

ComproDVD User's Guide

Version 1.0

Compro Technology, Inc.
www.comprousa.com

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1 Introduction

Stability, simplicity, and superiority. ComproDVD epitomizes these traits to the maximum and gives users all they wish for in a DVD player.

ComproDVD features include importing and exporting bookmarks, creating personal video profiles, support for all rewritable DVD formats available on this planet, automatically resuming from the last scene, your own virtual surround system settings, LFE boost and much, much more!

So continue your amazing DVD journey with ComproDVD, an experience that you had never thought possible, nor imaginable. Life just got better.

Note: This guide provide the basic instruction of how to start and use the ComproDVD, for more detail information about the functions in ComproDVD, please refer to the on-line help.

Main Features

- Supports full resolution video playback at 720x480 for NTSC and 720x576 for PAL
- Correct aspect ratio and deinterlaced video frame capturing
- Supports DVD (MPEG-2), DVD VR, VCD (MPEG-1), SVCD, cDVD, cdDVD, miniDVD formats and DVD files on hard disk drive (HDD) playback
- Enriched playback smoothness and removal of jitter/jerkiness
- Certified Dolby Digital decoder (2-channels)
- Supports MPEG-2 audio and LPCM (Linear Pulse Code Modulation) decoding
- Supports Microsoft DirectShow standard interface for DVD Video or game play

- Supports karaoke and MP3 playback
- Titles and chapters navigation through numerous and blazing fast methods
- Navigation slider allows a direct and instantaneous link to any scene
- Step frame feature incorporating both forward and backward directions
- Proprietary dual subtitles capability
- Closed captioning support
- Language and subtitles selection
- Supports all DVD Video and DVD Video Recording formats
- Customize your own toolbar
- Place your virtual speakers anywhere (A3D/DirectSound3D)
- Auto-Resume continues exactly where DVD playback had left off previously
- Digital zoom at 4X or 9X equipped with location indicator
- A-B repeat function that lets you set your favorite scenes for instant repeat to your heart's delight
- Import and export your bookmarks
- Bookmark viewer provides a visual display of all bookmarked scenes
- Create playlist along with shuffle and repeat functions
- Implemented Analog Protection System (Macrovision) that supports PC to TV display
- Microsoft DirectX Video Acceleration WHQL certified
- Supported video and audio file formats: MPG, VOB, ASF, M1V, M2V, MOV, QT, AVI, WMV, DAT, VRO, WAV, MID, WM, WMA, MP2, MP3, RMI

Unrivalled Hardware Compatibility

Works with all sound cards, motherboards, and new DVD-ROM, DVD-ROM/CD-RW combo, DVD-RAM, DVD-RW, and DVD+RW drives with 1394, ATAPI, SCSI, or Card Bus interface.

Specifications (DVD Video Format)

Video

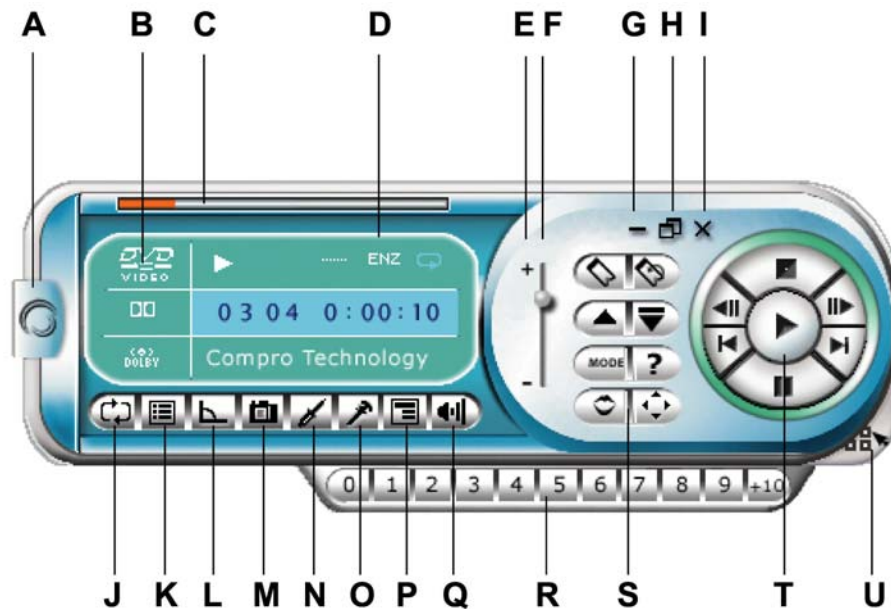
- MPEG-2 video streams comply with Main Profile at Main Level and Simple Profile at Main Level
- MPEG-1 video stream
- Supports MPG, VOB, ASF, M1V, M2V, MOV, QT, AVI, WMV, DAT, VRO video file formats

