

DVD Ripper Master

McFunSoft Corporation
<http://www.mcfunsoft.com>

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Introduction



DVD Rip Master provides a fast and easy way to copy your DVD movies onto your hard drive. It enables you to watch and copy DVD movies on any DVD drive!

DVD Rip Master is a professional DVD ripper software designed to convert your favorite DVD movies to popular video formats including MPEG-1, MPEG-2, AVI (DivX, XVID, MP43, YUV), DVD NTSC Long Play, etc. With a very easy-to-use interface, you can also convert VOB and IFO files into these formats.

In addition, the intuitive interface makes DVD Rip Master the perfect tool for both new and experienced users. It supports batch file converting. DVD Rip Master allows you to adjust volume, size and more!

We would like to express thanks to all the people who have contributed greatly to this software project. They are: Kevin V, Arthur Q, Windy J, Ella H, Deane T, Michael T, Dirk W, Laurent F

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Why DVD Rip Master?



All in one tool

DVD Rip Master supports a wide range of formats: AVI , MPEG1, MPEG2, etc.



Easy-to-use

With a step-by-step manual, the software will make the task of converting video files a breeze.



Save time

With the latest technology, it is outstanding both in **speed** and in **visual quality**, and helps you make a better DVD in less time! The **easy-to-use** interface also helps you catch on to the system quickly. According to surveys, DVD Rip Master saves **35%** of your time in converting DVD formats.



Save money

With the ability to convert a wide range of formats, Fox Video Capture/Convert/Burn Studio is **your one-way ticket** to video conversion. The **powerful upgrades** frequently offered from McFunSoft **reduces the continuous investment of software updates**

Yours for only \$29.95!

BUY NOW

What you will have after purchasing this product:

Full version of DVD Rip Mater

The possibilities of the full version of DVD Rip Mater are endless. There are no ads in the full version and you can have fun with unlimited multi-media production.

Registration Codes

After your purchase, you can get your own registration codes and have all services from McFunSoft.

Lifetime License

Free online upgrades for life.

More Discounts

Great benefits for our customers, such as coupons for other products from McFunSoft. See more in the [Discount Center](#).

Excellent Customer Care

We are pleased to offer quick and high-quality customer care to meet your service needs.

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How to buy DVD Rip Mater

- [Why DVD Rip Mater?](#)
- [What will I have after purchasing?](#)
- [Is my order secure?](#)
- [Order Now](#)

You can purchase DVD Rip Mater securely through the web using [ShareIt](#). It is fast, simple and secure!



Buy it for only ~~34.95\$~~ 29.95\$ (Limited Time!)! After a few simple purchase steps, you will have DVD Rip Mater with all the functions, a lifetime license and powerful service!

Click the BUY NOW button below to purchase it. Then carefully fill in and submit the order form that follows.



As soon as you make your order, [ShareIt](#) will verify it. Your order will most likely be processed in 1 hour, but in some VERY rare cases it may take [ShareIt](#) more than 24 hours to process your payment.

A registration key will be automatically generated at our server and e-mailed to you immediately after we receive payment confirmation from [ShareIt](#).

Please don't worry if you don't receive the registration information right away. Delays usually occur due to the high security settings of spam filters used by our clients. Our message may be rejected as a spam message by the mail service you use.

If you haven't received the registration message within several hours, feel free to contact our [Support Team](#) via email.

If you have questions concerning our software, please send e-mail to: sales@mcfunsoft.com. **We will always do our best to help you!**

Why DVD Rip Master?

▶ Save time

- It is outstanding both in **speed** and **visual quality**.
- The **easy-to-use interface** helps you catch onto the system quickly.
- According to surveys, it saves **35%** video conversion time.

▶ Save money

- It is your **one-way ticket** to video creation and conversion.
- 30-day money-back** guarantee if you are not satisfied with it!

▶ All in one tool

Whether you are converting DVD to **AVI (DivX, XVID,MP43,YUV...)**, **VCD (MPEG1)**, or **SVCD (MPEG2)**, the DVD Rip Master does it all.

▶ Easy-to-use

With the step-by-step manual, enjoyable interface and **one-click process**, you will greatly enjoy your DVD Rip Mater multimedia experience.

BUY NOW

What will you have after purchase?

- **Full version of DVD Rip Mater**

Fun with unlimited functions and video converting.

- **Lifetime license**

Free online upgrades with the [Lifetime Upgrade Policy](#).

- **Customer care**

We are pleased to offer our care to meet your needs. We promise that any customer questions will be replied within **1** business day!

- **Coupons for McFunSoft products in Discount Center**

More benefits for our customers can be found in the [McFunSoft Discount Center](#).

