

CyberLink

# **PowerDVD 7**

User's Guide

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## Chapter 1:

# Introduction

This chapter introduces the CyberLink PowerDVD program's main functions and the main program view. It discusses the minimum system requirements for using the program and the method for upgrading to the latest version of the software.

This chapter contains the following sections:

- Welcome! on p.2
- Register Your Software on p.4
- Activate PowerDVD's Features on p.5
- Upgrade Your Software on p.6
- Uninstall Your Software on p.7
- The PowerDVD Program on p.8
- System Requirements on p.20

# Welcome!

Welcome to the CyberLink family of home entertainment products! CyberLink PowerDVD is a software DVD player with the features and controls of a normal living-room DVD player. PowerDVD offers feature-rich navigation controls for an interactive and tailored viewing experience. Its advanced video and audio technologies deliver the highest quality viewing and listening experience possible on the PC.

## Main Features

CyberLink PowerDVD includes the following main features:

- Supports DivX, DVD (MPEG-2), DVD+VR, DVD-VR, DVD-Audio, VCD (MPEG-1), SVCD, MiniDVD formats and DVD files on hard disk drive (HDD) playback
- Navigation slider allows a direct and instantaneous link to any scene
- Proprietary dual subtitles capability
- CLEV-2 (CyberLink Eagle Vision) video enhancement technology that dynamically adjusts the brightness/contrast/saturation ratios in scenes that are overly dark or too bright.
- CLPV (CyberLink Pano Vision) video stretching technology that produces minimal distortion in the center of the picture.
- Features CyberLink Multi-channel Environment Impression technology (CLMEI-2), an audio channel expansion technology that converts stereo sound to a multiple-channel output.
- CyberLink Mobility Pack allows for longer movie playback time on notebook computers.
- 9X Digital zoom equipped with location indicator
- AB repeat function that lets you set your favorite scenes for instant repeat
- Import and export your favorite bookmarks



- Bookmark viewer provides a visual display of all bookmarked scenes
- Smart Video De-interlacing ensures a smoother and clearer video image.
- CLVS (CyberLink Virtual Speaker) virtual surround technology developed by CyberLink
- CyberLink Headphone technology for headphone surround sound

## **New Features in this Version**

New features in this version of CyberLink PowerDVD include:

- UPnP Media Network Support
- Freestyle interface offering five different viewing modes for total control
- Say-It-Again to instantly repeat the last dialog
- Read-It-Clearly for freestyle control of subtitle positions
- New See-It-All and Notebook Maximizer deliver power-saving features
- Support for the latest content protection standards including VCPS and CPRM
- Support for MPEG-4 AVC (H.264) high definition video
- Support for new audio standards including DTS-ES, DTS 96/24, DTS NEO:6, and AAC
- Improved CyberLink Eagle Vision CLEV-2 technology for enhanced images and colors
- New customizable player skin

# Register Your Software

After you install the program, a registration window opens, prompting you to register your product. It is important to register your software in order to receive technical support or other information from CyberLink. Registering your software also activates the CLHP audio option. (See CL Headphone on p.84.)

The image shows a registration window for CyberLink PowerDVD 7. The window has a red title bar and a white background. On the left, the text "CyberLink PowerDVD™ 7" is displayed. Below this, a message says "Thank you for choosing CyberLink software. Register today to receive technical support and useful information that will maximize your enjoyment of digital media on the PC." On the right, there is a circular portrait of a smiling woman wearing orange sunglasses with "DVD" written on them. Below the message, there are input fields for "First Name:", "Last Name:", "Email:", and "Re-Enter Email:". To the right of these fields are two buttons: "Register Now" and "Remind Me Later". Below the input fields, there is a "Country:" dropdown menu set to "Taiwan". Below the country dropdown, there are two checked checkboxes: "Yes, I would like to receive a newsletter from CyberLink." and "Yes, I would like to receive product information from parties other than CyberLink." At the bottom left, there is a link "Please read our Privacy Policy". At the bottom right, the "CyberLink" logo is displayed.


To register your software, do this:

1. Enter your personal information in the **First Name**, **Last Name**, and **Email** entry boxes.
  - Check one or both of the options to receive information from CyberLink, or uncheck if you do not wish to receive this information.
2. Click **Register Now**.
  - If you would like to register this product at a later time, click **Remind Me Later**. The registration box will open each time you run the program until you register.

# Activate PowerDVD's Features

The first time you run PowerDVD, you are prompted to upgrade immediately from the trial version to the version you have purchased.

To activate PowerDVD's features, do this:

1. Open PowerDVD.
2. The Upgrade Information dialog box opens.
  - You can also display this dialog box by clicking  (Configuration), then **Activate**.



3. Enter your activation key, then click **Activate**.



**Note:** You can copy and paste your activation key into the first entry box.

# Upgrade Your Software

Software upgrades and enhancements may be periodically available from CyberLink.

**Note:** You must be connected to the Internet to use this feature.

To upgrade your software, do this:

1. Open the Upgrade Information dialog box by doing one of the following:
  - Click the **Upgrade** button .
  - Press **F3**.
  - Click  (Configuration), then click **Upgrade**. A window opens, displaying available options.



2. Click the feature set you would like to upgrade to.
3. A web browser window opens, in which you can purchase product upgrades and enhancements.

# Uninstall Your Software

If you need to uninstall your CyberLink software for any reason, you can do so either from the Windows Start menu or from the Windows Control Panel.

## Uninstall from the Start Menu

To uninstall your CyberLink software from the Start menu, do this:

1. Click **Start > Programs > [name of CyberLink software package] > Uninstall [product name]**. The uninstall wizard opens.
2. Follow the uninstall wizard to remove the program.

## Uninstall from the Control Panel

To uninstall your CyberLink software from the Control Panel, do this:

1. Click **Start > Settings > Control Panel**.
2. Double-click **Add or Remove Programs**.
3. Select the program name, then click **Change/Remove**.
4. Follow the uninstall wizard to remove the program.

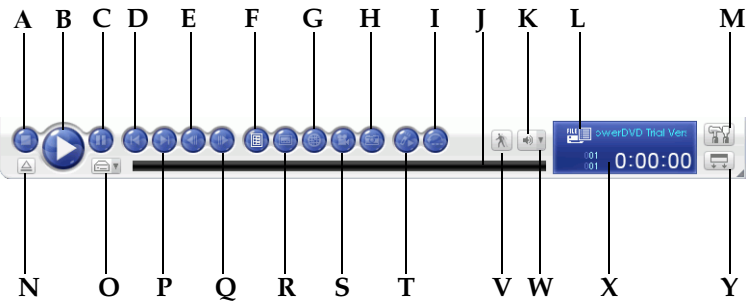
# The PowerDVD Program

This section describes the PowerDVD program and the button functions in different modes.

## Main Controls in Dock Mode

When you start PowerDVD, the Main Player Panel is docked to the bottom of the video window. The Main Player Panel in dock mode gives you access to some of the most commonly used functions in PowerDVD without having to switch around between the video window and the Main Player Panel.

To undock the Main Player Panel from the video window, click **Dock/Undock** . To dock the Main Player Panel to the video window, simply drag and drop the Main Player Panel to the bottom of the video window.



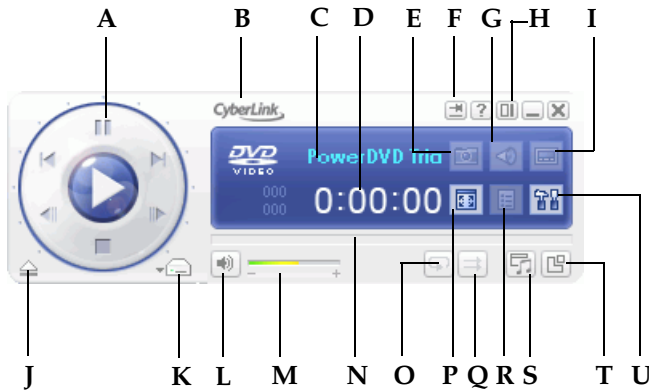
Button/Icon	Hotkey	Description
A Stop	S	Stops playback
B Play	Enter	Plays media
C Pause	Space Bar	Pauses playback

	Button/Icon	Hotkey	Description
D	Previous	P	Returns to previous chapter
E	Step backward	Ctrl+B	Goes to previous frame
F	Menu	L	Accesses all available DVD menus
G	Next audio stream	H	Switches among available audio streams
H	Capture frame	C	Captures video content as bitmap image files
I	Say-It-Again	W	Repeats the last dialog
J	Navigational slider		Visually displays elapsed time. Click along slider to jump to other locations
K	Mute	Q	Mute volume
L	Current media type		Displays the current media type
M	Configuration	Ctrl+C	Configuration settings are all located here
N	Eject	Ctrl+E	Ejects the current disc drive
O	Select source	Ctrl+O	Selects media source for playback
P	Next	N	Jumps to next chapter
Q	Step forward	T	Goes to next frame
R	Next subtitle	U	Switches among available subtitles during playback

	Button/Icon	Hotkey	Description
S	Next angle	A	Switches among available angles if any
T	See-It-All	Ctrl+S	Activates See-It-All function, refer to Mobile Power Settings (Optional) on p.93
V	Speed Control		Open/close shuttle speed control
W	Volume adjustment	+, -	Increase or decrease volume
X	Display area		Displays DVD title/chapter number and elapsed time
Y	Undock Player Panel	Ctrl+T	Undocks the player panel from the video window



## Main Controls in Player Mode




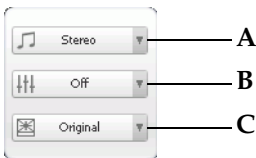
	Button/Icon	Hotkey	Description
A	Control wheel		Refer to Control Wheel on p.16
B	About	Ctrl+A	Displays information about PowerDVD
C	Current media type		Displays the current media type
D	Display area		Displays DVD title/ chapter number and elapsed time
E	Capture frame	C	Captures video content as bitmap image files
F	Pin on Top		Pins the Player on top of all windows
G	Next audio stream	H	Switches among available audio streams

	Button/Icon	Hotkey	Description
H	Switch to Control Wheel mode		Switches to the Control Wheel mode
I	Next subtitle	U	Switches among available subtitles during playback
J	Eject	Ctrl+E	Ejects the current disc drive
K	Select source	Ctrl+O	Selects media source for playback
L	Mute	Q	Mute volume
M	Volume adjustment	+, -	Increase or decrease volume
N	Navigational slider		Visually displays elapsed time. Click along slider to jump to other locations
O	Repeat	Ctrl+R	Repeats titles, chapters, songs, etc.
P	Full screen	Z	Switches to full screen and back to windows mode
Q	Shuffle	V	Plays tracks in random order
R	Menu	L	Accesses all available DVD menus
S	A/V Options pad	. (Period)	Activates/inactivates A/V Options pad
T	Menu/Number pad	/	Activates/inactivates Menu/Number Pad

Button/Icon	Hotkey	Description
U Configuration	Ctrl+C	Configuration settings are all located here


## A/V Options Pad

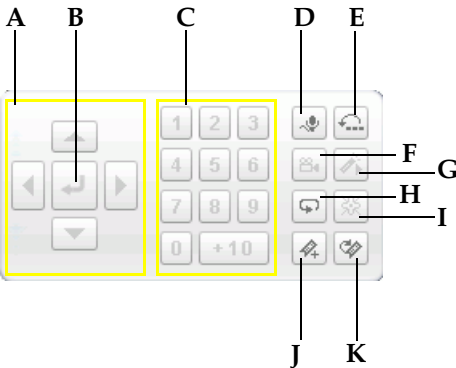
The A/V Options pad allows you to select an audio output mode, an equalizer preset, and a video enhancement. To display the pad, go to the Player mode and click **Open A/V Options Pad** . Refer to Using the A/V Options Pad on p.36 for more information.



Button/Icon	Description
A Audio output mode	Displays all available audio output modes.
B Equalizer preset	Displays all available audio equalizer presets.
C Video enhancement	Displays all available video effects.

# Menu/Number Pad

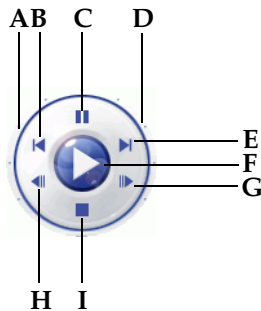
The Menu/Number pad offers navigation buttons, a pad for entering numbers, and buttons for accessing other functions. To display the pad, go to Player mode and click **Open Menu/Number Pad** . Refer to Using the Menu/Number Pad on p.36 for more information.



