and/or configure the TV settings.

To watch TV in full screen, highlight the TV window using the remote controller or mouse, then press the remote controller **OK** button or click the mouse. To change channels, use the remote controller or the keyboard Page Up/Page Down keys or the numeric keys.

TV buttons

Buttons	Click this button to
Live TV	watch full screen live TV on your computer .
Recorded TV	play, sort, and manage recorded TV programs.
Schedule	set the channel, program, and time for TV recording.
TV Preview	display a thumbnail of each available channel.
Program Guide	view the program guide from your Electronic Program Guide (EPG) provider or EPG source (Internet).
Find Program	search for programs by channel or category.
Settings	change or adjust the signal, channel, recording, and EPG settings.

TV player control buttons

When you watch TV, the following additional buttons appear on the player controls:

TV player control buttons			
	Channel up	-	switch up one channel
	Channel down	-	switch down one channel
	Snapshot	-	take a snapshot of the current frame
	Teletext	-	display TeleText information
	Record	-	record TV content as video file

Instant Replay

By default, the instant replay function is enabled in PowerCinema. To create an instant replay, PowerCinema records the TV broadcast as a file, creating a slight lag between the broadcast and the TV content that you watch. You can navigate forward and backward to create an instant replay or to skip over commercials.

TV Recording Schedules

To set a recording schedule, select **New Schedule**. (Make sure that **TV** is selected.) In the page that opens, select the Channel you want to record, the Scheduling Interval, and the recording date and times. Select **Apply** to activate the recording schedule, or **Cancel** to quit without accepting the schedule. Select an existing recording schedule to open it for modification. Select **Delete** to remove a recording schedule you have previously created.

TV Preview

TV Preview displays a wall of thumbnails, giving you a preview of all available channels. The TV Preview scrolls automatically through all of the available channels. Select a thumbnail to watch the corresponding channel.

Program Guide lists available programs by channel and time. **Find Program** allows you to find a specific TV program. To change the order in which items are displayed, use the **Sort By...** option.

TeleText

When you select the **TeleText** button, the TeleText page opens, displaying listings with different kinds of information. To navigate within the TeleText function, use the remote control buttons or the playback control buttons.

Select the **TeleText** button to scroll through the TeleText, transparent (TeleText+TV), and Live TV pages. Press the **Backspace** button on the keyboard or the **BACK** button on the remote to return to the main TV page.

When you use the TeleText function, the following special controls are added to the pop-up control panel: **Red** (opens TeleText pages marked in red), **Green** (opens TeleText pages marked in green), **Blue** (opens TeleText pages marked in blue), **Yellow** (opens TeleText pages marked in yellow). You can also use the corresponding buttons on the remote to perform the same functions.

Previous Page (jumps back one page), **Next Page** (jumps forward one page), **Previous SubPage** (jumps back one subpage), **Next SubPage** (jumps forward one subpage), and **Snapshot** (captures the TeleText screen in BMP format).

TV Settings

Signal Settings

Signal Type. Set your TV signal as **Digital** (for digital TV tuner card/box only) or **Analog**, depending on your cable TV subscription.

TV Source. Select if your TV receives signals from an antenna or a cable.

Region. Select the country or region where your cable provider is located.

Audio. Set your audio output. Options depend on your TV's signal type, but may include **Mono**, **Stereo**, or the enhanced signals **Dual A**, **Dual B**, or **Dual AB** that augment the main audio, provide an audio translation, or offer other information.

Enable Time-Shifting. Set to **Yes** to watch instant replays.

Channel Settings

Scan Channels. Scan and list the available TV channels.

Deselect. Disable a channel in the list. Disabled channels are not available for watching when you return to the TV page.

Rename. Rename a channel in the list.

Recording Settings

Recording Quality. Set the quality of video recorded from TV. Selecting a higher quality results in a larger recorded file.

Recording Destination. Set the destination where files recorded from TV are saved.

Guide Settings

EPG Source. Indicate if you want to use **NextView** or the **Internet** as your source of EPG (electronic program guide) information. Select your EPG provider from the EPG Provider list. If no list of EPG providers exists, select **Scan Providers**. Your computer will scan and list all available providers.

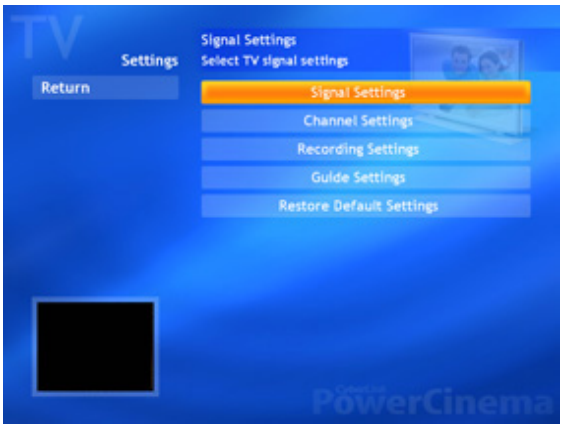
Changing the TV signal

If you have a digital cable TV subscription (for digital TV tuner card/box only), you must change the TV signal setting using the TV Settings window.