BUY NOW

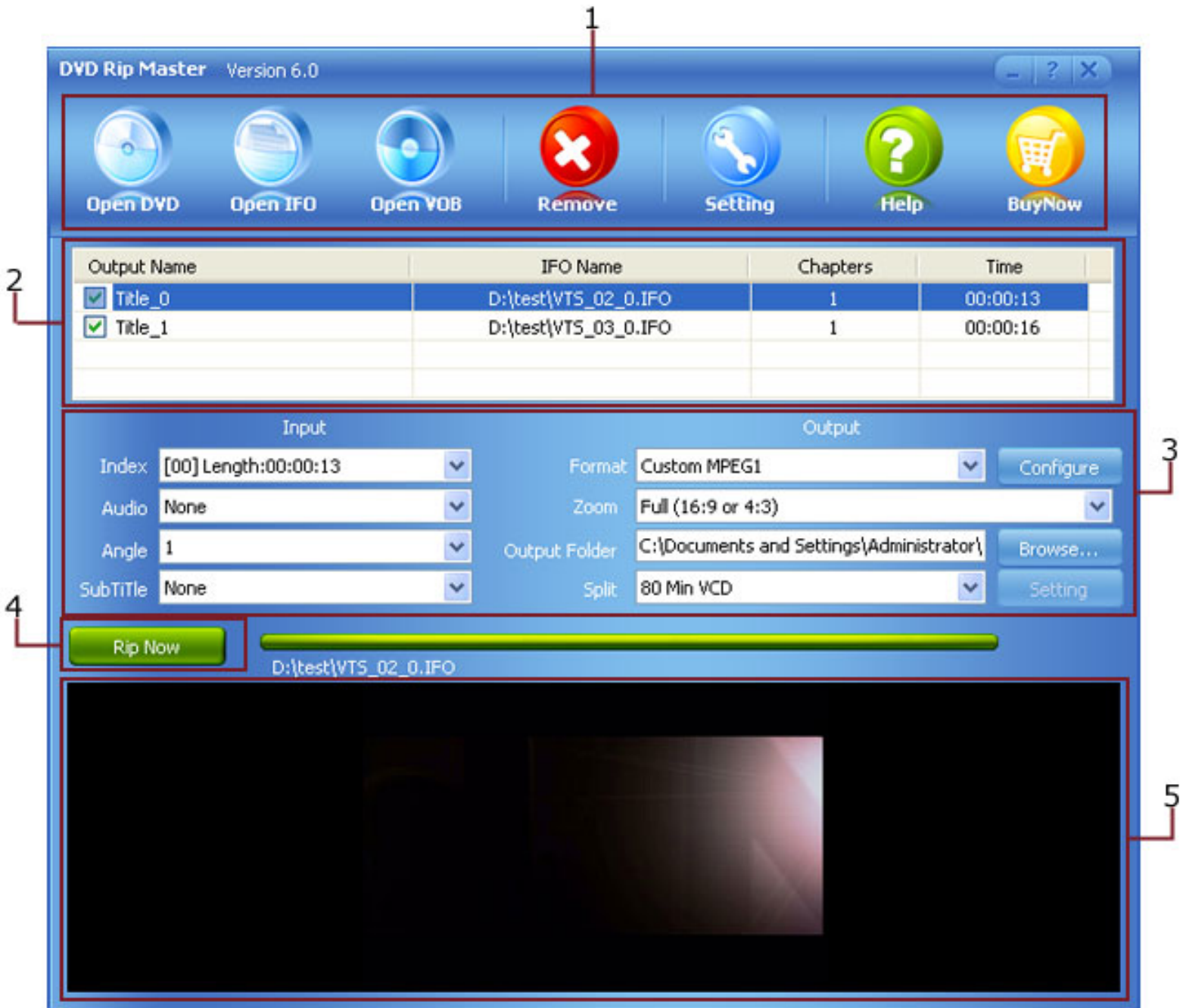
Is my order secure?

As we have for years, we promise the most secure purchases.

McFunSoft partners, [ShareIt](#) and [RegNow](#), have passed strict certification. We truly believe that 'Only by benefiting our customers can we benefit ourselves'. The security of your purchase from McFunSoft is our top priority! McFunSoft has been involved in E-commerce for years, during which we have built up a secure online shopping system. You can enjoy the speed and convenience we offer.

BUY NOW

The user interface (Overview)



1. Main Panel

Contain buttons that correspond to main functions.

2. Show Window

Display information in 'Input File', 'Output File' and 'Profile'.