Button/Icon	Hotkey	Description
A    Navigation buttons		Navigates through DVD menus
B    Enter		Accepts the selected option
C    1 - +10		Number pad
D    Karaoke	K	Switches among karaoke modes
E    Say-It-Again	W	Repeats the last dialog
F    Next angle	A	Switches among available angles if any
G    See-It-All	Ctrl+S	Activates See-It-All function

	Button/Icon	Hotkey	Description
H	AB Repeat	X	Repeats selected scene
I	Visualization		Plays computer-generated visualizations
J	Add bookmark	F2	Adds bookmarks for specific DVD scenes
K	Next bookmark	Ctrl+F2	Directly goes to bookmarked scenes
M	Karaoke	K	Switches among karaoke modes

# Control Wheel

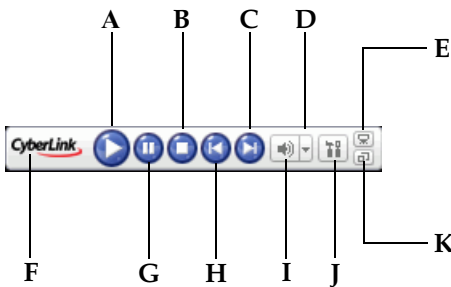


Button/Icon		Hotkey	Description
A	Shuttle reverse		Shuttles reverse at incremental speeds indicated by green point
B	Previous	P	Returns to previous chapter
C	Pause	Space Bar	Pauses playback
D	Shuttle forward		Shuttles forward at incremental speeds indicated by green point
E	Next	N	Jumps to next chapter
F	Play	Enter	Plays media
G	Step forward	T	Goes to next frame
H	Step backward	Ctrl+B	Goes to previous frame
I	Stop	S	Stops playback

## Main Controls in Mini Player Mode

The mini player mode allows the user to access basic playback functions even when PowerDVD is minimized. When the mini player mode is enabled and PowerDVD is minimized, the playback controls are minimized to the Windows taskbar.

To enable the mini player mode, right click an open area of the Windows taskbar, select **Toolbars**, and then click **PowerDVD 7**. Click the **Minimize** button to enter the mini player mode; click the **Exit Mini mode** button to exit mini player mode.



Button/Icon	Hotkey	Description
A Play	Enter	Plays media
B Stop	S	Stops playback
C Next	N	Jumps to next chapter
D Volume adjustment	+, -	Increase or decrease volume
E Show/Hide Video		Displays/Hides the mini player video window
F About	Ctrl+A	Displays information about PowerDVD

Button/Icon		Hotkey	Description
G	Pause	Space Bar	Pauses playback
H	Previous	P	Returns to previous chapter
I	Mute	Q	Mute volume
J	Configuration	Ctrl+C	Configuration settings are all located here
K	Exit Mini mode		Exit the Mini Player mode



## Main Controls in Control Wheel Mode

The Control Wheel mode gives the user access to the most basic playback controls on the Control Wheel. To switch to the control wheel mode, click the **Switch to Control Wheel mode** icon. To exit the control wheel mode, click the **Switch to PowerDVD Player** icon.



	Button/Icon	Hotkey	Description
A	Switch to PowerDVD Player		Switches to the PowerDVD Player mode
B	Control wheel		Refer to Control Wheel on p.16
C	Eject	Ctrl+E	Ejects the current disc drive
D	Select source	Ctrl+O	Selects media source for playback

# System Requirements

Please make sure your system meets the following minimal requirements before installation:

- Windows MCE, XP, 2000, ME
- Intel Pentium III 500M Hz (recommended: Pentium 4 1.6 GHz or Pentium M 1.0 GHz, or Athlon 1.2 GHz or higher)
- 256 MB RAM or above
- DVD-ROM, DVD-R/RW, DVD-RAM, DVD+R/RW, DVD-Dual, DVD-Multi, or a DVD-ROM/CD-RW combo drive with 1394, USB2.0, ATAPI, SCSI, or CardBus interface
- PCI sound card, USB audio box or motherboard built-in audio device
- Hard disk requirement of at least 60 MB
- AGP or PCI Express graphic accelerator supporting DirectDraw overlay
- Minimal desktop resolution at 1024 x 768 or 1280 x 1024 recommended
- Screen ratio at 4:3 or 16:9 widescreen

## Chapter 2:

# Playback Controls









This chapter describes PowerDVD's playback controls. PowerDVD gives you many ways of accessing playback controls in order to make enjoying your media much easier.

This chapter contains the following sections:

- Basic Playback Controls on p.22
- Navigating During Playback on p.23
- Advanced Playback Controls on p.28
- Express Menu on p.38

# Basic Playback Controls



PowerDVD has basic playback controls that works just like the remote control for your DVD player. These basic playback controls are accessible in all the different PowerDVD modes and they are designed to be user-friendly and easy to operate. The basic playback controls are:

Button	Function	Description
	<b>Play</b>	Starts playback of the inserted disc or the currently selected file in your playlist.
	<b>Stop</b>	Stops playback.
	<b>Pause</b>	Pauses the current playback. Click <b>Play</b> to resume playback again.
	<b>Next</b>	Jumps to the next chapter. Please see Jump Functions on p.23 for more details.
	<b>Previous</b>	Jumps to the previous chapter. Please see Jump Functions on p.23 for more details.
	<b>Step Forward</b>	Go to the next frame. Please see Step Frame Functions on p.24 for more details.
	<b>Step Backward</b>	Go to the previous frame. Please see Step Frame Functions on p.24 for more details.
	<b>Eject</b>	Ejects your disc or your drive manually.

# Navigating During Playback

If you would like to skip over certain chapters or return to more exciting scenes, PowerDVD provides quick methods of navigation.

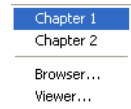
## Jump Functions

During playback, click **Next**  and **Previous**  during playback or in pause mode to skip a chapter or return to the previous one. You can also use **Next** and **Previous** to jump between media files in your playlist.




### Jump Menu

You may call up a shortcut menu with a simple click.

1. Point your mouse on either one of the Jump functions and right click for the jump menu during playback.
2. It will only display the chapters' menu but exclude the titles' menu. If you are viewing media files, it will display the filename.



## Jump to scenes

During playback, click **Next Scene**  and **Previous Scene**  during playback or in pause mode to skip a scene or return to the previous one. Click **Skip CM**  if you would like to skip commercials.

## Shuttling Forward and Reverse

Instead of navigating by jumping from title to title or chapter to chapter, you may navigate the old fashion way by shuttling forward and rewinding. Thanks to DVD technology, these navigational speeds

are unparalleled in speeds as compared to VHS. Please refer to Control Wheel on p.16 for more information.

1. Click along the outside perimeter for shuttling at various speeds during playback. The green mark will indicate the speed.
2. Designated points on the left side disclose reverse speeds of 0.5x, 0.75x, 1x, 1.5x, 2x, 3x, 4x, 8x, 16x, 32x. The center point is Pause, while the right side disclose forward speeds of 0.5x, 0.75x, 1x, 1.5x, 2x, 3x, 4x, 8x, 16x, 32x.
3. You can also access the the shuttling commands in Dock mode by clicking **Open Speed Control** (pic) icon. The speed control bar will be displayed with designated points on the bar. The lower half of the bar discloses reverse speeds of 0.5x, 0.75x, 1x, 1.5x, 2x, 3x, 4x, 8x, 16x, 32x. The center point is Pause, while the upper half of the bar discloses forward speeds of 0.5x, 0.75x, 1x, 1.5x, 2x, 3x, 4x, 8x, 16x, 32x.
4. Click **Close Speed Control** (pic) icon to hide the speed control bar.



**Note:** The slow motion speed of 0.5X and -0.5X are located between the pause and 1X (play) and -1X. Click in a very precise fashion!

**Note:** You can hear audio from 0.5X to 2X playback speed without pitch distortion. This feature is especially useful for language learning. With the combination of A-B repeat and dual-subtitle technologies, PowerDVD offers a complete language learning platform.

## Step Frame Functions

These functions are available anytime.

1. During playback, click **Step Forward**  to go to the next frame or for the previous frame, click **Step Backward** .

2. After you have clicked on any of the Step functions, playback will be paused.

**Note:** This function steps backward but will only return to the I-frames within a group of frames. In other words, stepping forward will result in a greater number of frames than stepping backward.



## Time Search

You can jump to a specific time in a movie, video, or song in order to begin playback from that point.

1. Right-click the navigational slider. The Time Search dialog box opens.
2. Enter the time code (in hours:minutes:seconds), then click **OK**. Playback begins from the time code you have entered.

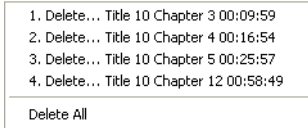
## Bookmarking Your Favorite Scenes

During playback of your DVD titles, you may bookmark your favorite scenes for future reference! So anytime in the future when you would like to return to a specific scene, PowerDVD makes it splendidly easy.


1. During playback, activate the Menu Pad and then click **Add Bookmark**  when your favorite scene is playing.
2. The **Next bookmark** function  directly goes to the next bookmark in chronological order. Of course, this depends if you have previous bookmarks for that particular DVD title. Click it during playback.
3. For information on importing or exporting bookmarks, go to Bookmarks on p.64.

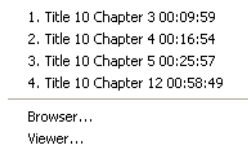
## Bookmark Menus

Like practically all other main functions, there is also a bookmark menu.

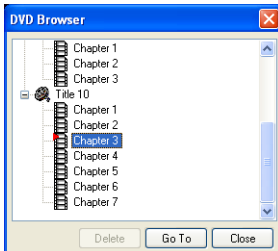


1. Simply point your cursor over the video window and right click to bring up the Express Menu. Select Bookmark to access the Bookmark Menus.
2. You may delete old bookmarks by clicking on them individually or delete them all at once by selecting **Delete All**.

There is another shortcut menu for the **Next bookmark**  function.



1. Activate the Menu Pad and then position the cursor over this function and right click for the menu.
2. This provides a direct link to any bookmark. The Browser will display the bookmarks' locations as embedded in the chapters.



3. Select a chapter or bookmark and click **Go To**.



4. To delete a bookmark, select one and click **Delete**.
5. Click **Close** to exit.
6. If you choose the **Viewer**, the Bookmark Viewer will display the first scene of every bookmark.
  - You can rename a bookmark thumbnail by right-clicking on the thumbnail and selecting **Edit...** Enter the name you want, then click **OK**.


**Note:** This option will be unavailable if you enable video hardware acceleration. This option is found in the Video configuration under the section Hardware Acceleration.

# Advanced Playback Controls


For a quick definition of all the button functions, please refer to Main Controls in Dock Mode on p.8 or Main Controls in Player Mode on p.11 for more information.

**Note:** Your playback controls may differ depending on the mode you are operating in. Mini Player mode offers just the basic controls while Player mode with both the A/V Options Pad and Menu/Number Pad activated will offer all the available button functions.

## DVD Playback


To view a DVD title, simply insert the disc into the default DVD disc drive and PowerDVD will automatically play the DVD. To manually start a DVD title, click the **Select source** button  and choose the disc drive where the DVD title is located.

## Capturing Your Favorite Scenes

1. During playback, simply click the **Capture** button  to capture any video content as a still image.
2. To be more precise, you may pause the scene, play in slow motion, or step frame and then capture.


**Note:** The location of the captured images can be set in the Configuration area. Go to the Snapshot on p.60 for more options.

## Full Screen Function

The **Full Screen** function  switches your screen from full screen mode to windows mode and vice-versa.

**Note:** In Full Screen mode, the PowerDVD player toolbar is hidden. To access the playback toolbar, move your mouse.

## Switching Audio Streams

This feature is available during playback. Simply click the **Next audio stream** button  during playback to switch among the available audio streams (e.g. different languages). The number of audio streams depends on the DVD title itself.

## Displaying Subtitles


Subtitles are supplied for practically all DVD titles. The language of the subtitles depends on the DVD region of your title. The subtitles function is only available during playback.

During playback, click  to switch among available subtitles.

### Loading External Subtitles



When playing a video file (not on a CD or DVD), PowerDVD searches for a subtitle file in the same directory where the video file is located. If a file is found, the subtitles are loaded and the **Subtitles** option is enabled in the Express Menu.

## Switching Among Available Angles

This feature has not gained prominence as of yet among DVD authors, but is available on occasion for music concert DVDs. Click **Next angle**  during playback to switch among available angles. PowerDVD will display the angle currently being watched each time you select a new angle. You can also use the Express Menu to change your **Viewing Angles**.


## Repeating Your Favorite Scenes

PowerDVD provides basic repeating functionality that allows you to repeat your favorite scenes without delay.