To change the signal setting:

1. From the TV screen, select **Settings**, then press **OK**.

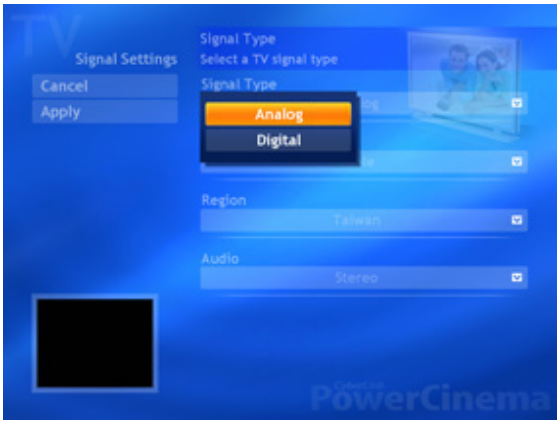
2. Select **Signal Settings** from the TV settings window, then press **OK**.



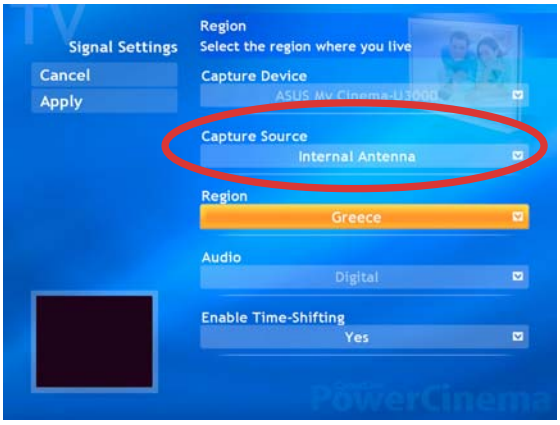
3. Select **Signal Type** from the signal settings window, then press **OK**.

You can also change these settings using the **Settings** screen

4. Select **Digital** from the menu, then press **OK**.



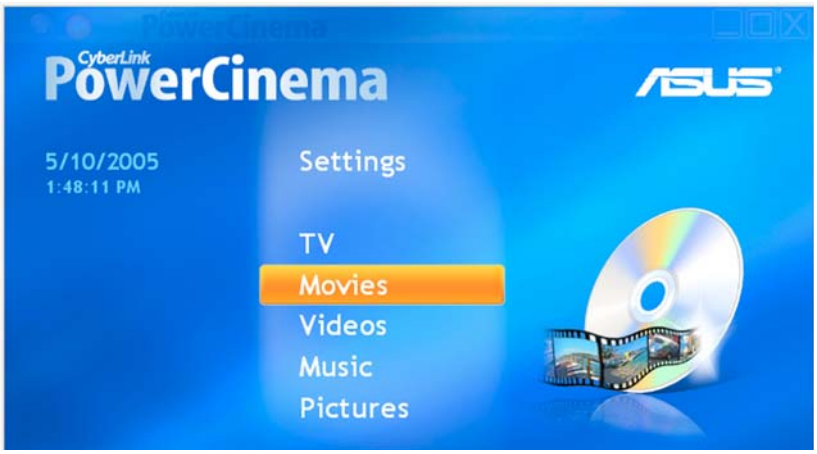
5. Choose the **Capture Source** from the menu, then press **OK**.
6. Highlight the **Apply** button, then press **OK**.



The **Capture Source** option is only for the ASUS MyCinema U3000 digital TV tuner box. This item is set to **Internal Antenna** by default.

3.2.8 Watching movies

PowerCinema allows you to watch DVD or VCD movies on your computer.



To watch a movie:

1. Insert the DVD or VCD movie to the optical drive. When playing DVDs, make sure that the optical drive supports the DVD standard.
2. Select **Movies** from the main menu, then press **OK** from the remote controller, or click the mouse to start watching the movie.
3. Use the remote controller or the player control buttons to stop, play, pause, forward, or rewind the movie.

   To capture a still image of the current video frame, click

If the disc you inserted does not match the region code of the disc player, a screen appears with this message.

You may change the region code only up to four (4) times.

DVD/VCD player control buttons

When you watch DVD/VCD, the following additional buttons appear on the player controls:

DVD/VCD player control buttons			
	Main menu	-	display the disc's menu page
	Subtitles	-	switch among subtitle languages
	Language	-	switch among available overdub languages
	Snapshot	-	take a snapshot of the current video frame
	Angle	-	switch among available camera angles

Movie Settings

Subtitles. Select the default subtitle language, when available.

Title Default. Use the original language of the disc you are watching.

Closed Captions. Determine the location of the closed captioning function. When this option is set to **Normal**, closed captions appear across the bottom of the screen. When set to **Elevated**, closed captions appear across the top of the screen.

Audio. Select the default language for the movie's audio track.

Display Upon Mute. Determines the optional display when the volume is muted. If you enable this option, you can choose to display subtitles or closed captions.