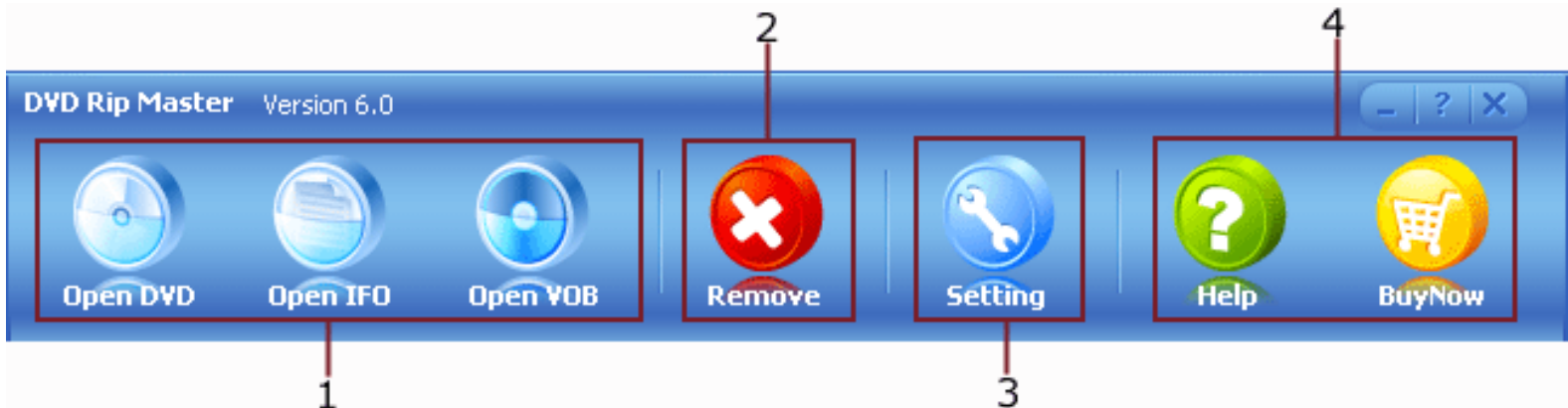
3. Edit Buttons

Select and edit files for Input and Output. All information exists in the Show Window.

4. Rip Button

Start DVD conversions after confirming Input, Output and Convert Formats.

Main Panel



1. Formats Button

Select the "Open DVD" button, and you can open .IFO and .VOB files;
Click the "Open IFO" button, and you can open .IFO files only;
Click the "Open VOB" button, and you can open .VOB files only.
If you don't know what ".IFO" and ".VOB" are, [please click here](#).

2. Remove Button

Click this button to delete a selected task in the task list or right-click menu to delete a task or all tasks.