Audio

- Dolby Digital (AC-3) audio support for DVDs
 - Sampling rates: 32, 44.1, and 48KHz
 - Audio channels: 2 channels
- Linear PCM (LPCM)
 - Sampling rates: 48 and 96KHz
 - Quantization level: 16, 20 and 24 bits per sample
 - May be downmixed to 2 channels
- MPEG Audio
 - Sampling rates: 32, 44.1, and 48KHz

A Visual Overview

Main Controls

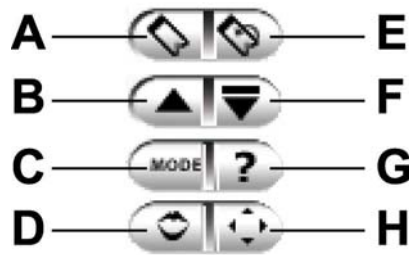


	Button/Icon	Hot Key	Description
A	About	Ctrl-A	Displays information about ComproDVD
B	Current Media Type		Display the current media type
C	Navigational Slider		Visually displays elapsed time. Click along slider to jump to other locations
D	Display Area		Displays current such as audio coding, audio mode, language, and subtitles
E	Volume Control	+, -	Control volume level by click the + and -
F	Volume Level		Displays volume level
G	Minimize	Ctrl-N	Minimizes user interface to taskbar
H	Full Screen	Z	Selects full screen mode

Introduction

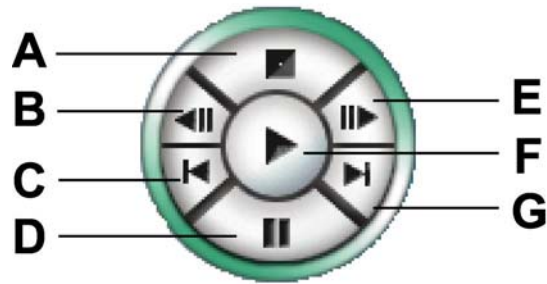
I	Power Off	Ctrl-X	Exits ComproDVD
J	Repeat	Ctrl-R	Repeat playing tracks on playlist
K	Menu	L	Open the playlist dialog box
L	Angle	A	Switches among available viewing angles if any
M	Capture Frame	C	Captures video content as bitmap image files
N	Configuration	Ctrl-C	Configuration settings are all located here
O	Karaoke	K	Switches among karaoke modes
P	Subtitles	U	Switches among available subtitles during playback
Q	Mute		Mute the volume
R	Number Pad		For entering numeric data
S	Advanced Select		Refer to “Advanced Select” page
T	Control Wheel		Refer to “Control Wheel” page
U	Show/Hide Number pad	Ctrl-T	Display or hide number pad

Advanced Select



	Button/Icon	Hot Key	Description
A	Bookmarks	Ctrl-F2	Adds current scene to bookmark list
B	Go Up	R	Goes up to previous section when navigating DVD title menu selection
C	Mode	Ctrl-O	Selects media source for playback (from disk or file)
D	Audio Stream	H	Select audio stream (languages)
E	Go to Bookmarks	F2	Directly goes to bookmarked scenes
F	Eject	Ctrl-E	Ejects discs from CD/DVD-ROM drive
G	Help	F1	Accesses online help
H	Shuffle		Random playing mode

Control Wheel



	Button/Icon	Hot Key	Description
A	Stop	S	Stops playback
B	Step Backward	Ctrl-B	Goes to previous frame
C	Previous	P	Returns to previous chapter
D	Pause	Space Bar	Pauses playback
E	Step Forward	T	Goes to next frame
F	Play	Enter	Plays media
G	Next	N	Jumps to next chapter

2 Using ComproDVD

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 of region control, select the region code number that the DVD you want to see. (Usually the region code is shown on the back of your DVD 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.