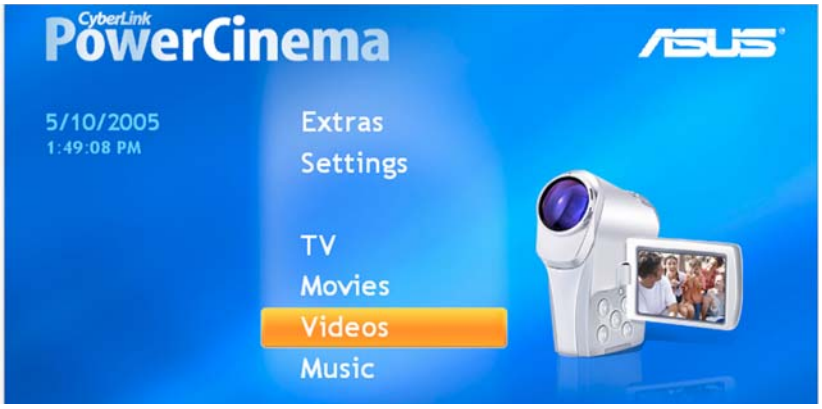
Load Default Settings. Return the settings on this page to their original values.

Apply. Effect the changes you made.

3.2.9 Watching videos

PowerCinema allows you to watch video files on your computer. The following video file formats are supported: .dat, .mppg, .mpe, .mpv, .avi, .asx, .mpeg, .div, .divx, .wm, .wmv, .m1v,. m1s, .m2v,. vro, .vob, .dvr-ms, .MPEG-1, and .MPEG-2.

You may need to install a special driver to view .divx and .dvr-ms files.



To watch a video:

1. Select **Videos** from the main menu.
2. Choose the video file you would like to play.
3. Use the remote controller or the player control buttons to stop, play, pause, forward, or rewind the video.

   To capture a still image of the current video frame, click

Video buttons

Buttons	Click this button to
Sort by...	change the order by which folders or files are displayed.
My Videos	view videos in the My Videos folder in your computer.
Recent Videos	play videos you recently played (playback resumes at the point you stopped watching).
More Folders	locate and view videos stored in other folders.

Browsing for Videos

To change the order in which items are displayed, use the **Sort By...** option. To view videos in the My Videos folder on your computer, select **My Videos**. To display videos that you have recently viewed, select **Recent Videos**. Playback resumes from the point you stopped watching.

To view videos that are located in other folders, select **More Folders**. Browse through the drives and folders to locate the videos you want to watch. Select **Network Videos** to access video files on a UPnP (Universal Plug and Play) media server.

3.2.10 Enjoying music

PowerCinema lets you browse, organize, and play your music collection. You can also rip audio CDs with PowerCinema's easy-to-use interface. The following audio formats are supported: .asf, .mp3, .wav, and .wma. You can use playlists in .asx, .m3u, and .wmp formats to listen to your favorite songs in your preferred order.

To enjoy your music collection:

1. Select **Music** from the main menu.
2. Choose the folder where the music file you would like to play is located.

3. Choose the track or file you would like to play.
4. Use the remote controller or the player control buttons to stop, play, pause, forward, or rewind the music.

Music buttons

Buttons	Click this button to
Play	listen to your selected song/s.
Shuffle	play songs in random order.
Repeat All	repeat playing all the songs in the list.
Visualize	watch computer-generated visuals while you listen to music.
Rip CD	rip audio CD tracks to your hard disk drive in .wma format.

Listening to Music

Select a song in a list (or a track on a CD) to listen to that individual song.

Play. Listen to a list of songs from the top.

Shuffle. Play songs in random order.

Repeat All. Repeat a list of songs after the entire list has played.

Recent Music. Display the most recent music that you have listened to.

Album, **Artist**, **Playlist**, or **Genre.** Sort music.

All Songs. List all available music by song title.

Browsing for Music

More Folders. Listen to music located in other folders. Browse through the drives and folders to locate the music you want to listen to.

Network Music. Access music files on a UPnP (Universal Plug and Play) media server.

Watching Visualizations

Visualize allows you to watch computer-generated visualizations while you listen to music. To exit the visualization, click anywhere on the screen, press **BACK** on the remote, or **Esc/Backspace** on the keyboard.

Using Playlists

Playlists are simply lists of songs. Using a playlist, you can sequence songs from different sources. PowerCinema allows you to use the playlists you create in Windows Media Player.

To create a new playlist in WMP 9:

1. Open Windows Media Player and select File > New Playlist... The New Playlist window appears.
2. Click a song to add from your Media Library. Repeat this for each song you wish to add.
3. In the Playlist window, enter a name for your playlist.
4. Click **OK** to save the playlist.

Ripping Audio CDs

To rip an Audio CD to your hard drive:

1. Display the CD tracks in the content area.
2. Select **Rip CD**.
3. In the window that opens, select tracks for ripping.

   Use **Select All** or **Deselect All** to manage all tracks simultaneously. (Checked tracks are ripped, unchecked tracks are not ripped.)
4. Select **Start Ripping**. Tracks are copied into a new folder under the My Music folder and organized in PowerCinema.

Music Settings

Default Visualizations. Select the computer-generated visualizations while you listen to music.

Default Ripping Quality. Determine the file quality of songs you rip from an Audio CD.

Search for Music. Scan your computer for music files that can be played in PowerCinema.

3.2.11 Viewing pictures

PowerCinema lets you view and edit digital pictures in the following formats: .BMP, .JPEG, and .PNG). You may view them individually or as a slide show.