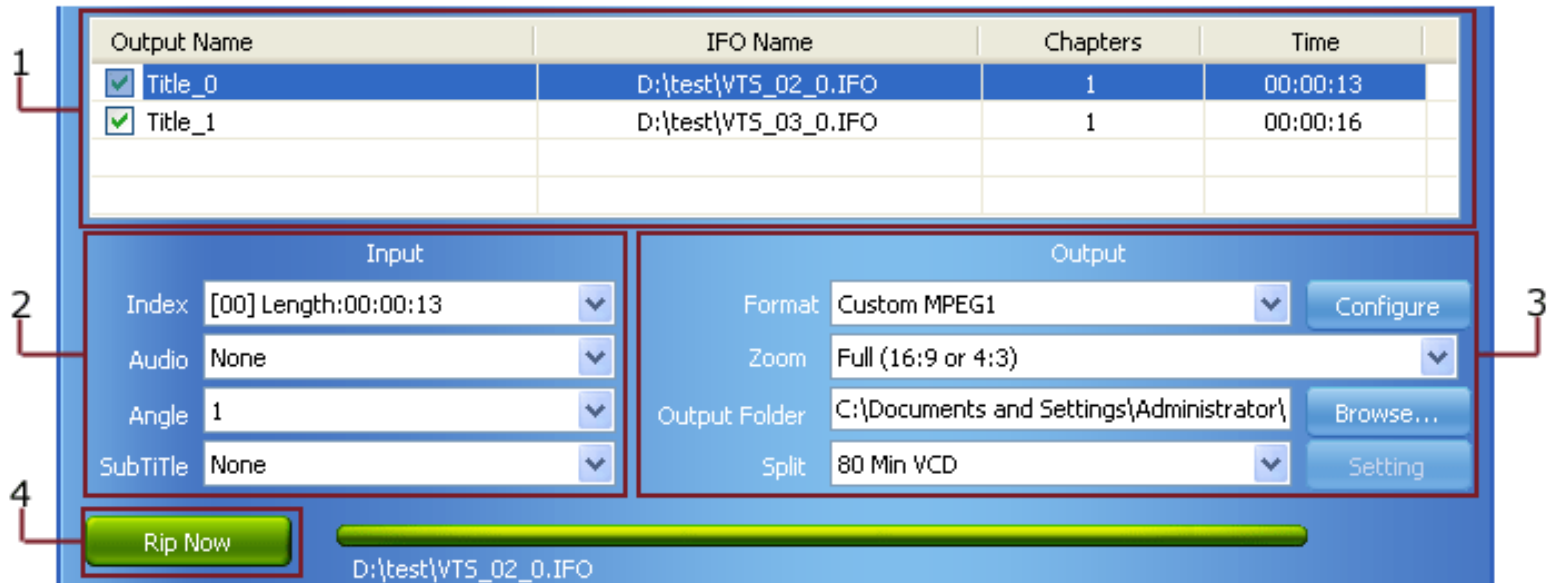
3. Setting Button

Allows you to configure advanced settings, such as file split mode, AVI Codec, resolution, etc.

4. Additional Button

Select a button to read the Help File or register DVD Rip Master.

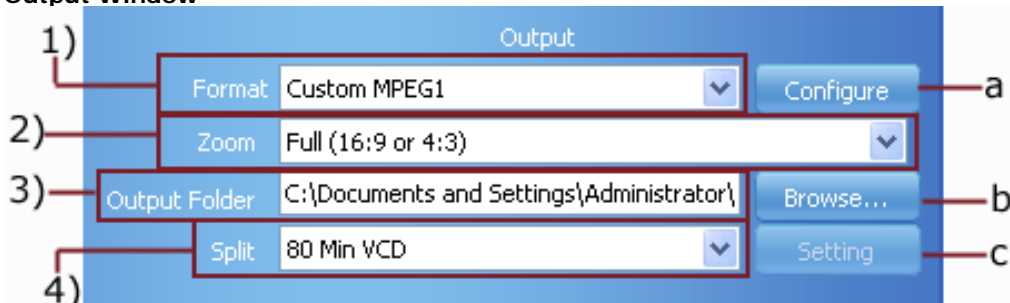
Edit Buttons & Show Window



The Show Window expresses the edited result of the Edit Buttons.

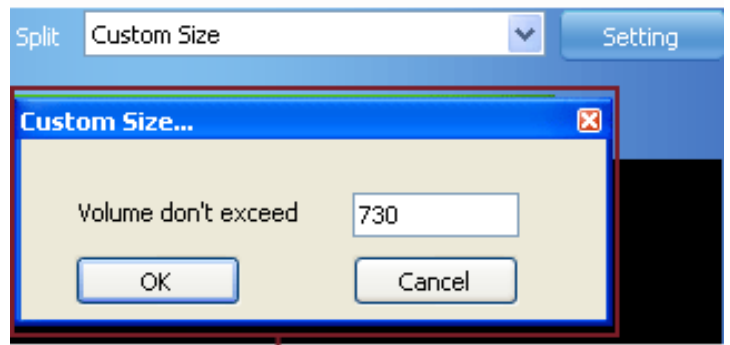
- 1: Displays the output name, IFO Name, Chapters, and Time.
- 2: Displays the input file's information .
- 3: Displays the output file information and edit buttons.
- 4: Click "Rip Now" after confirming Input, Output and Convert Formats.

Output Window



- 1):select an output format: MPEG1,MPEG2,AVI, etc.
- 2):select your zoom: full (16:9 or 4:3), letterbox (16:9 or 4:3),...

- a) **Configure**: Customize output settings. You can output your file here.
- b) **Browse**: Select the Output Directory. One or all output videos will be directed to this folder. Show Window(3).
- c) **Setting**: Select Custom Size in Window 4 to edit your data. The "setting" button will appear blue if your data does not need editing.



Only opt for "custom size",
you can edit your data.

Set Profile

Set Profile is a tool with which you can set several parameters of your output files. If you need a professional video output, you can customize the output settings in "profile editor". It is highly recommended that you use the default settings.

Video settings for different video formats can be selected from "Output Format".

Set the MPEG Profile

[General Window;](#)

[Global Window;](#)

[MPEG Specific Window;](#)

Set the AVI Profile

[General Window;](#)

[Global Window;](#)

[AVI Specific Window;](#)

[Set Property](#)

What are MPEG and AVI video formats?