CAUTION: ComproDVD and some DVD drives will only allow you to set the regional settings five times. After that the region code will be permanently fixed. Subsequently, playback of DVD titles will be limited to one region. Note: Some DVD titles are not being region-specific.

Playing DVDs

Now you are ready to play DVD Video titles.

1. Insert your DVD disc and click **Play**. Be sure that the source is correct. If not, click **Mode** to choose the right drive.
2. A warning message or copyright information may appear. Usually, this content cannot be skipped.
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.

Navigating During Playback

If you would like to skip over certain chapters or return to more exciting scenes, ComproDVD 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.

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. An I-frame makes up the reference frame within a group of pictures (GOP), which is a technology that forms the basis of MPEG technology.

Playing Other Media Files

Playing VCD/SVCD

ComproDVD 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.

Keep in mind that SVCD is relatively a new format, and like VCD, the authoring will be different title from title.

1. Insert the VCD/SVCD and start ComproDVD. Click **Play**. Be

sure that the source is correct. If not, click **Select MODE** 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.
 - Click **Next** or **Previous** to skip or return to chapters depending if your title supports it.

Configuration Options for VCD/SVCD

VCD and SVCD programming varies greatly among titles. Therefore, not all ComproDVD features are available. Primarily, if a selection is grayed out, it is not available for that specific title. Most of the functions in the Main Controls will not be available for SVCD/VCD.

Here is a list of unavailable configuration tabs:

- General > Bookmarks
- Parental Control
- Angle, Subtitles and Language Select

Playing Files

When you feel like playing files or audio CDs, simply follow the instructions below to conveniently drag 'n' drop files or to select, assemble, save, and rearrange playlist as your desired.

Drag 'n' Drop for Playback

The simplest way is to drag 'n' drop a file directly onto the ComproDVD user interface and it will play right away. This includes all media file types that are supported by ComproDVD and playlist

formats (.m3u and .pls).

1. Start ComproDVD and open the Windows Explorer (or any folder).
2. Now, for any drag 'n' drop assignment, it is best to resize your Windows Explorer window so that the ComproDVD icon is visible.
3. Find your file, click it, drag it over to the ComproDVD user interface, and then drop it.
4. ComproDVD will begin playback.

Creating Playlists

1. First click on the **Select MODE** button on the user interface and select **Open Media Files**.
2. Click **Menu** for the Playlist dialog box. Begin selecting your file(s) by exploring your hard disk drive (left side) and selecting folders that have video and audio content.
3. Select files in the upper right hand window, labeled "Path:," and click **Add** to add to your playlist. To remove, select the file from your lower right hand, labeled "Playlist," and click **Remove**.

Tips: 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.

- Click on the **File Types** tab (default is Browser) for the left hand window 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. You may also enlarge your window by pointing to the right corner and resizing the dialog box accordingly by clicking and dragging.
- Click **Load List...** if you have playlists in .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 or edited playlist, click **Save List...** after you are done. Choose a location and click **Save**.
4. Click **OK** if you are satisfied with your current list.
 5. Now, to play your playlist, click **Play**. Use the **Shuffle** (explained below), **Repeat**, or **Number Pad** functions for added convenience.

Shuffling

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

1. After creating a playlist with more than one file, click **Shuffle**.
2. Click **Play**. Files will then be played randomly.

Playing Audio CD

For playing audio CDs, through **Select MODE** you may select the proper drive or play your CD by selecting **Open Media Files**. Please refer to "**Parental Control**" on page 72 for more information.

1. Start ComproDVD, 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** at once to add to your Playlist. For adding multiple tracks, depress <CTRL> when selecting or depress <SHIFT> to select adjacent tracks.
5. Click **OK** when you are finished.