Browsing for Pictures

Sort By... Change the order in which items are displayed.

My Pictures. View pictures in the My Pictures folder on your computer.

Recent Pictures. Display pictures that you have viewed recently.

More Folders. View pictures that are located in other folders. Browse through the drives and folders to locate the pictures you want to view.

Network Pictures. Access picture files on a UPnP (Universal Plug and Play) media server.

Picture Settings

Slide Duration. Determine how long each slide in a slide show is displayed before automatically advancing.

Slide Show Transition. Set the transition style used between slides in a slide show.

Load Default Settings. Return the settings on this page to their original values.

Apply. Effect the changes you made.

Picture buttons

Buttons	Click this button to
Play SlideShow	view pictures in a slide show.
Sort By...	change the order by which folders or files are displayed.
My Pictures	view pictures in the My Pictures folder in your computer.
Recent Pictures	view pictures you recently viewed.
More folders	locate and view pictures stored in other folders.
Edit	edit selected photos
Settings	change picture settings.

Pictures player control buttons

When you view photos, the following additional buttons appear on the player controls:

Pictures player control buttons			
	Zoom in	-	magnify to preset levels the area you click on
	Zoom out	-	reduce to preset levels the area you click on
	Pan left	-	navigate the view area to the left
	Pan right	-	navigate the view area to the right
	Pan up	-	navigate the view area upward
	Pan down	-	navigate the view area downward

Viewing pictures individually

1. Select **Pictures** from the main menu.
2. Double-click the folder where the photos are located.
3. Use the remote controller or the player control buttons to zoom in, zoom out, pan left, pan right, pan up, and pan down. On the remote controller, use the **CH/PG Up** and **CH/PG Down** buttons to zoom, and the left/right arrows to pan.

Viewing pictures in a slide show

1. Select **Pictures** from the main menu.
2. Double-click the folder where the photos are located.
3. Select **Play Slide Show**. The slide show plays at full-screen.
4. Use the remote controller or the player control buttons to control or quit the slide show.

Editing pictures

1. Select **Pictures** from the main menu.
2. Select **Edit**.
3. Double-click the folder where the photo you want to edit is located.
4. Choose the photo you want to edit.
5. From the buttons on the left, click the button corresponding to the action you want to perform.
6. Click **Save** to effect the modifications permanently; otherwise, click **Undo**.

Editing options

Rotate. Rotate the picture 90° to the right.

Auto Fix. Automatically balance the picture's color and brightness.

Remove Red-Eye. Remove the red-eye created in flash photography.

Undo. Undo a modification you have performed on a picture.

Previous/Next. Edit the previous/next picture.

3.2.12 Listening to FM radio

PowerCinema lets you listen to the radio, add and organize favorite stations, and schedule automatic recordings on your computer.

Listening to the radio

1. Select **Radio** from the main menu.
2. Select **Scan Stations** to scan available radio stations.
3. Select **Create Station** to add a new radio station to the list of available stations.
4. Enter the station's frequency, then press <Enter> on the keyboard or OK on the remote controller.
5. Enter the station's name, then press <Enter> on the keyboard or OK on the remote controller.

Radio buttons

Buttons	Click this button to
All stations	display all available radio stations.
Favorites	display the radio stations you added to this list.
Recorded radio	listen to audio files recorded from the radio.
Play	listen to recorded files.
Shuffle	play recorded files in random order.
Repeat all	repeat playing recorded files in the list.

Managing Radio Stations

Manage Stations allows you to organize radio stations. A star indicates those stations that have been added to the Favorites list. Selecting a station in the list displays the following options: **Add to Favorites** (adds the station to your list of Favorites), **Delete** (removes the station from PowerCinema), and **Edit** (allows you to change the frequency and name).

Adding a New Station

1. Select **Create Station**. The new station appears in the list of available radio stations.
2. Enter the station's frequency, then press <Enter> on the keyboard or remote.
3. Enter the station's name, then press <Enter> on the keyboard or remote.

If no station list exists, select **Scan Stations**. Your computer will scan and list all available radio stations.

Setting a recording schedule

1. Select **Radio** from the main menu.
2. Select **Schedule**, then **New Schedule.**
3. Select the channel/station you want to record, the scheduling interval, and the recording date and times.
4. Click **Apply** to activate the recording schedule; otherwise, click **Cancel** to quit.
5. To remove a previously created recording schedule, select **Delete**.

Radio Settings

Tuning Scale. Set the increment used for tuning radio stations.

Seeking Scale. Set the increment used for seeking radio stations.

Recording Format. Sets the file format of audio recorded from the radio.

Recording Destination. Set the folder where audio files recorded from the radio are saved.

Load Default Settings. Return the settings on this page to their original values.

Apply. Effect the changes you made.

3.2.13 Extras

The Extras function displays extra features for enhancing the functionality of PowerCinema. You must be connected to the Internet to explore many of these extra features. Select **Extras** on the Home page to open the Extras function.

Content on the Extras page includes product upgrades and patches to improve PowerCinema's functionality. Select an upgrade or a patch to begin the download process. Select a program in the content area to launch it.