MPEG

MPEG stands for 'Moving Pictures Experts Groups'. It is a group working under the directives of the International Standards Organization (ISO) and the International Electro-Technical Commission (IEC). MPEG is a committee of experts from the audio, video and computer industries developing an evolving series of standards for the compression of moving images.

MPEG-1 defines a framework for encoding moving video and audio, significantly reducing the amount of storage with minimal perceived difference in quality. The MPEG-1 video compression method uses the previous frame's information in order to reduce the amount of information the current frame requires. In addition, the audio encoding uses something called psychoacoustics - compression removes the high and low frequencies a human ear cannot hear.

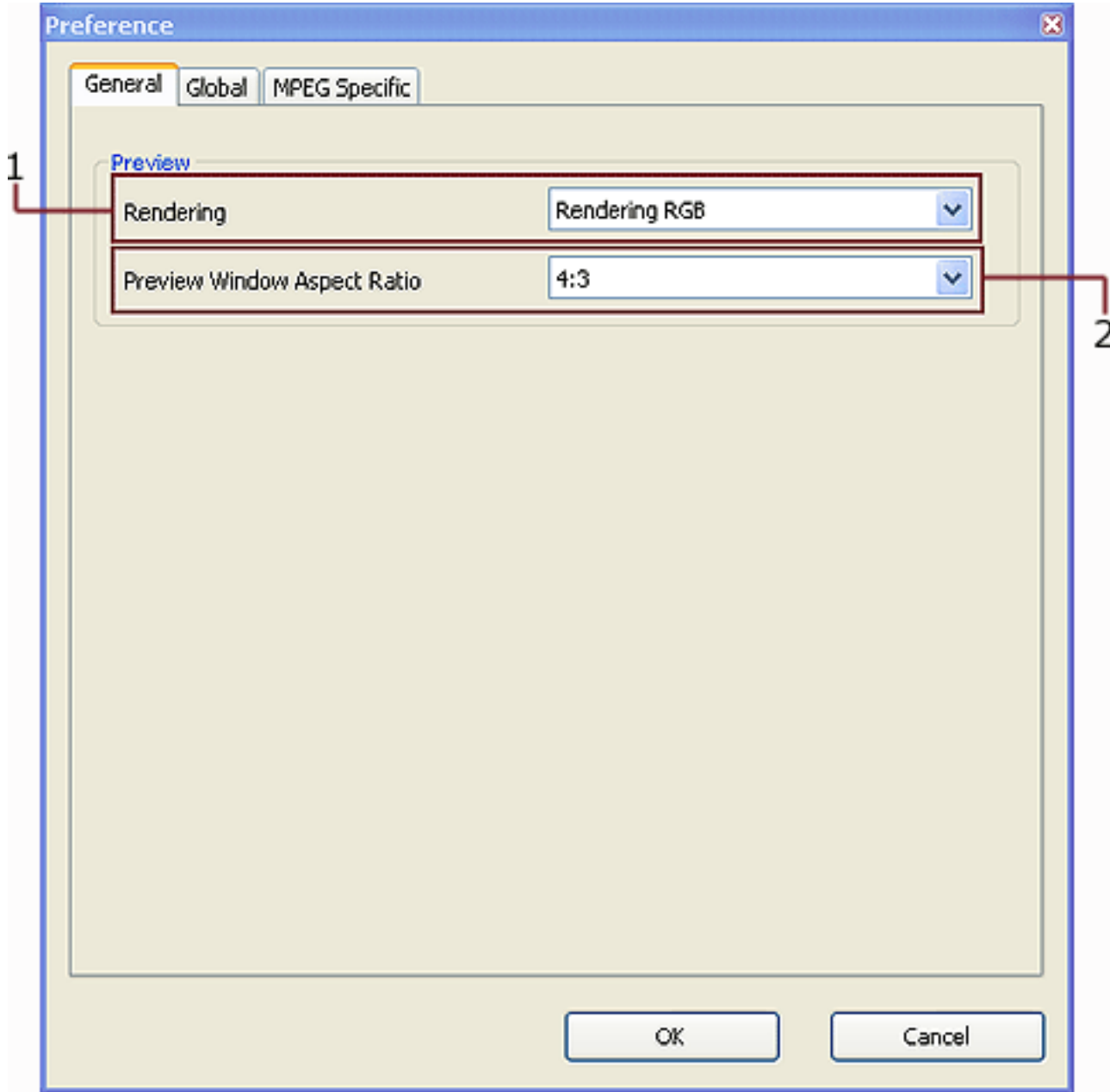
MPEG-2 is not a successor to MPEG-1, but rather an addition - both of these formats have their own purposes. MPEG-1 is a relatively low-resolution format currently used in VCD and the World Wide Web for short animated files. The MPEG-2 is a much higher resolution format developed for digital television and used in DVD.