1. Switch to the Player mode and activate the Menu Pad. Click **Repeat**  during playback to repeat the chapter.
2. To repeat titles, click **Repeat**  twice. Click once more to turn **Repeat** off.





### Say-It-Again

You can also use Say-It-Again to repeat the current dialog you are watching. To use Say-It-Again:

1. Simply click **Say-It-Again**  during the playback of a dialog to repeat the same dialog again.
2. Click once more to turn **Say-It-Again** off.

### AB Repeat





PowerDVD also offers customizable repeat function that lets you select any part of the movie for repeating playback. The starting point of the repeating playback is called A and the end is called B. This is different from Say It Again, which only repeats the current dialog.

1. During playback, set point A by pressing **AB Repeat**  at the beginning of the segment you would like to repeat.
2. Click **AB Repeat**  again in order to set point B at where you would like the segment to end. The segment will now repeat instantly and loop continuously.
3. To cancel AB Repeat, click the **AB Repeat** button , **Repeat** button  or navigate out of this segment's range (i.e. with the navigational slider, shuttle, or jumping to the next or previous chapters).


## Playing a Karaoke DVD

You can use PowerDVD to playback Karaoke DVDs with your computer. Be sure to look for the Karaoke Logo on the DVD title package.

### Selecting Karaoke Options

1. Upon inserting your karaoke disc, be sure your microphone is installed properly.
2. Click **Play**  and then the menu screen will appear. If not, click **Select source**  and choose the right drive.
3. Use the navigation buttons on the Menu Pad  or choose a song by clicking on it with your mouse.
4. During playback, activate the Menu Pad and then click **Karaoke**  or right-click to call the Express Menu and select **Karaoke**.
5. Select from: dual vocal channels on (**Vocals 1, 2**), either **Vocal 1** or **Vocal 2** on, or have both off (**Vocals Off**).

### Karaoke Menu

1. Position your cursor above **Karaoke**  and right click for the menu.
2. Make your selection.

### Adjust Pitch

You can adjust the pitch of your karaoke titles using the Adjust Pitch function.



To adjust pitch, do the following:

1. Position your cursor above **Karaoke**  and right click for the menu.


2. Select **Adjust Pitch**, then make your selection.

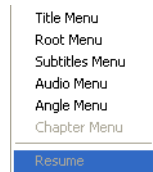
## Shuffling Items in Your Playlist

In order to spice up your playlist and to play files randomly, you may enable the shuffle command.

1. Switch to the Player Mode to access the shuffle command.
2. After opening an audio source, click **Shuffle** .
3. Click **Play** . Files will then be played randomly.

## Using the Menus in DVD-Video Format


1. Click **Menu**  once after DVD playback has begun (after the warning messages) or when the title menu is displayed and a menu will appear. All DVD titles' menus will be different and depend on their authoring.
  - For some DVD titles, the **Title** and **Root Menu** (for special features) are analogous. The functions of the remaining menus are similar to the menu items for DVD titles.
  - To turn on subtitles, go to the **Subtitles Menu** and select one.
  - The **Audio Menu** controls the audio language. Go there to set audio settings.

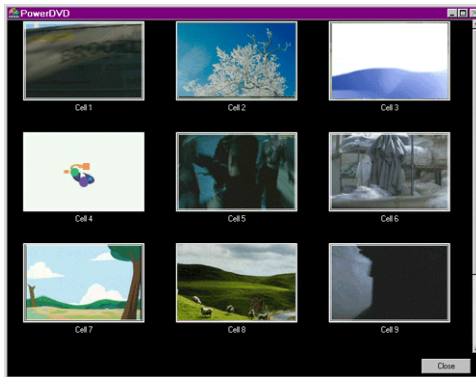


**Note:** Sometimes, DVD titles will not allow you to select menus other than the Title Menu. Users will have to directly go to the Title Menu of the DVD itself and access the settings there if this is the case.

- Select **Resume** to return to the last scene where you had left off. This function is optimal if you interrupted playback by jumping to a menu, and then want to return to the last scene.

## Using the Menus in DVD-VR Format

1. Click **Menu**  once after playback has begun.
2. Select **Program Set Viewer** to visually view the first frame of every cell.




3. Click once on the frame that represents the cell in order to begin playback or click **Close** to exit the Viewer.
  - If playlists are available, they will be available for selection here too.

## Playback Menu

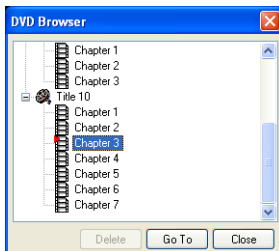
Another great feature is a shortcut menu for titles and chapters that is available anytime.

**Note:** When watching DVD-VR movies, the terms "Titles" and "Chapters" are not used but instead replaced with "Programs" and "Cells".

1. Position your cursor on **Play** .
2. Right click for the menu.
3. The check mark signifies the current playback title while the arrows to the right of the title signify further selections in the form of chapters.
4. Click once when you have decided on the chapter.

### The Browser

1. Select **Browser...** in the Playback Menu for an alternative method of navigating between titles and chapters.




2. The red pointer signifies which chapter you are playing currently. Simply select a chapter and click **Go To** or **Close** to exit.

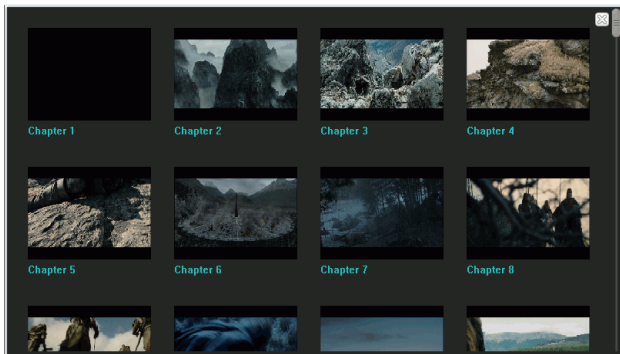


## The Viewer


In the chapter menu, there is the **Browser...** selection and also a **Viewer** selection. The Viewer is like the Browser except that it will display the first scene of each chapter visually!

**Note:** This option will be unavailable if you enable video hardware acceleration. This option is found in the Video configuration under the section Hardware Acceleration.

1. Once the Playback menu is called, select **Viewer**.
2. The Viewer will appear. Simply use your mouse and click on an image or click  to exit.



## Using the Menu/Number Pad

Like any stereo's remote control, PowerDVD has a number pad to directly input the specific track you would like to play. To display the pad, go to Player mode and click **Open Menu/Number Pad** .

1. After you have created a playlist or have inserted an Audio CD, directly enter the number of the disc track or file you want to play. Your entry will appear in the display area.




2. Click Play .

## Using the A/V Options Pad

You can use the A/V Options pad to access audio modes, equalizer presets, and video enhancement.



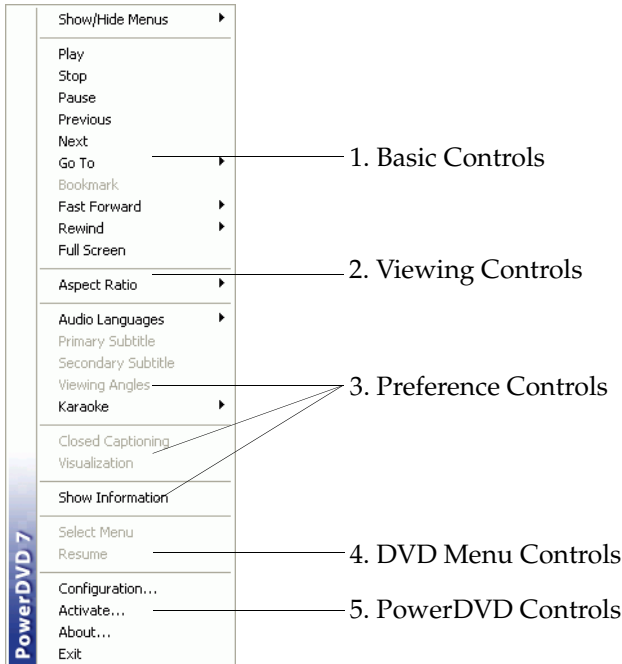
To display the pad, go to Player mode and click **Open A/V Options Pad** . You can select from the following menus:

- **Audio output mode:** select one of the default audio modes for audio output. For configuration options, see Advanced Audio Configuration on p.80.
- **Equalizer preset:** select one of the default audio enhancement options.

- **Video enhancement:** select one of the default video effects.  
For configuration options, see Advanced Audio  
Configuration on p.80.

# Express Menu

A quick and handy feature, simply click on the right button of the mouse during playback when the cursor is positioned on the video window to activate the Express Menu. Express Menu buttons are grouped. Users can optionally show/hide a group in the Express Menu to meet their own preferences.



## 1. Basic Controls

- The basic playback controls (Play, Stop, Pause and etc.) can be found in Exit: Exits PowerDVD. on p.42.
- The **Go To** option is similar to the menu list found when you right click on Play or the Jump functions. It provides a list of all the titles and subsequent chapters including a Browser and the Viewer (please refer to Playback Menu on p.34).
- The **Bookmark...** function is an added feature here that provides the same functions as the **Bookmark** button and its menu. (refer to Bookmarking Your Favorite Scenes on p.25 for more information)
- **Full Screen** can be found in Full Screen Function on p.28.

## 2. Viewing Controls

### Aspect Ratio

The **Keep Aspect Ratio** option will keep the correct aspect ratio of your video content and window and thus letterboxing will be applicable.

### Stretch to Fit the Screen

**Stretch to Fit the Screen** stretches the movie to fit the video window.

### CLPV

**CLPV** feature is only available in full screen mode and is for DVD titles with a widescreen aspect ratio (i.e. optimal with 16:9 on a 4:3 monitor). It employs Cyberlink's unique Pano Vision video technology to stretch the movie to fit the monitor size. Choose between **Smart Stretch**, **Fit to Screen** and **Keep Subtitles**.

### Pan & Scan

The **Pan&Scan** feature is only available in full screen mode and is for DVD titles with a widescreen aspect ratio (i.e. optimal with 16:9 on a 4:3 monitor). It enables users to view content without black bars

similar to T.V. as opposed to letterboxed screens but at the expense of being unable to view the entire screen area at once. The default Pan&Scan position will be centered, where a portion of the left and right viewing area will be visually cropped off.

**Note:** Move the video screen simply by clicking on it and dragging the screen in left/right directions.

## Digital Zoom

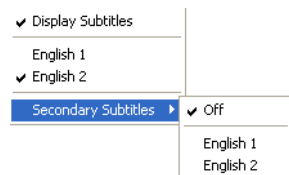
This is the only area where you may access this state-of-the-art feature that allows you to zoom in on any of your favorite DVD scenes.

1. During DVD playback, the full screen mode must be employed.
2. Right click for the Express Menu and select **Digital Zoom > 4X** or **9X**.
3. Now, simply click and drag the screen to the area where you want to zoom in. The upper left corner of your screen will display the zoomed in area in relation (green border) to normal screen mode (yellow border).
4. To return to the full screen mode, return to the Express Menu (right-click) and choose **Digital Zoom > Off**.

## 3. Preference Controls

### Subtitles Menu

- The **Primary Subtitles** menu is the selection menu for the default subtitles. Primary Subtitles are usually displayed at the bottom of the screen.
- The **Secondary Subtitles** menu is for additional subtitles that may be displayed along with the default subtitles if the user wishes to activate it.



## Read-It-Clearly

Use the Read-It-Clearly feature to adjust the position of the subtitles so that you may view your movie without obstruction.

1. Position your cursor above the video window during playback and right click to open the Express Menu. Select **Primary Subtitles** or **Secondary Subtitles** and then select **Read-It-Clearly**.
2. The following selections are available in the **Read-It-Clearly** menu:
  - **Normal** displays the subtitles in the default position.
  - Choose **For 2.35:1** to adjust the subtitle position to match movies with 2.35:1 aspect ratio.
  - Choose **For 1.85:1** to adjust the subtitle position to match movies with 1.85:1 aspect ratio.
  - For **Primary Subtitles**, you can choose **Bottom** to move the subtitles to the very bottom of the screen.
  - For **Secondary Subtitles**, you can choose **Top** to move the subtitles to the very top of the screen.

## Closed Captioning

**Closed Captioning**, if supported by your DVD title, is made available by national organizations and is tailored towards the hearing impaired. The captions are found in video content and in the form of text located somewhere on the picture. Closed captions, as opposed to open captions, are hidden in the video signals and need a special decoder.

## Visualization

**Visualization** feature allows you to watch computer-generated visualizations while you listen to music. You can also access the visualization command in the Player mode by clicking the **Visualization** button on the Menu Pad.