Since the content in the Extras function is constantly changing, be sure to visit often for regular updates, or just to check out the various links. When the Extras page contains updated information, an icon ( )appears next to **Extras** on the Home page.

3.3 MakeDVD (for Windows® XP only)

Create and share DVD/VCD videos

CyberLink PowerCinema makes creating and sharing videos fast and and easy. With the MakeDVD utility, you can add video content, design a disc menue, and burn your disc easily. For more information, click here.

3.4 PowerProducer (for Windows® XP only)

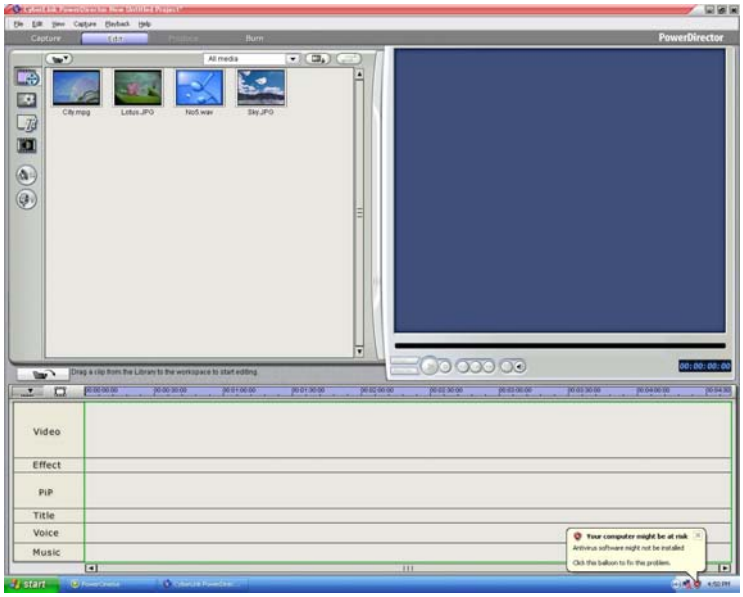
Author videos

CyberLink PowerProducer allows you to edit video, capture new media, and polish your movie before burning it to a disc. PowerProducer has simple but powerful production and video editing functions that make it easy for you to produce your movie. For more information, click here.

3.5 PowerDirector (for Windows® XP only)

Edit and burn videos in DVD or VCD

CyberLink PowerDirector is a digital video editing program that helps you create professional-looking video movies, complete with music, voice-over, special effects, and transition effects. For more information, click here.



3.6 ASUS Splendid

ASUS Splendid Analog TV Video Enhancement Technology takes computer graphics capabilities to the next level by automatically enhancing image quality, depth, color intensity, and image details for the best visual results. With ASUS Splendid meeting high visual demands, watching movies and TV on your computer can indeed be a splendid experience.

ASUS Splendid Video Enhancement Technology makes colors come alive and brings out optimum brightness and contrast levels even in dark scenes. You may choose from four viewing profiles for different video viewing conditions. Select the profile that best that suits your viewing environment: Enriched (Standard), Vivid Color (Color-enhanced), Theater (Cinematic effects), and Crystal Clear (Enhanced contrast.)

For more information, click here.

3.7 ASUS VideoSecurity Online

VideoSecurity Online is a powerful monitoring and motion-detecting software. With video capture devices such as CCD, V8, digital Hi-8 and others, you can use VideoSecurity Online to:

- find intruders
- monitor your environment
- detect changes in a specified location
- know in advance who your visitors are

Upon detection of any variation, whether it is an error or not, VideoSecurity Online will do the following:

- save the date/time information on when the condition started, and when to release tracing to a database file. (watchdog.mdb)
- capture the condition detected and save it into a bitmap file with reference to an image that represents the normal situation before VideoSecurity Online started detecting the variation. You may view any image processing software to view, modify, or distribute the image.

This database file is saved in the Programs folder.

VideoSecurity Online also lets the user choose from four options on how to handle the variation or unusual condition detected.

For more information, click here.

Appendix

This chapter includes information on the remote controller, the key table, and international TV systems and standards.