DVD Video Recording (VR) Format

Rewritable DVD discs have emerged in the form of CD-R and CD-RW. As media files increase in size and the demand for recording high quality video on rewritable discs displaces the current trend of audio recording with CD rewritable discs, DVD technology will finally be utilized to its maximum. Rewritable DVD discs, such as DVD-RW or DVD-RAM, can store as much as 7X more data than recordable CDs.

ComproDVD allows you to read and play DVD-RW or DVD-RAM discs. The features listed below coincide with the same feature as normal DVD-ROM or titles for both formats:

- Capturing frames
- Bookmarks
- Repeat
- Step forward or backward
- Subtitles (if available)
- Audio streams (if available)
- Audio channels (if available)

DVD VR Introduction

As with any technology, formats that may seem similar can be radically different as they undergo transformations in the quest for compatibility. DVD-RW and DVD-RAM are no different. Thus, the aforementioned technologies and their associated recording hardware devices will differ in many respects, which will affect the features the disc will contain. Listed below are features that are not universally supported:

- Playlists
- Subpictures (or subtitles)

- Still pictures with no audio
- Still pictures with snapshot and audio
- Still pictures with additional audio

Keep in mind that authoring or editing may occur after the initial recording.

DVD VR Basics

All the recorded content found on DVD-RW or DVD-RAM discs is called a Program Set, which consists of a maximum of 99 programs per disc. Each program consists of cells. One or more cells makes up a program. In essence, if compared to DVD Video titles, a program could be seen as a title while a cell can be seen as a chapter.

The original program set is sometimes referred to as Original PGC. Depending on the recording hardware, you may devise your own playlists. These playlists are also referred to as User Defined PGCs.


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.

Navigating between Programs and Cells

Navigation as compared to DVD Video discs are similar except that the terms “Titles” and “Chapters” are not used but instead replaced with “Programs” and “Cells”.

3 Configuration

Click on the configuration button  displays the tabbed configuration menus. Select among the tabs.

General Configuration

General configuration lets you set the most common DVD preferences.

1. If you have multiple drives, the **Default CD/DVD Drive** option lets you select your preferred drive. Otherwise, the default setting should be correct and will display the title of the current disc.
2. The next sections are for certain behaviors that you may turn on or off.
 - Check the **Play automatically upon inserting disc** if you would like ComproDVD to automatically play discs whenever they are inserted.
 - Check the **Show warning messages** if you would like to see warnings and additional cautions.
 - **Show icon in system tray when minimized** displays the ComproDVD icon in the system tray (lower right corner of your screen area by the time display) when minimized so it increases accessibility.
 - When **Run ComproDVD automatically at the Windows' startup** is checked, every time you turn on your computer, ComproDVD 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, which will reveal what the function is whenever your cursor is positioned over a specific function or feature.

3. The last section is the DVD Auto-Resume Settings. 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 ComproDVD. Select an option from below.
 - The **Always play DVD title from 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 user 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. Click **OK** when you are done.
5. If you would like to configure additional settings, select one of the other configuration tabs or click **Advanced** to access more General configuration. **Advanced General Configuration** includes following tabs:
 - Mouse and Keyboard Setting
 - Bookmarks
 - Toolbar
 - OSD Setting
 - Capture Configuration

Please see the on-line help for more information.

Skin Configuration

There is only one skin available in this version of ComproDVD.

Video Configuration

The first section is **Hardware Accelerator**. Check **Enable** if you would like to activate Motion Compensation. By enabling this option, some features will be unavailable. (Refer to on-line help for more information)

Advanced Video Configuration

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

- Screen
- Color

Please see the on-line help for more detail.

Audio Configuration

This version of ComproDVD only support 2-channels mode. For more information and advanced audio configuration. Please see the on-line help for more detail.

Parental Control Configuration

After installing ComproDVD, the default operation mode is a single-user mode that grants you the privilege to access all levels of DVD titles. ComproDVD's **Parental Control** configuration restricts

viewers' contents similar to the one imposed by movie theater studios. To access, click **Configuration** and then select the **Parental Control** tab.

Provided below is a ratings' guide and instructions for setting multi-user modes to restrict access Click on **Add User**.

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.

You can find the information below:

- Player Information
- Video Attributes
- Audio Attributes
- Attributes Subpicture
- Hardware Information

Please see the on-line help for more detail.