## Show Information

**Show Information**, an OSD (on screen display), will display the variable video bitrate, audio types such as Dolby Digital 5.1, Dolby Digital 2.0 or DTS 5.1 and their audio bitrates, and current and totals statuses in regards to time, chapters, and titles.

## 4. DVD Menu Controls

- For the **Select Menu** and **Resume** selections, go to Using the Menus in DVD-Video Format on p.32.

## 5. PowerDVD Controls

- For **Configuration...**, please refer to Configuration on p.55 for more information.
- For **Activate...**, please refer to Activate PowerDVD's Features on p.5 for more information.
- **About...**: Displays information about PowerDVD.
- **Exit**: Exits PowerDVD.



## Chapter 3:

# Playing Media

This chapter describes how to play different types of media from a variety of sources.

This chapter contains the following sections:

- Region Code Settings on p.44
- Playing DVDs on p.45
- Playing DVD VR Discs on p.46
- Playing VCDs/SVCDs on p.47
- Playing Audio CDs on p.48
- Playing Files on p.49
- Playing DVD Files from Hard Disk Drive on p.53

# Region Code Settings

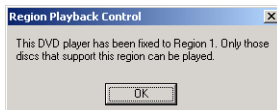
Most of the DVD titles in today's markets are governed by a regional code that divides the world into six separate regions. This ensures maximization of revenues for motion picture studios' theatrical and home releases, which times and dates vary from region to region.

1. Upon inserting your DVD, note the dialog box.








2. Click **OK**. After the region has been set, this dialog box will no longer prompt you unless an encoded DVD title from another region is inserted.

**Note:** PowerDVD will only allow you to set the regional settings five times until the regional code is fixed. Subsequently, playback of DVD titles will be specific to one region. Some DVD titles may not be region-specific.

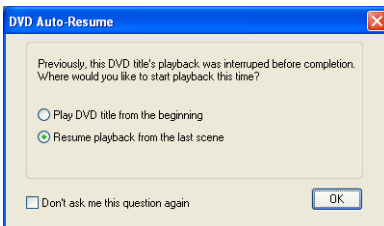


# Playing DVDs




Now you are ready to play DVD Video titles.

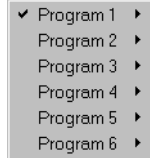
1. Insert your DVD disc. Click **Play** . Be sure that the source is correct. If not, click **Select source**  and choose the right drive.
2. A warning message or copyright information will appear depending on the DVD title. Usually, this content cannot be skipped over.
3. After the promotional content, you will be presented with the main menu. With your mouse, select by clicking once.
4. The DVD will begin playing.
5. To use the Menu/Number pad, click the  button in Player mode and the Menu/Number pad will appear on the right.
6. To **Stop**  or **Pause** , click them accordingly.

If you click Stop or Exit during playback, and even play other files or DVDs immediately afterwards, the next time you click Play for that specific DVD title, users may resume from the last scene depending on their DVD Auto-Resume setting found in the **Player Setting** configuration. This Auto-Resume feature remembers exactly where you left off and allows users great leeway when playing multiple discs at a time or if prematurely exiting PowerDVD.







# Playing DVD VR Discs

1. Insert your disc.
2. Click **Play** . The DVD will begin playing.
3. You may also right click on Play for the **Playback Menu**. Simply select a program and then the available cells will appear. Click once on the desired cell.
4. To **Stop**  or **Pause** , click them accordingly.





# Playing VCDs/SVCDs

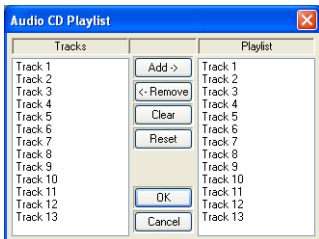
PowerDVD allows you to play practically anything with digital content, and this includes VCD formats (Video CD and Super Video CD) or Audio CD. Of course, because of VCD/SVCD's inherent limitations, it will not be able to fully utilize all DVD functions.


1. Insert the VCD/SVCD and start PowerDVD. Click **Play** . Be sure that the source is correct. If not, click **Select source**  and choose the right drive.
2. The VCD/SVCD will begin playing. Depending on the VCD/SVCD title, some may offer a title menu. Depending on your title, the on screen menu selection can be clicked on directly or use the **Number Pad** to select.
  - All VCD/SVCDs will have the capability of navigating, so put the navigational slider to full use and navigate as you like.
  - You may also **Shuttle Forward** or **Shuttle Reverse**.
  - Click **Next**  or **Previous**  to skip or return to chapters depending if your title supports it.

# Playing Audio CDs

For playing Audio CDs, through **Select source**  you may select the proper drive or play your CD by selecting **Open media files**. Please refer to Playing Files on p.49 for more information.

1. Start PowerDVD, insert your Audio CD and click **Play** .



2. To alter your Audio CD playlist, click **Menu**  during playback or during pause mode.
3. For the default setting, your playlist will duplicate all the tracks available on your Audio CD, from the left window. Click **Clear** to clear your playlist or **Reset** to return to the default setting.
4. Select tracks and click **Add** to add to your Playlist. For selecting multiple tracks, press <Ctrl> when selecting or press <Shift> to select tracks in a row.
5. Click **OK** when you are finished.

# Playing Files

When you feel like playing files, simply follow the instructions below to conveniently drag & drop files or to select, assemble, save, and rearrange playlists for your pleasure.

**Note:** If you insert a data CD while PowerDVD is in Disc Mode (the first option under the Select source button menu), PowerDVD will play back all of the media files on your disc.

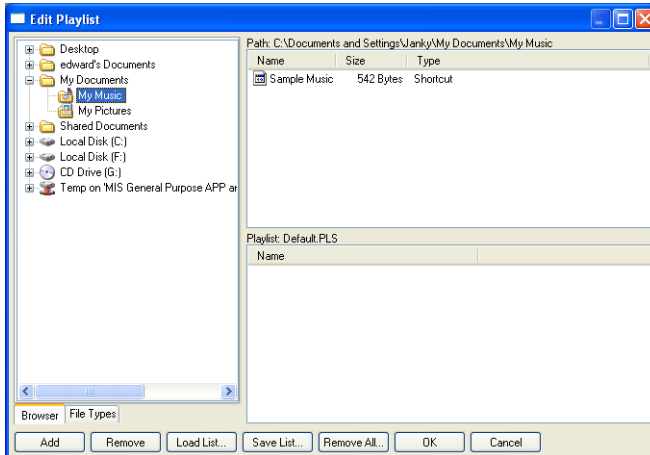
## Drag & Drop for Playback

The simplest way is to drag & drop a file directly onto the PowerDVD user interface and it will play right away! This includes all media file types that are supported by PowerDVD and playlist formats (.m3u and .pls).

1. Start PowerDVD and open the Windows Explorer (or any folder).
2. Now, for any drag & drop assignment, it is best to shrink your Windows Explorer window.
3. Find your file, click it, drag it over to the PowerDVD user interface, and then drop it.
4. PowerDVD will begin playback.

## Creating Playlists

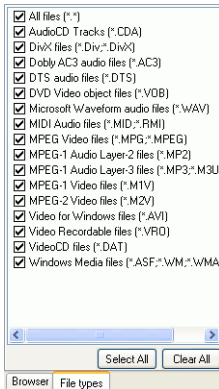
1. First click **Select source**  via user interface and select **Open media files**. The **Edit Playlist** dialog box opens.



2. Begin selecting your file(s) by exploring your hard disk drive (left pane) and selecting folders which have video and audio content. Media files will be displayed in the upper right hand pane.
  - Select the **Brower** tab to navigate through your local drives and directories for media contents.
  - Switch to **File types** tab (default is Brower) for the left pane and select the desired files to be displayed so as to speed up



your search. Click **Clear All** to reset your file types or **Select All** to select all possible file types.




- The **UPnP Browser** tab provides access to media contents stored in an UPnP digital home network. Use this tab to playback media contents in your UPnP network.
3. Select files in the upper right hand pane and click **Add** to add to your playlist. To remove, select the file from your playlist pane (lower right hand) and click **Remove**. Click **Select All...** to add all the media files in the upper right hand pane to your playlist. Click **Remove All...** to remove all the files from your playlist.
- You can add all the media files in a folder (subfolders not included) by dragging and dropping the folder from the left pane to your playlist.

**Note:** If playing more than one file, be sure to consider the order in which you add to the playlist, for this order will be final unless you use the shuffle or repeat functions.

**Note:** You may also enlarge your window by pointing to the right corner and resizing the dialog box accordingly by clicking and dragging. You can resize each individual panes by clicking and dragging the dividers between the panes.


- Click **Load List...** if you have playlists in the .PLS or .M3U format. This function will replace all previously loaded files.

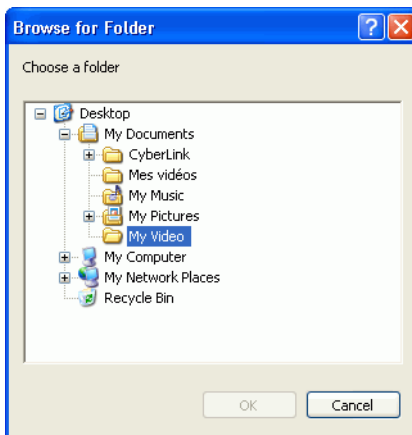
However, after loading this playlist file, you may add extra files to the list without altering the original playlist file.

- If you would like to save your newly created playlist, click **Save List...** after you are done. Choose a location and click **Save**.
4. Click **OK** after you are satisfied with your current list.
  5. Now, to play your playlist, click **Play** . Use the **Shuffle**, **Repeat**, or **Number Pad** (refer to Using the Menu/Number Pad on p.36) functions for added convenience.

# Playing DVD Files from Hard Disk Drive

PowerDVD supports playing your own personal DVD files on your hard disk drive so you can preview it before burning it onto a DVD-writable or CD-writable disc. All you need to do is specify the video source and select the folder that contains your video.

1. Click **Select source**  on the user interface and then select **Open DVD File on hard disk drive**.



2. Select the folder that contains your video and then click **OK** when you are done. Your DVD file will begin playback just like any other DVD title.



## Chapter 4:

# Configuration

This chapter describes the many ways you can configure PowerDVD's playback to suit your specific needs.

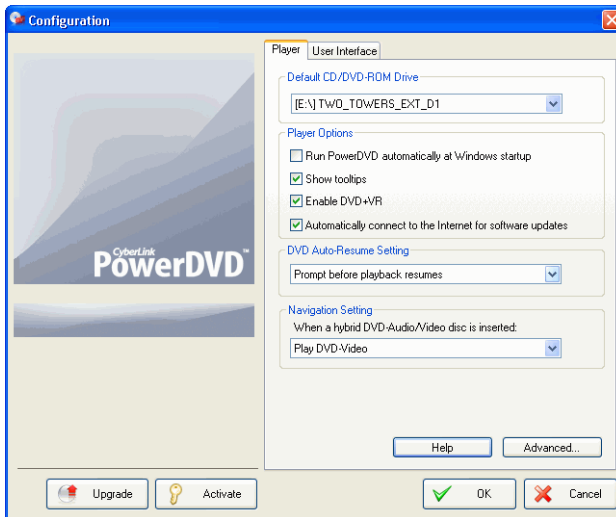
This chapter contains the following sections:

- Player Configuration on p.56
- Advanced Player Configuration on p.58
- User Interface Configuration on p.67
- Video Configuration on p.69
- Advanced Video Configuration on p.71
- Audio Configuration on p.77
- Advanced Audio Configuration on p.80
- Information Configuration on p.89
- Mobile Power Settings (Optional) on p.93

**Note:** Dolby, Pro Logic, MLP Lossless, Surround EX, and the double-D symbol are trademarks of Dolby Laboratories.

# Player Configuration

After you click on **Configuration** , the default is the Player configuration which controls the behavior of the DVD player itself.



1. The first selection is if you have multiple drives, the **Default CD/DVD-ROM Drive** option lets you select the most appropriate drive. Otherwise, the default setting should be correct and will display the title of the current disc.
2. The next section is for certain behaviors that you may turn on or off.
  - When **Run PowerDVD automatically at Windows startup** is checked, every time you turn on your computer, PowerDVD will start (in Windows OS mode) and then reside in the system tray.
  - **Show tooltips** will display a hint, in the form of a yellow text box, that will reveal what the function is whenever your cursor is positioned over a specific function or feature.
  - **Enable DVD+VR** will enable playback for DVD+VR disc.