Reference information

A.1 Remote controller

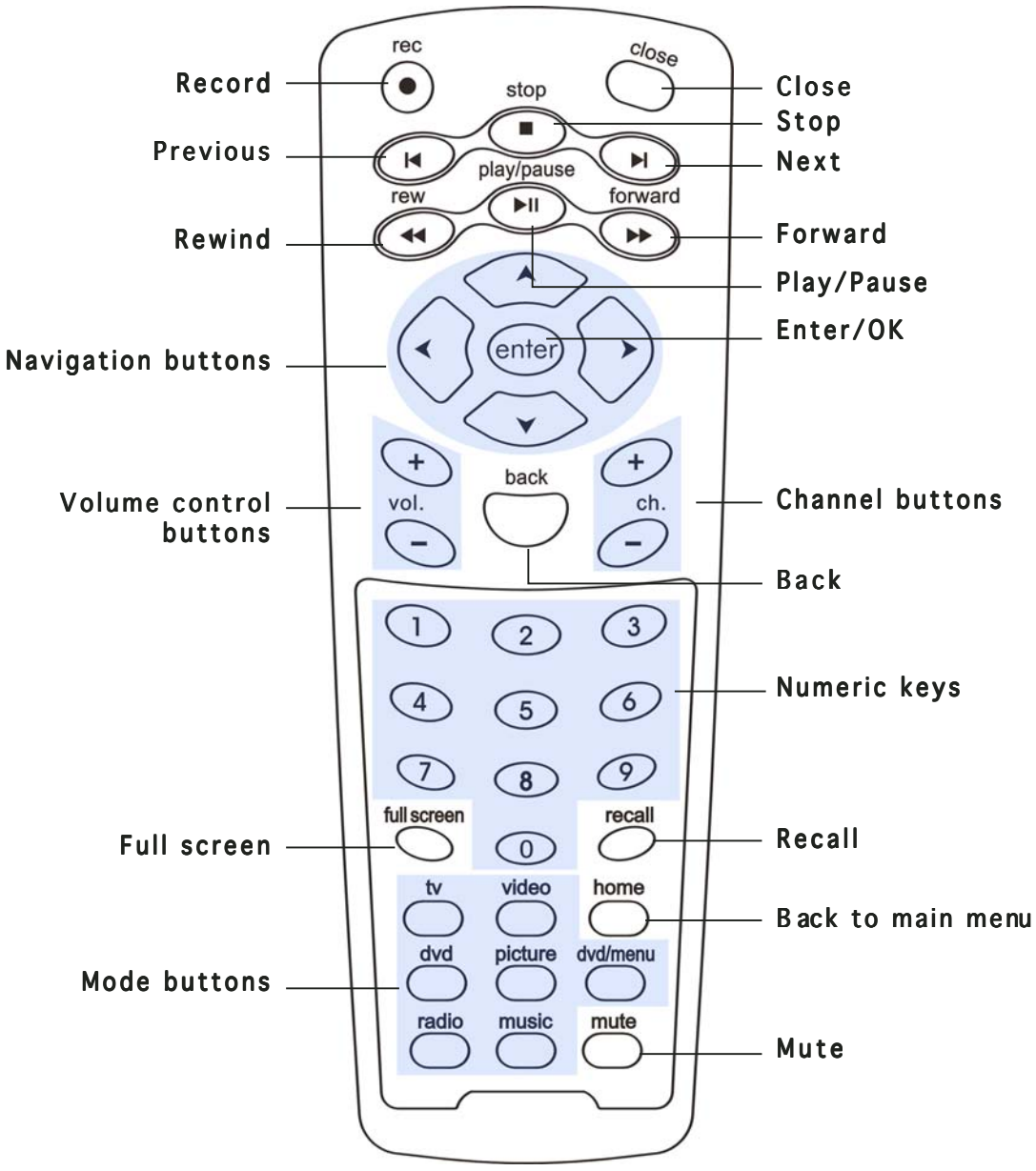
The remote controller is designed for CyberLink® PowerCinema software application only. Use the remote controller for an enjoyable TV-watching experience through the CyberLink® PowerCinema windows.

Remote controller specifications

Operating range	5 meters (max)
Power source	3 V (2 x "AAA" batteries)
Receiver	Infrared receiver (supplied)