AVI

AVI stands for Audio Video Interleave. This is a container video format that specifies how the audio and video streams should be stored within the file. AVI itself doesn't specify how it should be encoded (just like the streaming format ASF), so the audio/video can be stored in very various ways. The most commonly used video codecs that use AVI structure are M-JPEG and DivX. AVI contains code called FourCC, which specify the format in which the codec has been encoded.

General Window

General Window



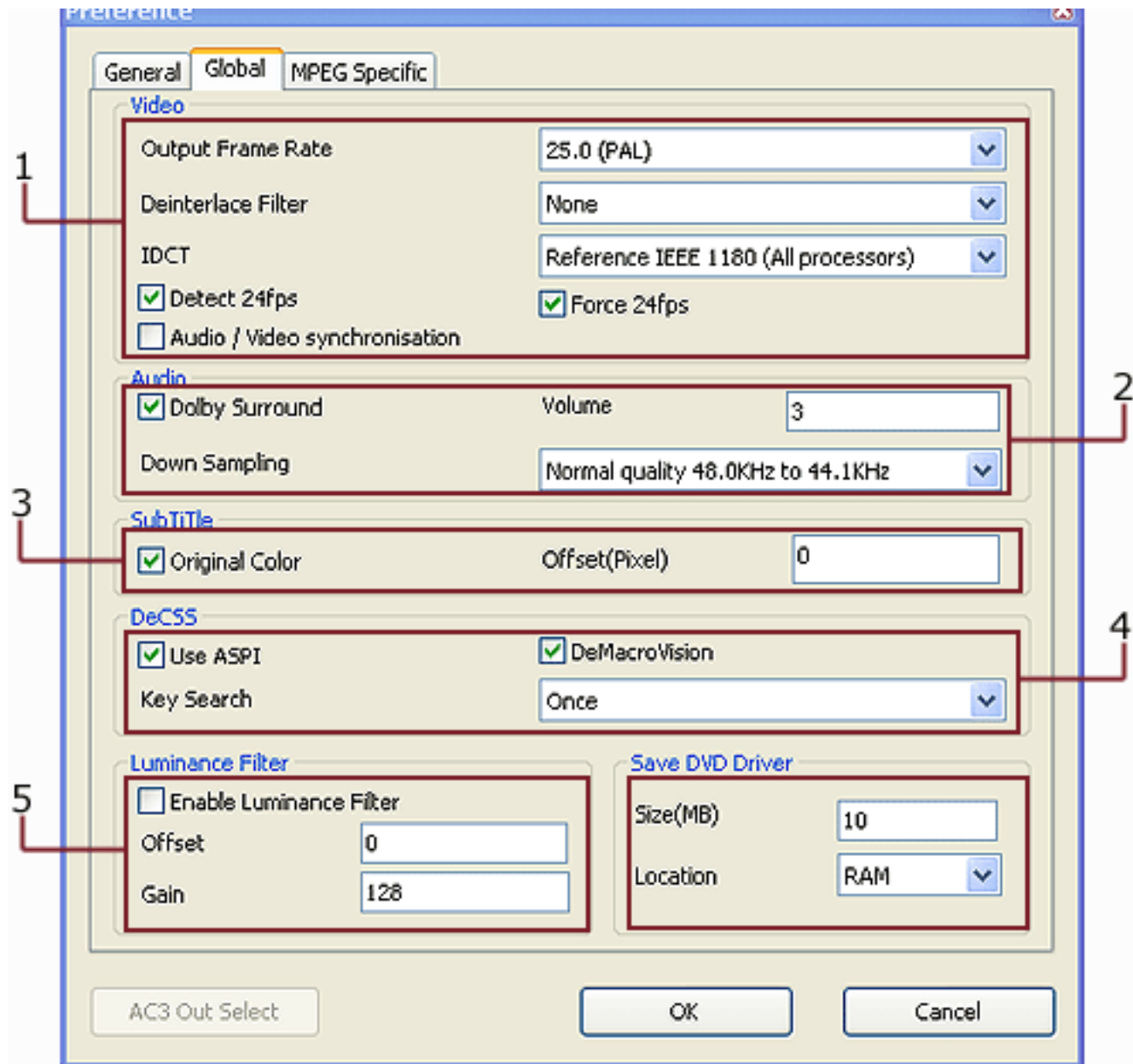
1. Rendering

Supports two rendering modes: RGB and YUV. Choose one from the drop down list.

2. Preview Window Aspect Ratio

Choose a ratio aspect from the drop down list.