- Check **Automatic Software Update from the Internet** to allow PowerDVD to update automatically from the Internet.
3. The next section is the **DVD Auto-Resume Setting**. If you click Stop or Exit during playback, and even play other files or DVDs immediately afterwards, the next time you click Play for that specific DVD title, users have the option of resuming from the last scene. The Auto-Resume feature remembers exactly where you left off and allows users great leeway when playing multiple discs at a time or if prematurely exiting PowerDVD. Select an option from below.
    - The **Always play DVD title from the beginning** selection does not utilize the Auto-Resume feature.
    - The **Resume playback from the last scene** utilizes the Auto-Resume feature.
    - If you want flexibility in choosing, select **Prompt before playback resumes**. Thus, whenever playback will resume, a prompt will allow users to select if they want to play from the beginning or from the last scene.
  4. The last section is for hybrid DVDs that contain both audio and video.
    - The **Play DVD-Audio** plays only the audio portion of the disc.
    - The **Play DVD-Video** plays only the video portion of the disc.

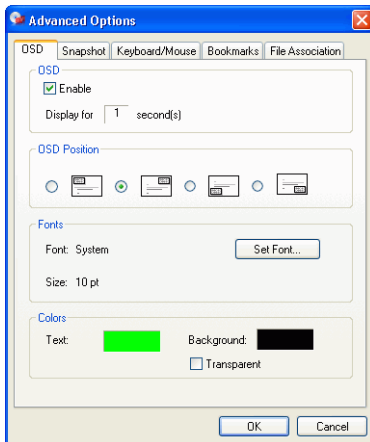
# Advanced Player Configuration


When in Configuration under the **Player** tab, click **Advanced...** to access extra settings. Then, select one of the following tabs:

- OSD on p.58
- Snapshot on p.60
- Keyboard/Mouse on p.62
- File Association on p.63
- Bookmarks on p.64

## OSD

This configuration controls the On Screen Display, which informs users when a function is in use and the current status of PowerDVD in text form.



1. Click on **Configuration** , select the **Player** tab, click **Advanced...**, and then select the **OSD** tab.
  - Check **Enable** to enable. In the next field, set the time (seconds) you would like the OSD to be displayed for.



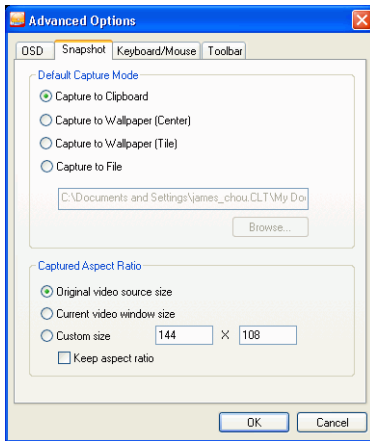
- For **OSD Position**, choose among the four locations that will display the OSD.
- For the **Fonts** section, click **Set Font...** to select another font and if the **Language** field is not grayed out, choose the preferred language.
- For the **Colors** section, click on the color boxes directly to change the **Text** or the **Background** colors. A dialog box will appear. Click **Transparent** to make the OSD background transparent.


### Choosing OSD Colors

1. Choose a basic color by clicking one or customize your own color by changing the Hue, Saturation, Luminosity, Red, Green or Blue numerical fields located at the bottom right.
2. After you have entered numerical values or have utilized the color matrix, click **Add to Custom Colors** and it will be displayed in the **Custom colors** section on the left.
3. Choose your custom color by clicking on it and click **OK**.
4. Click **OK** when you are finished.

## Snapshot

This configuration governs all the capturing settings related to the snapshot function. Refer to Capturing Your Favorite Scenes on p.28 for more information.



1. Click on **Configuration** , select the **Player** tab, click **Advanced...**, and then select the **Snapshot** tab.
2. The **Default Capture Mode** provides basic capture options:
  - **Capture to clipboard** captures the image onto your Windows' clipboard. Then, you may use the paste function with software applications that support this basic function (e.g. MS Word, MS Paint, Photoshop).
  - **Capture to Wallpaper (Center)** will capture the image, centre the image on your desktop, and save it automatically in your default Windows' System folder.
  - **Capture to Wallpaper (Tile)** will capture the image, place the image on your desktop using a tile format, and save it automatically in your default Windows' System folder.
  - **Capture to File** will capture the image directly into a folder you have selected. You can choose the file format you want to use. Select JPG, BMP, GIF, PNG, or TIFF format from the

dropdown box to the right. You may also elect to change the default file name and directory. Select **Browse...** to select another folder. After finding a suitable folder, click **OK**.

**Note:** PowerDVD will numerically name the captured files automatically. Thus, old captured files will not be replaced with newly captured files.

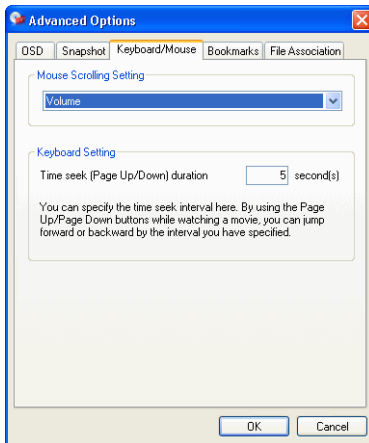
You may select how you capture your favorite scenes with the options given under the **Captured Aspect Ratio** section.

- To capture the **Original video source size**, select this option. If the DVD title is NTSC format, the original source will be 720x480. For PAL, the size will be 720x576. This selection will disregard the current window size.
- To capture the **Current video window size**, select this option. No matter how ridiculous the current window size displayed on your monitor, this selection will capture it!
- To capture a **Custom size**, select this option, then enter the size (in pixels) of the image you want to capture.
- If you click the **Keep aspect ratio** option, PowerDVD captures using the aspect ratio of the original video.

## Keyboard/Mouse

**Mouse Scrolling Setting** allows you to set a specific function for PowerDVD if your mouse comes with a scroller (usually located between the left and right button). For more information on using the mouse scroll, check your User's Guide for more information.

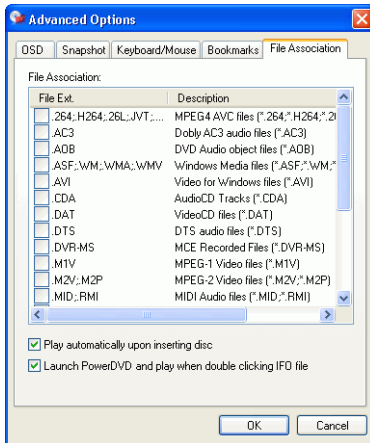
1. Click on **Configuration** , select the **Player** tab, click **Advanced...**, and then select the **Keyboard/Mouse** tab.




2. Under the **Mouse Scrolling Setting**, select one of the following by clicking on the drop-down menu:
  - In order to set your scroller for shuttling, select **Shuttle reverse/forward**.
  - You may scroll a specific amount of time with **Time seek**. To set the time for the **Time seek (Page Up/Down) duration**, input the number of seconds (max=600). You may also seek with your keyboard Page Up/Down keys.
  - To scroll between chapters in a given DVD title or scroll between files in your playlist, select **Previous/Next**.
  - Or, set your scroller to **Volume** adjustment.
  - The **Step forward/backward** option allows you to step forward or backward through the video by one frame.

# File Association

PowerDVD's File Association tab displays the file formats that PowerDVD can play. Check the check box next to a file format to make PowerDVD the default player for that file format. Clear the check box if you don't want PowerDVD to be the default player for that file format.

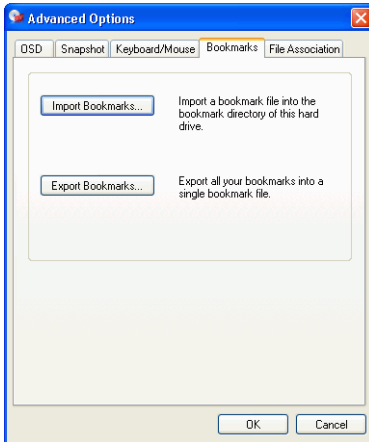


1. Click on **Configuration** , select the **Player** tab, click **Advanced...**, and then select the **File Association** tab.
2. Check the check box next to the file format to make PowerDVD the default player for that file format.
  - Clear the check box next to the file format if you don't want PowerDVD to be the default player for that file format.

**Note:** Check Play automatically upon inserting disc if you would like PowerDVD to automatically play discs whenever they are inserted. Check Launch PowerDVD and play when double clicking IFO file to associate PowerDVD with IFO files.

## Bookmarks

For all bookmarks functionality, please refer to *Bookmarking Your Favorite Scenes* on p.25. This configuration allows you to import and export bookmarks that have been added for a specific DVD title on another PowerDVD platform (i.e. another computer) where you might want to play the same DVD title and use the same bookmarks.




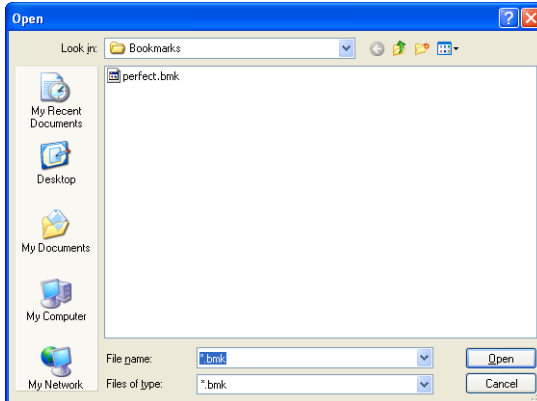
### Importing Bookmarks

1. First, you must save the .bmk file in the computer and the bookmarks directory that you would like to import to. This may be done simply through transferring it from email, copying it from a floppy disk, .ZIP, SuperDrive, removable HDD, from a rewritable CD, etc.

**Note:** Depending on your operating system (OS), the bookmarks directory will be placed in different locations. Simply, conduct a search on your hard drives for the "Bookmarks" directory or start PowerDVD and click "Import Bookmarks..." under Configuration to determine the location.


2. Once the .bmk file has been saved into the second computer and the PowerDVD's bookmarks directory, start PowerDVD.

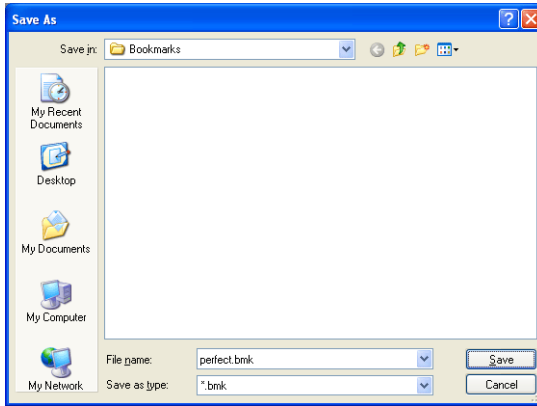
3. Click **Configuration** , select the **Player** tab, **Advanced** and then the **Bookmarks** tab.
4. Click **Import Bookmarks....**



5. Find the file in the Bookmarks directory, select it, and then click **Open**. The next time you play the DVD title on this computer, the imported bookmarks will be operational.

## Exporting Bookmarks

1. After you have added bookmarks to a specific DVD title, export them by clicking **Configuration** , and selecting the **Player** tab.
2. Click **Advanced...** and then the **Bookmarks** tab.

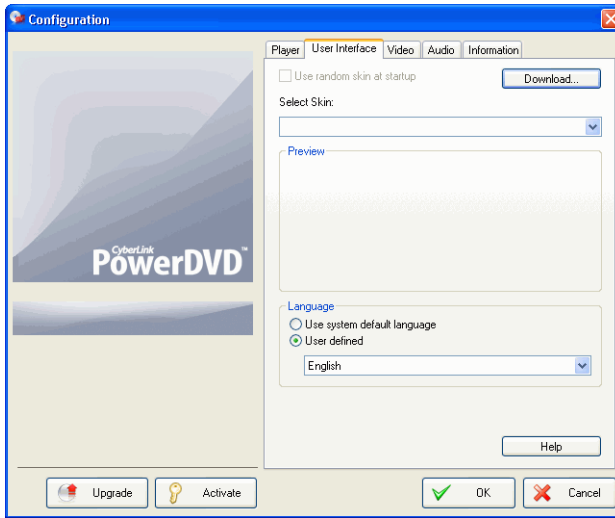


3. Click **Export Bookmarks....** A dialog box will appear for you to save it under the file extension name .bmk.
4. Enter the name and click **Save**. Remember where you saved it, for you will need this file so as to import the bookmarks into another computer.
5. Click **OK** when you are finished.




# User Interface Configuration

This configuration gives you creative control over your PowerDVD appearance.