A.1.1 Analog/digital TV tuner card

Layout



Key table

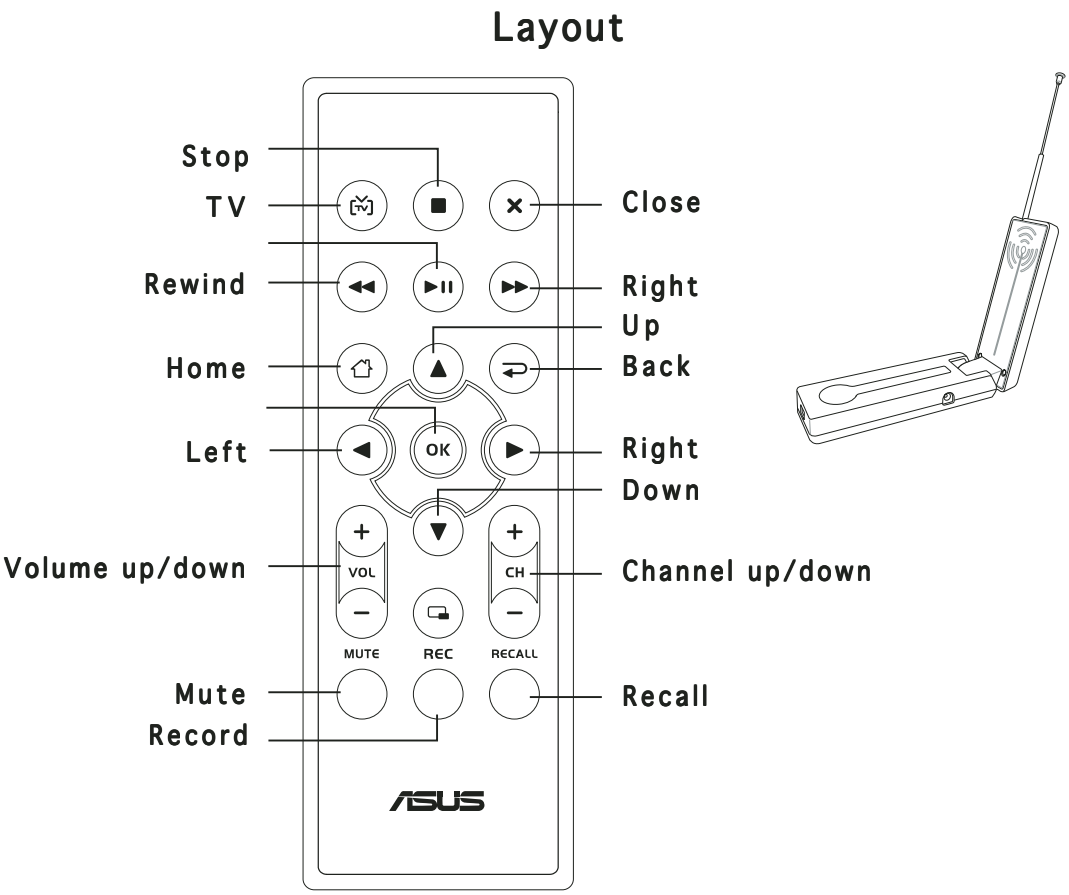
Button	Mode					
	TV	FM	DVD	VIDEO	PHOTO	MUSIC
tv	TV mode	–	–	–	–	–
radio	–	Radio mode	–	–	–	–
dvd	–	–	DVD mode	–	–	–
video	–	–	–	Video mode	–	–
picture	–	–	–	–	Photo mode	–
music	–	–	–	–	–	Music mode
home	Back to main menu	Back to main menu	Back to main menu	Back to main menu	Back to main menu	Back to main menu
dvd/menu	–	–	DVD menu	–	–	–
mute	Mute	Mute	Mute	Mute	Mute	Mute
full screen	Full screen	Full screen	Full screen	Full screen	Full screen	Full screen
recall	Back to previous channel	–	–	–	–	–
back	Back to previous page	Back to previous page	Back to previous page	Back to previous page	Back to previous page	Back to previous page
+ ch. −	Channel up/down	Search forward/ backward	Next/ previous chapter	–	–	–
+ ch. −	Volume up/ down	Volume up/ down	Volume up/ down	Volume up/ down	Volume up/ down	Volume up/ down
0 ~ 9	0 ~9	0 ~9	0 ~9	–	–	–
enter	Enter	Enter	Enter	Enter	Enter	Enter
▲	Up	Up	Up	Up	Up	Up
▼	Down	Down	Down	Down	Down	Down
◀	Left	Left	Left	Left	Left	Left
▶	Right	Right	Right	Right	Right	Right
rec	Record	Record	Record	Record	Record	Record

(Continued on the next page)

Button	Mode					
	TV	FM	DVD	VIDEO	PHOTO	MUSIC
close	Close app	Close app	Close app	Close app	Close app	Close app
stop	Stop	Stop	Stop	Stop	Stop	Stop
	Previous chapter	Previous chapter	Previous chapter	Previous chapter	Previous chapter	Previous chapter
	Next chapter	Next chapter	Next chapter	Next chapter	Next chapter	Next chapter
rew	Rewind	Rewind	Rewind	Rewind	Rewind	Rewind
forward	Forward	Forward	Forward	Forward	Forward	Forward
play/pause	Play/pause	Play/pause	Play/pause	Play/pause	Play/pause	Play/pause

A.1.2 Digital TV tuner box

Layout



Key table

Button	Mode					
	TV	FM	DVD	VIDEO	PHOTO	MUSIC
	TV mode	–	–	–	–	–
	Stop	Stop	Stop	Stop	Stop	Stop
	Close	Close	Close	Close	Close	Close
	Rewind	Rewind	Rewind	Rewind	Rewind	Rewind
	Play/Pause	Play/Pause	Play/Pause	Play/Pause	Play/Pause	Play/Pause
	Forward	Forward	Forward	Forward	Forward	Forward
	Back to main menu	Back to main menu	Back to main menu	Back to main menu	Back to main menu	Back to main menu
	Back to previous	Back to previous	Back to previous	Back to previous	Back to previous	Back to previous
CH	Channel up/down	Search forward/ backward	Next/ previous chapter	–	–	–
VOL	Volume up/ down	Volume up/ down	Volume up/ down	Volume up/ down	Volume up/ down	Volume up/ down
OK	Enter	Enter	Enter	Enter	Enter	Enter
	Up	Up	Up	Up	Up	Up
	Down	Down	Down	Down	Down	Down
	Left	Left	Left	Left	Left	Left
	Right	Right	Right	Right	Right	Right
REC	Record	Record	Record	Record	Record	Record
MUTE	Mute	Mute	Mute	Mute	Mute	Mute
RECALL	Back to previous channel	–	–	–	–	–

A.2 International TV systems and standards (Analog TV)

- TV systems and standards may change anytime without notice. This list is provided for reference only.
- Make sure that your TV card conforms with the system or standard used in your country or location.