Global Window



1. Customize video settings.

2. Customize audio settings.

3. Customize subtitle settings.

4. DeCSS

"DeCSS" is important for ripping DVD movies.

DeMacroVision: Check the box "DeMacroVison."

Key Search: Select the Key Search from the drop list on the right.

Use ASPI: Check the box "Use ASPI" if you have an ASPI driver.

5.Luminance Filter

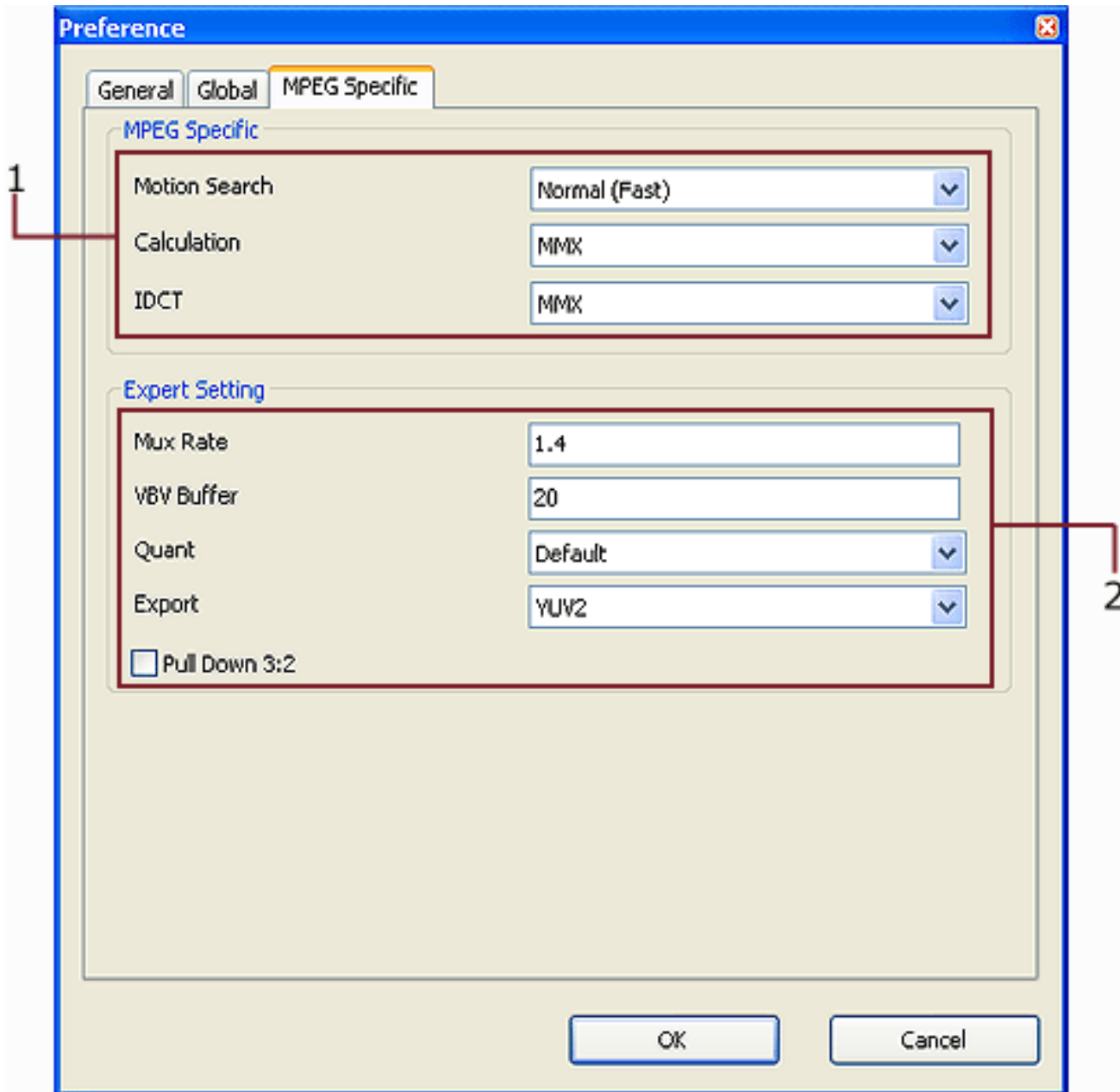
The higher figure you set in Gain, the higher luminance will be.

6.Save DVD Diver

You can save on RAM or HD.

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MPEG Specific Window



1.MPEG Specific

Customize project preferences in the drop lists. The encoded results might be slightly affected, however, so the default setting is highly recommended.