## Skin

PowerDVD offers several different skins for users to use. To change the skin of your PowerDVD player, please do the following:


1. Click on **Configuration** , then select the **User Interface** tab.
2. Check **Use random skin at startup** to use random skins every time you start PowerDVD.
3. To select a new skin, click on its name (the preview will be provided below).
  - Click **Download** to download new skins from CyberLink.
4. Click **OK** when you are finished.

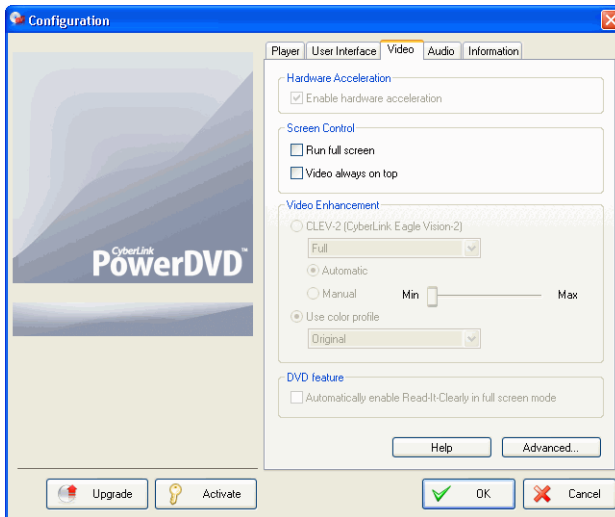
## Language

The Language option allows users to select the language they want to use for PowerDVD's user interface. Users can choose between the system default language or any languages supported by PowerDVD.

1. Click on **Configuration** , select the **User Interface** tab.
2. Select **Default System Language** to use the operating system default language or select **User defined** and choose the language you want to use from the drop-down box.
3. Click **OK** when you are finished.

# Video Configuration

1. After you click on **Configuration** , select the **Video** tab to manage the video essentials of PowerDVD.



- The first section is Hardware Acceleration. Check **Enable hardware acceleration** if you would like to activate IDCT and Motion Compensation. By enabling this option, some features will be unavailable.
- You have full control of your screen under Screen Control. Check **Run full screen** if you would like the playback default to use your monitor's maximum screen area. If you would like to keep the PowerDVD **Video always on top**, check this option.
- You can use the options under Video Enhancement to output the best quality video possible:

- **CLEV-2 (CyberLink Eagle Vision 2)** is a video enhancement technology developed by CyberLink that detects video content and dynamically adjusts the brightness/contrast/saturation ratios so that you do not need to change the color settings if the movie you are watching contains scenes that are overly dark or too bright. The **Full** option applies the effect to the entire screen, while **Split** allows you to view the effect CLEV-2 has on the current movie you are watching in order to decide whether or not to apply the effect. Use the **Level** slider to adjust the CLEV-2 effect.
  - For the options under **Use color profile**, click on the drop-down menu to select a profile. To create new user profiles, go to Color on p.73 for more information.
  - Check **Automatically enable Read-It-Clearly in full screen mode** if you want PowerDVD to activate Read-It-Clearly when you are watching movies in full screen.
2. To access more video settings, click **Advanced...** See Advanced Video Configuration on p.71.

# Advanced Video Configuration


When in Configuration under the Video tab, click **Advanced...** to access extra settings. Then, select one of the following tabs:

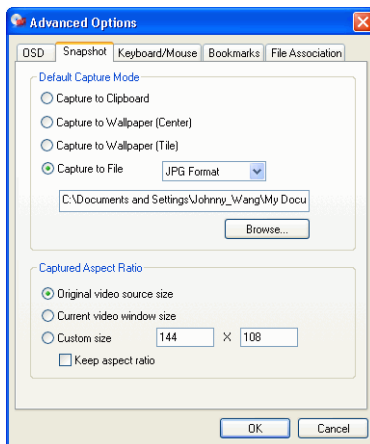
- Smart De-Interlacing Mode
- Dual Display Mode
- Color
- Aspect Ratio
- Display Device

**Note:** With the exception of De-Interlacing Mode, these options are only available during playback.

## Smart De-Interlacing Mode

This configuration allows for modifications according to display screen preferences.

1. Click on **Configuration** , select the **Video** tab, click **Advanced...**, and then select the **Smart De-Interlacing Mode** tab.



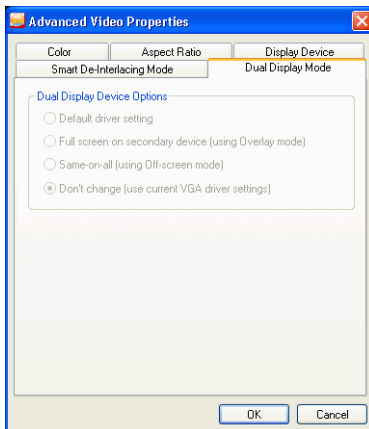
- Choose **None** if you don't wish to use de-interlacing mode.

- Select **Perform hardware de-interlacing** if your video card has hardware de-interlacing.
  - For the De-Interlacing Mode section, We recommend that you use **Perform smart de-interlacing** and the recommended setting is **Auto-select**. The **Auto-select** mode will optimize the video quality by selecting a deinterlacing mode.
  - To select a de-interlacing mode yourself, check the **Specify Manually** option, then select your **De-Interlacing Method** and **De-Interlacing Algorithm**. Advanced users should select the option that suits their needs best.
2. Click **OK** when you are finished.

## Dual Display Mode

The Dual Display Mode settings enable you to display video on two display devices (such as a computer monitor and a TV). Available options depend on your video display card.

1. Click on **Configuration** , select the **Video** tab, click **Advanced...**, and then select the **Dual Display Mode** tab.

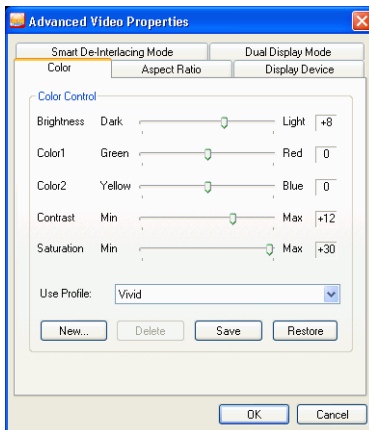


- **Default driver setting:** use the default setting of your display driver.

- **Full screen on secondary device (using Overlay mode):** use Overlay mode to display full-screen video output on your secondary display device.
- **Same-on-all (using Off-screen mode):** use Off-screen mode to display the same video output on both your primary and secondary display devices.
- **Don't change (use current VGA driver settings):** use your current driver settings, which may have been modified from their default values.

## Color

1. Click on **Configuration** , select the **Video** tab, click **Advanced...**, and then select the **Color** tab.



2. For adjusting the **Color Control**, simply drag and release one of the options when in playback or pause mode. The counter to the right of each color displays the degree of modification.
  - You may click **Save** after adjusting and it will be saved as the existing video profile. Click **Restore** to restore the original settings for a given video profile.

**Note:** Depending on your display chip, some controls may not be available for modification.

## Creating a Video Profile

You might also wish to create your own video profile with these color control settings rather than using the existing profile names. There are two main ways in going about this.

1. Click **New...** Then, enter a name for this setting.
2. Click **OK**. Now, adjust the different controls. After you are done with your adjustment, click **Save**. Click **OK** when you are done.

The second method is for users who have adjusted the controls first.

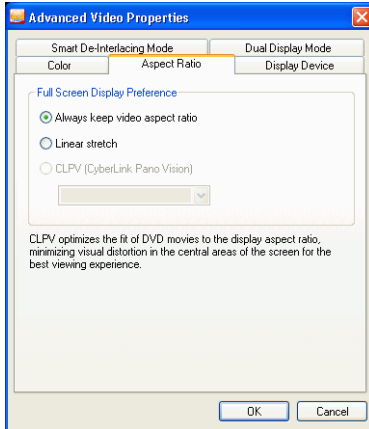
1. After you have adjusted the controls, click **New**. Then, enter a name for this setting.
2. Click **OK**. Now, adjust the different controls. After you are done with your adjustment, click **Save**. Click **OK** when you are done.

**Note:** Clicking **Restore** will only restore original values of default profiles that may have been altered. This will not apply for personal video profiles.



## Aspect Ratio

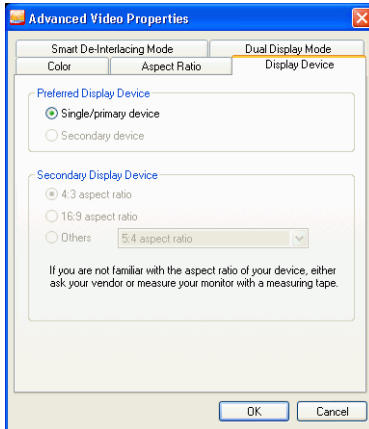
1. Click on **Configuration** , select the **Video** tab, click **Advanced...**, then select **Aspect Ratio**. These options control how video in 4:3 ratio is converted to 16:9 (and vice versa).



- In the **Full Screen Display Preference** section, the **Always keep aspect ratio** option retains the original aspect ratio whenever you resize the video display. This option is mutually exclusive with the CLPV option below.
  - **Linear stretch** stretches all parts of the video equally, resulting in noticeable distortion when the aspect ratio of the video display does not match the aspect ratio of the monitor.
  - **CLPV (CyberLink Pano Vision)** is a non-linear video stretching technology that produces minimal distortion in the center of the picture. The **Smart Stretch** option (which is recommended for most videos) stretches the video display to the height of the screen and crops slightly off the sides. The **Fit to Screen** option stretches the video to the complete size of the screen without loss at the edges. The **Keep Subtitles** option ensures that the subtitle remains visible when the video display is stretched. (This option is only available for 4:3 movie content.)
2. Click **OK** when you are finished.


## Display Device

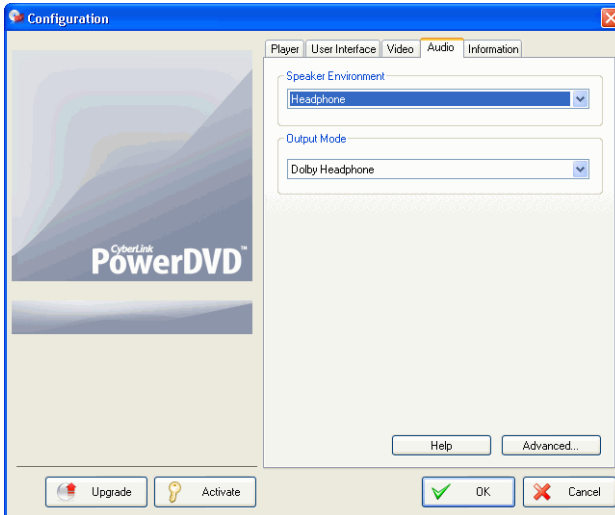
1. Click on **Configuration** , select the **Video** tab, click **Advanced...**, and then select the **Display Device** tab.



- In the Preferred Display Device section, select whether you want to use your **Single/primary device** or **Secondary device** as your main movie viewing device.
  - If you select **Secondary device**, click select the **4:3 aspect ratio** or **16:9 aspect ratio** option to specify your screen's resolution. Usually, the default will suffice. If the default does not match your output device, select an option from the **Others** drop-down box.
2. Click **OK** when you are finished.

# Audio Configuration

After you click on **Configuration** , click on **Audio**. If you would like absolute control of your Audio configuration, it is advised that you click **Advanced...** to access even more settings (refer to Advanced Audio Configuration on p.80)!



1. Depending on your sound card and/or number of speakers, choose the best suited **Speaker Environment** by clicking from the drop-down menu and making your selection.
  - **Headphones** is mainly for notebook users who listen to their audio output on headphones.
  - **2 Speaker** is the selection for most users playing DVD on their desktop/laptop who only have 2 speakers or a sound card that only outputs two channels. This selection utilizes DirectSound, Microsoft's application programming interface (API) and makes up the wave-audio component of the DirectX® API.

- The **Use SPDIF** option is an advanced technological **Digital InterFace**, as opposed to transferring signals via conventional analog interfaces, designed by the **Sony** and **Philips** corporations. To enjoy true 6 speaker output quality, you must have an external Dolby Digital/DTS decoder along with a SPDIF-compliant sound card to make this selection available.

**Note:** If the SPDIF audio output is enabled, the volume control for PowerDVD will be disabled as your decoder assumes the task.