AREA	TV	COLOR	STEREO	SUBTITLE
Albania	B/G	PAL		
Argentina	NPAL-N			
Australia	B/G	PAL	FM-FM	Teletext
Austria	B/G	PAL	FM-FM	Teletext
Azores Is. (Portugal)	BPAL			
Bahamas	MNTSC			
Bahrain	BPAL			
Barbados	NNTSC			
Belgium	B/G	PAL	Nicam	Teletext
Bermuda	MNTSC			
Brazil	MPAL-M	MTS		
Bulgaria	DSECAM			
Canada	MNTSC	MTS		CC
Canary Is.	BPAL			
China	DPAL			
Colombia	NNTSC			
Cyprus	BPAL			
Czech Republic	D/K	SECAM/PAL		
Denmark	BPAL	Nicam	TeleText	
Egypt	BSECAM			
Faroe Islands (DK)	BPAL			
Finland	B/G	PAL	Nicam	TeleText
France	E/L	SECAM		Antiope
Gambia	I	PAL		
Germany	B/G	PAL	FM-FM	TeleText
Germany (prev East)	B/G	SECAM/PAL		
Gibraltar	BPAL			
Greece	B/H	SECAM		
Hong Kong	I	PAL	Nicam	
Hungary	B/G & D/K	PAL (was SECAM)	Nicam (Budapest only)	
Iceland	BPAL			
India	BPAL			
Indonesia	BPAL			
Iran	HSECAM			
Ireland	I	PAL	Nicam	TeleText

(Continued on the next page)

AREA	TV	COLOR	STEREO	SUBTITLE
Israel	B/G	PAL	Nicam	TeleText
Italy	B/G	PAL	FM/FM	TeleText
Jamaica	M		SECAM	
Japan	M		NTSC	Matrix
Jordan	B		PAL	
Kenya	B		PAL	
Korea	M		NTSC	
Luxembourg	B/G	PAL		TeleText
Madeira	B		PAL	
Madagascar	B		SECAM	
Malaysia	B		PAL	
Malta	B/G	PAL		
Mauritius	B		SECAM	
Mexico CC	M		NTSC	MTS
Monaco	L/G	SECAM/PAL		
Morocco	B		SECAM	
Netherlands	B/G	PAL	FM-FM	TeleText
New Zealand	B/G	PAL	Nicam	TeleText
North Korea	D, D/K	SECAM/PAL		
Norway	B/G	PAL	Nicam	
Pakistan	B		PAL	
Paraguay	N		PAL	
Peru	M		NTSC	
Philipines	M		NTSC	
Poland	D/K	PAL		Teletext
Portugal	B/G	PAL	Nicam	Teletext
Romania	G		PAL	
Russia	D/K	SECAM		
Saudi Arabia	B		SECAM	
Seychelles	I	PAL		
Singapore	B		PAL	
South Africa	I	PAL		
South Korea	N		NTSC	
Spain	B/G	PAL	Nicam	
Sri Lanka	B/G	PAL		
Sweden	B/G	PAL	Nicam	Teletext
Switzerland	B/G	PAL	FM-FM	TeleText
Tahiti	KI	SECAM		
Taiwan	M		NTSC	
Thailand	B		PAL	
Trinidad	M		NTSC	
Tunisia	B		SECAM	
Turkey	B	PAL		TeleText
Ukraine	D/K	SECAM		
United Arab Emirates	B/G	PAL		
United States	M	NTSC		
United Kingdom	I	PAL		
Vietnam	M/D	NTSC/SECAM		
Yugoslavia	B/G	PAL		
Zambia	B/G	PAL		
Zimbabwe	B/G	PAL		

A.3 International TV systems and standards (DVB-T)

TYPE	LOCATION	BW	BAND
DVB-T+PAL	Australia	7 MHz	V/UHF
DVB-T+PAL	Austria	8 MHz	UHF
DVB-T+PAL	Belgium	8 MHz	UHF
DVB-T+PAL	China	–	–
DVB-T+PAL	Denmark	8 MHz	UHF
DVB-T+PAL	Estonia	8 MHz	UHF
DVB-T+PAL	Faroe Island	8 MHz	UHF
DVB-T+PAL	Finland	8 MHz	UHF
DVB-T+PAL	France	–	–
DVB-T+PAL	Germany	7/8 MHz	V/UHF
DVB-T+PAL	Hungary	8 MHz	UHF
DVB-T+PAL	Italy	7/8 MHz	V/UHF
DVB-T+PAL	India	–	–
DVB-T+PAL	Ireland	8 MHz	UHF
DVB-T+PAL	Latvia	8 MHz	UHF
DVB-T+PAL	Lithuania	–	–
DVB-T+PAL	Luxembourg	–	–
DVB-T+PAL	Netherland	8 MHz	UHF
DVB-T+PAL	Norway	8 MHz	UHF
DVB-T+PAL	Poland	8 MHz	UHF
DVB-T+PAL	Portugal	8 MHz	UHF
DVB-T+PAL	Singapore	8 MHz	UHF
DVB-T+PAL	Slovakia	–	–
DVB-T+PAL	Slovenia	7/8 MHz	V/UHF
DVB-T+PAL	S-Africa	8 MHz	UHF
DVB-T+PAL	Spain	8 MHz	UHF
DVB-T+PAL	Sweden	8 MHz	UHF
DVB-T+PAL	Switzerland	8 MHz	UHF
DVB-T+PAL	UK	8 MHz	UHF
DVB-T+NTSC	Taiwan	6 MHz	UHF