- The **4 Speaker** selection is for computers equipped with sound cards which support 4-ch output.
  - The **6 Speaker** selection (a.k.a. 5.1 channels) is for computers equipped with sound cards which support 6-ch output and is optimal for DVD Video titles that feature multichannels encoding such as Dolby Digital 5.1 or DTS 5.1.
  - The **7 Speaker** and **8 Speaker** options are available for users who have multiple speakers and wish to output audio to each of them.
2. The following selections will only be available depending on your selection in the Speaker Environment section.
- The major difference between **Dolby Surround Compatible Downmix** and **Stereo** is that Dolby Surround uses the Dolby Surround downmixing algorithm and the possibility exists of connecting an analogue Pro Logic decoder to the sound card so as to enable 4-ch surround sound (left, right, center, surround) for Dolby Surround. Otherwise, both are relatively similar in 2-channel output. For more information, see Miscellaneous on p.80.
  - **Dolby Headphone** is a post-processing effect designed to create a virtual surround sound experience particularly for a headphone environment but is suitable also for both notebook and desktop environments. For more information, see Dolby Headphone (Optional) on p.83.
  - The **CyberLink Headphone** option uses technology developed by CyberLink to improve the quality of audio output from a notebook over headphones. The Advanced

options simulate the very different experiences of listening to sound in a well-damped Living Room, a small Theater, or a large Stadium. For more information, see CL Headphone on p.84.

**Note:** This option does not appear in all versions of PowerDVD.

- The **Dolby Virtual Speaker** option allows you to experience virtual surround sound through 2 speakers. For more information, see Dolby Virtual Speaker (Optional) on p.85.
  - **CyberLink Virtual Speaker** is a virtual surround technology developed by CyberLink. For more information, see CyberLink Virtual Speaker on p.86.
  - **CLMEI-2** (CyberLink Multi-channel Environment Impression technology 2) is an audio channel expansion technology developed by CyberLink that converts a stereo audio sound and outputs to multiple channels. For more information, see CLMEI-2 on p.87.
  - **Dolby Pro Logic IIx** has three options. For more information, see Dolby Pro Logic IIx (Optional) on p.88.
  - **Neo:6** are available in two different modes. For more information see Neo:6 (Optional) on p.88.
  - **SRS TruSurroundXT** is a virtualization technology that processes multi-channel surround sound. For more information see SRS TruSurroundXT (Optional) on p.81.
3. Click **OK** or go to Advanced Audio Configuration on p.80.

# Advanced Audio Configuration

When in Configuration under the Audio tab, click **Advanced...** to access extra settings and a monumental stage to wield your boosted acoustic power. Then, select one of the following tabs:

## Headphone Settings

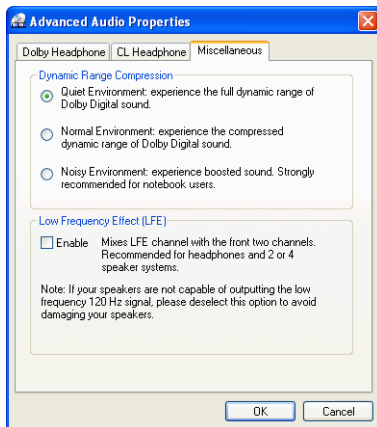
The following options are available when you select the Headphones environment in the Audio Configuration function.

### Miscellaneous

This tab allows you to configure audio properties for DVD-titles equipped with multichannel encoding.

**Note:** The Miscellaneous tab is shared among the following Headphones, 2-Speaker, and 4/6/7/8 Speaker output modes: **Stereo**, **Dolby Surround Compatible Downmix**, and **No Effect**.

1. Click on **Configuration** , select the **Audio** tab, click **Advanced...**, and then select the **Miscellaneous** tab.



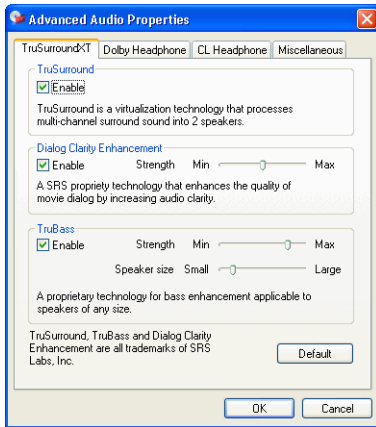
2. This **Dynamic Range Compression** section only applies to DVD-titles with Dolby Digital technology.
  - Select the **Quiet Environment** if you are in the mood to watch a movie without distractions. All audible sound, from low frequency to high frequency audio effects, will be highly distinctive and fall into the full dynamic range of Dolby Digital.
  - If your listening environment is not completely adequate to enjoy the full dynamic range of Dolby Digital, select the **Normal Environment**. Audible effects that fall in the extreme ranges of Dolby Digital's audio spectrum will be compressed.
  - If you are using PowerDVD on a notebook or laptop, the last selection is for you. In a **Noisy Environment**, low range audio signals will be amplified so that the audible volume will be increased.
3. If you wish to elevate your bass or **Low Frequency Effect (LFE)**, check **Enable**. This option will enhance the LFE effects of your Dolby Digital/DTS-enhanced DVD titles and is recommended for headphones, 2-, and 4-speaker systems.
4. Click **OK**.

### SRS TruSurroundXT (Optional)

This tab allows you to configure audio properties for TruSurroundXT, a virtualization technology that processes multi-channel surround sound into 2 speakers or a headphone.

**Note:** The TruSurroundXT tab is shared among Headphones and 2-Speaker output modes.

1. Click on **Configuration** , select the **Audio** tab, click **Advanced...**, and then select the **TruSurroundXT** tab.



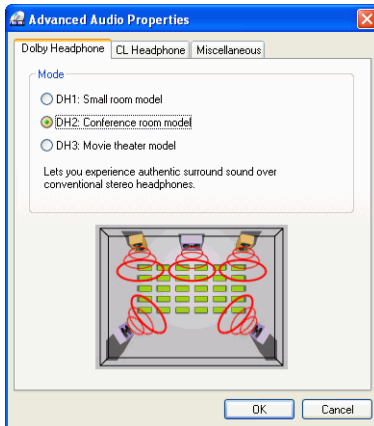
2. The **TruSurround** section is a virtualization technology that processes multi-channel surround sound into 2 speakers or a headphone.
  - Check **Enable** to enable TruSurround technology for PowerDVD.
3. **Dialog Clarity Enhancement** is a SRS proprietary technology that enhances the quality of movie dialog by increasing audio clarity.
  - Check **Enable** to enable Dialog Clarity Enhancement. Use the slider to adjust the strength of the enhancement.
4. **TruBass** is a proprietary technology for bass enhancement applicable to speakers of any size.
  - Check **Enable** to enable TruBass technology. Use the slider to adjust the strength of the enhancement and the speaker size.
5. Click **OK**.



## Dolby Headphone (Optional)

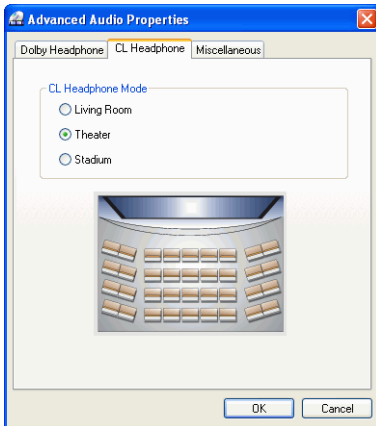
Refer to Audio Configuration on p.77 for more background information.

1. Click on **Configuration** , select the **Audio** tab, click **Advanced...**, and then select **Dolby Headphone**.



2. Select one of the following modes depending on your listening environment.
  - **DH1** simulates a small, well-damped private room appropriate for both movies and music-only recordings. It is equivalent to the Dolby Headphone “Reference Room” and is provided on all Dolby Headphone equipped products.
  - **DH2** simulates a more acoustically “live” room particularly suited for music listening (e.g. intimate jazz clubs).
  - **DH3** simulates larger venues like a concert hall or movie theater.

## CL Headphone



The CL Headphone advanced options allow you to simulate different listening environments:

- **Living Room** simulates a small, well-damped private room appropriate for both movies and music-only recordings.
- **Theater** simulates a more acoustically “live” room particularly suited for music listening (e.g. intimate jazz clubs).
- **Stadium** simulates larger venues like a concert hall or movie theater.

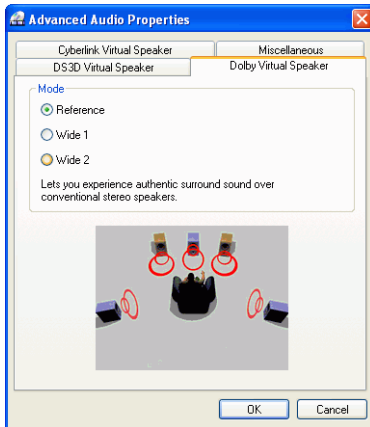
**Note:** This audio option becomes available after registering your program. For more information, see Register Your Software on p.4.

## 2-Speaker Settings

The following options are available when you select the 2 Speaker environment in the Audio Configuration function.

**Note:** Selecting the **Stereo** or **Dolby Surround Compatible Downmix** output modes opens the Miscellaneous tab. For more information, see Miscellaneous on p.80.

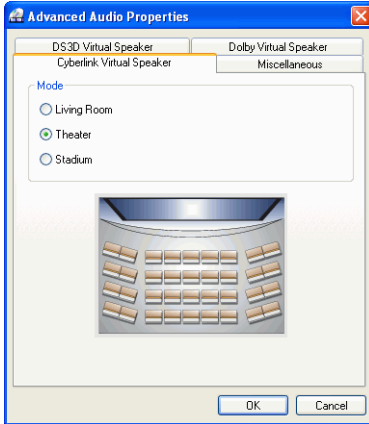
### Dolby Virtual Speaker (Optional)



Dolby Virtual Speaker technology allows you to experience virtual surround sound through 2 speakers. **Reference** mode creates convincingly realistic five-speaker surround sound from two speakers with the apparent width of the sound across the front image defined by the distance between the two speakers. **Wide 1** mode provides a wider, more spacious front image when the two speakers are close together. **Wide 2** mode is similar to Wide 1 but further emphasizes the surround speakers.

## CyberLink Virtual Speaker

**CyberLink Virtual Speaker** is a virtual surround technology developed by CyberLink.



- **Living Room** simulates a small, well-damped private room appropriate for both movies and music-only recordings.
- **Theater** simulates a more acoustically “live” room particularly suited for music listening (e.g. intimate jazz clubs).
- **Stadium** simulates larger venues like a concert hall or movie theater.

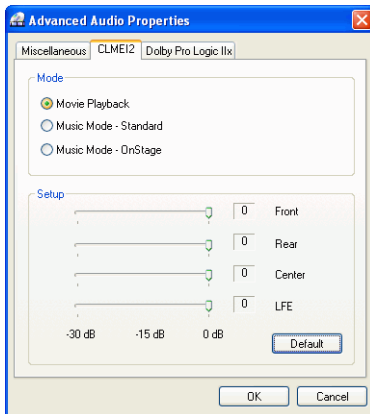
## 4/6/7/8-Speaker Settings

The following options are available when you select the 4, 6, 7, or 8-Speaker environment in the Audio Configuration function.

**Note:** Selecting **No Effect** opens the Miscellaneous tab. For more information, see Miscellaneous on p.80.

### CLMEI-2

**CLMEI-2** (CyberLink Multi-channel Environment Impression technology 2) is an audio channel expansion technology developed by CyberLink that converts a stereo audio sound and outputs to multiple channels.



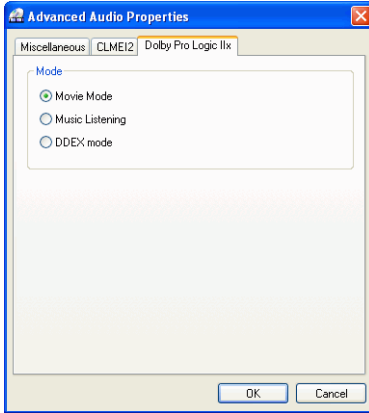
Three modes are provided: **Movie Playback** (suitable for movies, especially those with dynamic audio position shifting), **Music Mode - Standard** (simulates a concert from inside the audience), and **Music Mode - Onstage** (simulates a concert from onstage).

- Use the sliders to set the **Front**, **Rear**, **Center**, and **LFE** (low frequency effect) levels.
- Click **Default** to reset the sliders to their original levels.

**Note:** If your speakers are not capable of outputting the low frequency 120 Hz signal, it is recommended that you reduce the LFE option to avoid damaging your speakers.

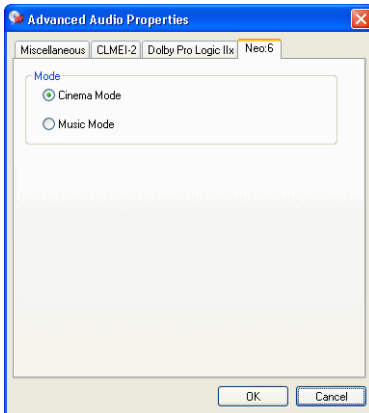
### Dolby Pro Logic IIx (Optional)

Dolby Pro Logic IIx has three options: **Movie Mode** for watching movies, **Music Listening** for listening to music, and **DDEX Mode** for enhanced surround sound).




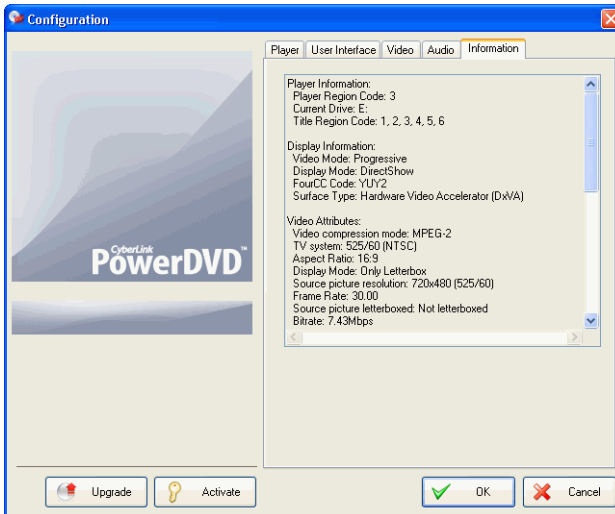
### Neo:6 (Optional)

Neo:6 is a multi-channel matrix surround sound format. It comes in two options: **Movie Mode** for watching movies and **Music Mode** for listening to music.



# Information Configuration

This configuration is for users who are searching for pertinent information regarding all aspects of their DVD entertainment. Click **Configuration**  and then the **Information** tab.



## Player Information

The region code for the player and the DVD is displayed here along with the DVD-ROM drive designation.

## Display Information

- **Video Mode:** Refer to Video Configuration on p.69.
- **Display Mode:** N/A is displayed during stop mode. Usually DirectDraw is displayed if hardware was set up properly.
- **FourCC Code:** FourCC Code is a Windows' designation for the digital video format standard. Often YV12, YUY2, UYVY, MCS3, MCAM, IMC3, etc. is displayed and may include other formats. After installing PowerDVD, the diagnostic program will automatically determine the best format.
- **Surface Type:** The default commonly used that supports display captions is "overlay", "Hardware Video Accelerator" or "Hardware Video Accelerator (DxVA)". Occasionally, it may display "off-screen". It is recommended that you either lower your screen resolution, reduce color depth, or reinstall Microsoft DirectX to make overlay mode available for optimal performance.

**Note:** We recommend using DDraw compliant display cards to utilize the Overlay feature.

## Video Attributes

These attributes outline the statistics of the current DVD or other media types. Some of these attributes will be explained briefly.

- The **Video compression mode** for DVD is MPEG-2 or MPEG-1 and for VCD, MPEG-1. SVCD may be either.
- The first figure for **TV system** is the number of horizontal lines. The second is number of fields (e.g. 525/60 is standard for NTSC television signals).



- The **Aspect Ratio** depends on the DVD title. 16:9 is the ratio for most widescreen titled DVDs and widescreen televisions nowadays.
- The **Display Mode** is read from your DVD title.
- **Source picture resolution** is the size of the resolution. The DVD standard is 720x480 (NTSC) or 720x576 (PAL).
- **Frame Rate** is number of frames per second. 30 is the standard for NTSC and 25 for PAL (MPEG-1 and 2).
- **Source picture letterboxed** denotes if DVD title is letterboxed (4:3 screen ratio).
- **Bitrate** is the maximum bitrate size for the entire movie.

## Audio Attributes

- The **Audio Coding mode** is the decoding mode, for example, Dolby Digital (AC-3).
- The **Sampling Rate** determines the sound frequency range; the higher, the better the quality.
- The **Audio application mode** displays the audio mode of some DVD titles (such as karaoke or Surround sound titles), but is not available for most DVDs.
- **Number of Audio Channels** calculates the total number of audio channels for a given DVD title.
- **Bitrate** is naturally a lot smaller in size as compared to video here and is measured in kilobits per second as opposed to megabits per second for video.
- **Number of Audio Streams** calculates the total number of streams (i.e. languages, commentaries or karaoke) for a given DVD title. Each stream will have a different total for audio channels. For e.g., some streams may support Dolby Digital 5.1 (6 channels total), while some may just be your basic two channels.

## Subpicture Attribute

- For the **Number of Subtitles**, there is a tally of the number of subtitles available.

## Hardware Information

Hardware Information displays information pertinent to DVD playback. The first section includes the CPU processor and its accompanying clock speed and a list of CPU instruction sets PowerDVD is optimized for:

- **Processor:** either Intel, AMD, Transmeta or VIA
- **3DNow! Technology**
- **Enhanced 3DNow! Technology**
- **3DNow! Professional Technology**
- **IA MMX Technology**
- **IA Streaming SIMD Extension**
- **IA SSE 2**

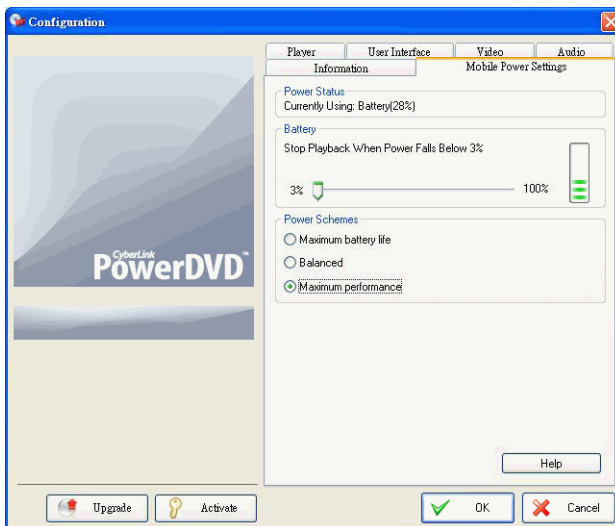
3DNow! belongs to AMD (Advanced Micro Devices), while the rest are Intel Architecture (IA) technology. If detected, PowerDVD will try to utilize the above instruction sets for optimal performance.

- The **Video Accelerator** is a feature that many display cards possess. If it is detected and enabled/disabled (please refer to Video Configuration on p.69), it will be displayed here as either (in use) or (not in use).
- If your sound card may be classified as a **Multispeaker Audio Device**, it will be displayed here as (in use). If the 4 Speaker or 6 Speaker selection is selected (please refer to Audio Configuration on p.77) the display will read (in use), or (not in use) if not selected.
- If your sound card may be classified as a **SPDIF Output Device**, it will also be displayed here as (in use). Depending on its status, (please refer to Audio Configuration on p.77), either (in use) or (not in use) will be displayed.

# Mobile Power Settings (Optional)

If you are running PowerDVD on a battery-powered notebook, you should be alert to the level of power remaining in your battery. The Mobile Power Settings allow you to select a power profile and to stop playback when your battery power falls to a specified level.

1. Click on **Configuration** , then select the **Mobile Power Settings** tab.



2. Set your mobile power setting options:
  - The Power Status area displays the power supply (battery or power cord) that your computer is currently using.
  - If your computer is using a battery, you can set the option in the Battery section to stop playback when power falls below a certain percentage (3%-100%).
  - In the Power Scheme section, you can select a setting to control power usage and playback performance. Select **Maximum battery life** to allow for longer play with a slight loss of performance, **Balanced** for an even compromise

between quality and performance, or **Maximum performance** for the best possible playback but with a slightly shorter battery life.

- See-It-All ensures that an entire movie can be watched in full by calculating a notebook's battery life versus the movie's remaining time length and adjusts the movie's playback speed accordingly. Choose the options from the drop-down box to set See-It-All to be **Always on**, **Always off** or select **Prompt me** if you want PowerDVD to ask you when to use See-It-All.
3. Click **OK** when you are finished.

# InterActual Pack (Optional)


InterActual offers extended post-production content that enriches your DVD experience. All DVDs that display the InterActual icon have this extended content. After installing the InterActual Pack, you can enjoy InterActual content using PowerDVD.

This chapter contains the following sections:

- InterActual Features on p.96
- Configuration on p.97

# InterActual Features


After you install the InterActual Pack, several InterActual features are available to enable you to enjoy InterActual content and to access InterActual-related websites on the Internet.

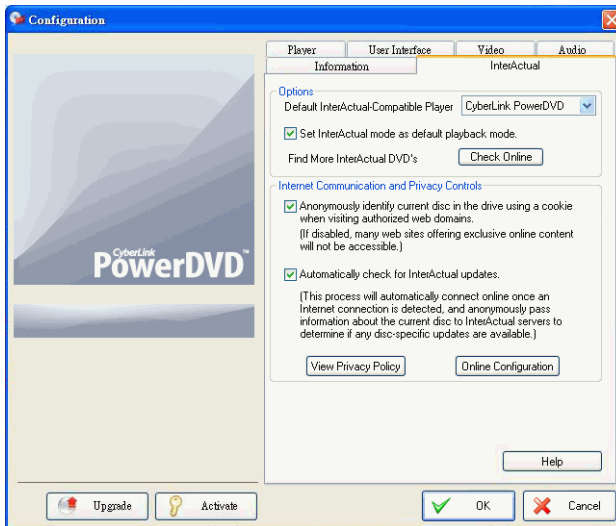
To access these InterActual features, click **Select source** , then select an option from the menu that appears:

- **InterActual Features:** Checking this option allows you to play a DVD title in IA mode. In IA mode, enhanced content (for example, games, script, and many other special features) is accessible in PowerDVD. When you uncheck this option, the enhanced content is not accessible.
- **Go Online:** Checking this option displays a special website embedded in a new PowerDVD window that allows you to view product information and make purchases.
- **Show Web Control:** Checking this option allows you to browse web page while watching IA enhanced content. By enabling this option, a web browse tool bar will be displayed in the bottom of view window.

# Configuration

PowerDVD offers configuration options that allow you to control how PowerDVD sets InterActual mode playback and how PowerDVD interacts with InterActual-related websites.

To configure InterActual options, click **Configuration** , then click the **InterActual** tab.



- **Default InterActual-Compatible Player:** Select the DVD playback program that you want to set as the default player of InterActual content from the drop-down list.
- **Set InterActual mode as default playback mode:** Check this option to enable InterActual's playback features by default. (Uncheck this option to hide the InterActual features.)

**Note:** You must be connected to the Internet to use the following options.

- **Check Online:** Click this button to check on the Internet for further DVDs with InterActual content.
- **Anonymously identify current disc using a cookie when visiting authorized web domains:** Check this option to be able to visit web sites offering exclusive online content. (If this option is disabled, these web sites will not be accessible.)
- **Automatically check for InterActual updates:** Check this option to automatically check for disc-specific updates.
- **View Privacy Policy:** click this button to display InterActual's privacy policy.
- **Online Configuration:** click this button to display a special InterActual website with configuration information.



# Technical Support

Before asking CyberLink Corp. for technical support, please refer to this user's guide or online help for more information. You may also contact the distributor/dealer where you bought this product for help. If your problem is still not resolved, the following sections provide ways to obtain technical support.

## Web Support

Technical support is available 24 hours a day and at no cost at our support web site:

[support.cyberlink.com](http://support.cyberlink.com)

You may also find additional information at:

[www.cyberlink.com](http://www.cyberlink.com) (English)

[jp.cyberlink.com](http://jp.cyberlink.com) (Japanese)

In addition to frequently asked questions, we provide troubleshooting techniques, the latest product news, and other information.

## Fax Support

For fax support, please fax us at:

**(886) 2-8667-1300**

**Note:** Technical support is only offered to registered users, so please make sure to jot down your CD-key located on your CD case when visiting our Web sites or faxing.

## Telephone Support

You are welcome to call the CyberLink's Technical Support Hotline at:

- **(886) 2-8667-1298**

Phone support hours are:

- Monday to Friday
- 9:00 a.m. - 5:00 p.m. (GMT +8:00) Taiwan local time, excluding holidays.

When calling for support, please have your computer ready and provide us with the following information:

- **your registered CD-key**
- the product version
- Windows version
- hardware devices (capture card, sound card, VGA card) and their specifications
- detailed description of the problem and the circumstances under which it occurred
- warning messages displayed (if applicable)

**Note:** Technical support is only offered to registered users, so please make sure your CD-key is ready when calling.

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