2.Expert Setting

The default setting gives good results for most DVDs.

Reference:

[calculation](#)

[IDCT](#)

[buffer](#)

calculation

A calculation is a deliberate process for transforming one or more inputs into one or more results.

IDCT

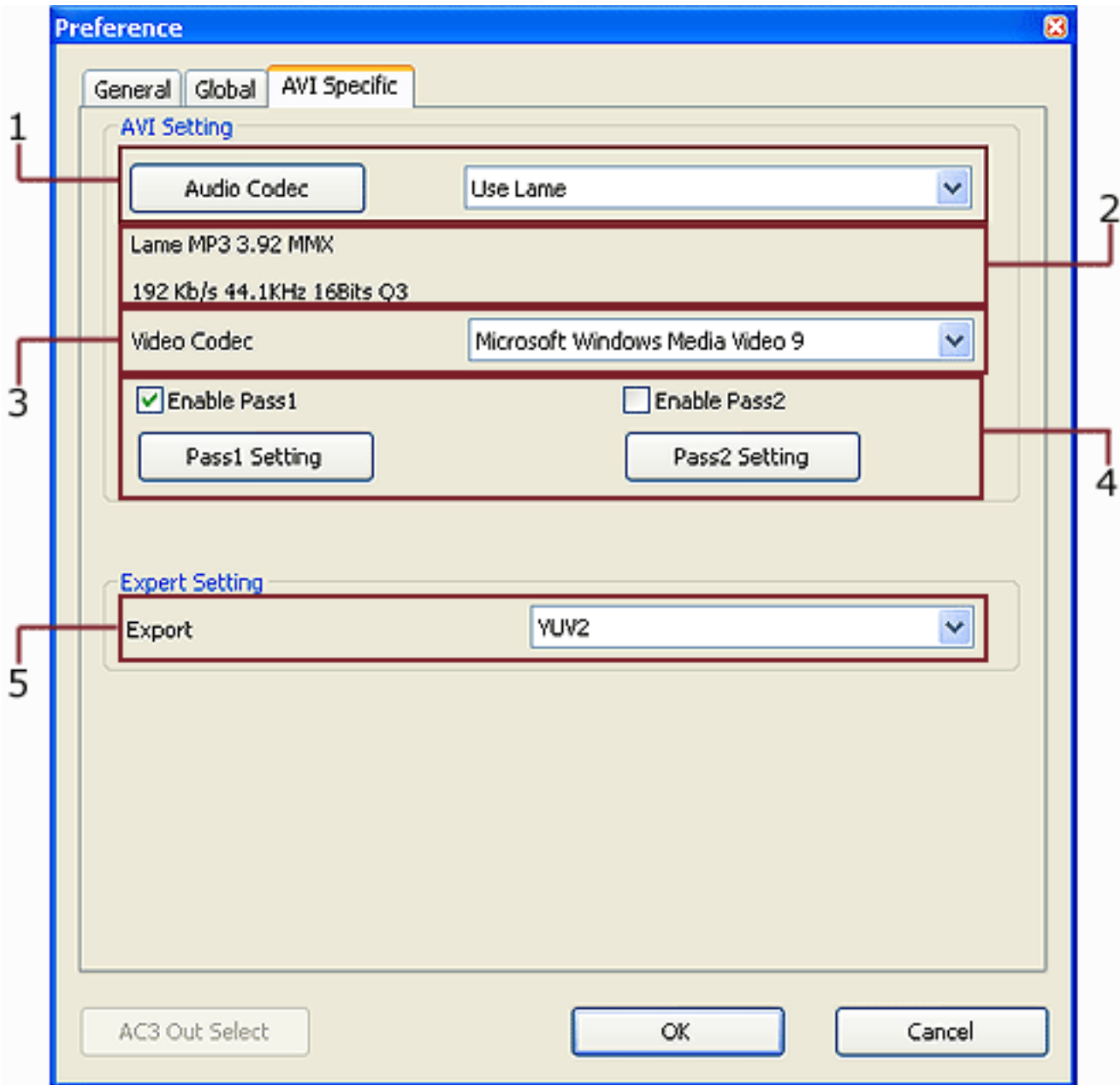
IDCT is an acronym for Inverse Discrete Cosine Transform, a transformation step commonly used in software that works with different multimedia formats such as MP3, Vorbis, MPEG or JPEG.

buffer

The buffer is the basic editing unit; one buffer corresponds to one text being edited. You can have several buffers, but at any time you are editing only one, the `current buffer,' though several can be visible when you are using multiple windows (qv). Most buffers are visiting (qv) some file.

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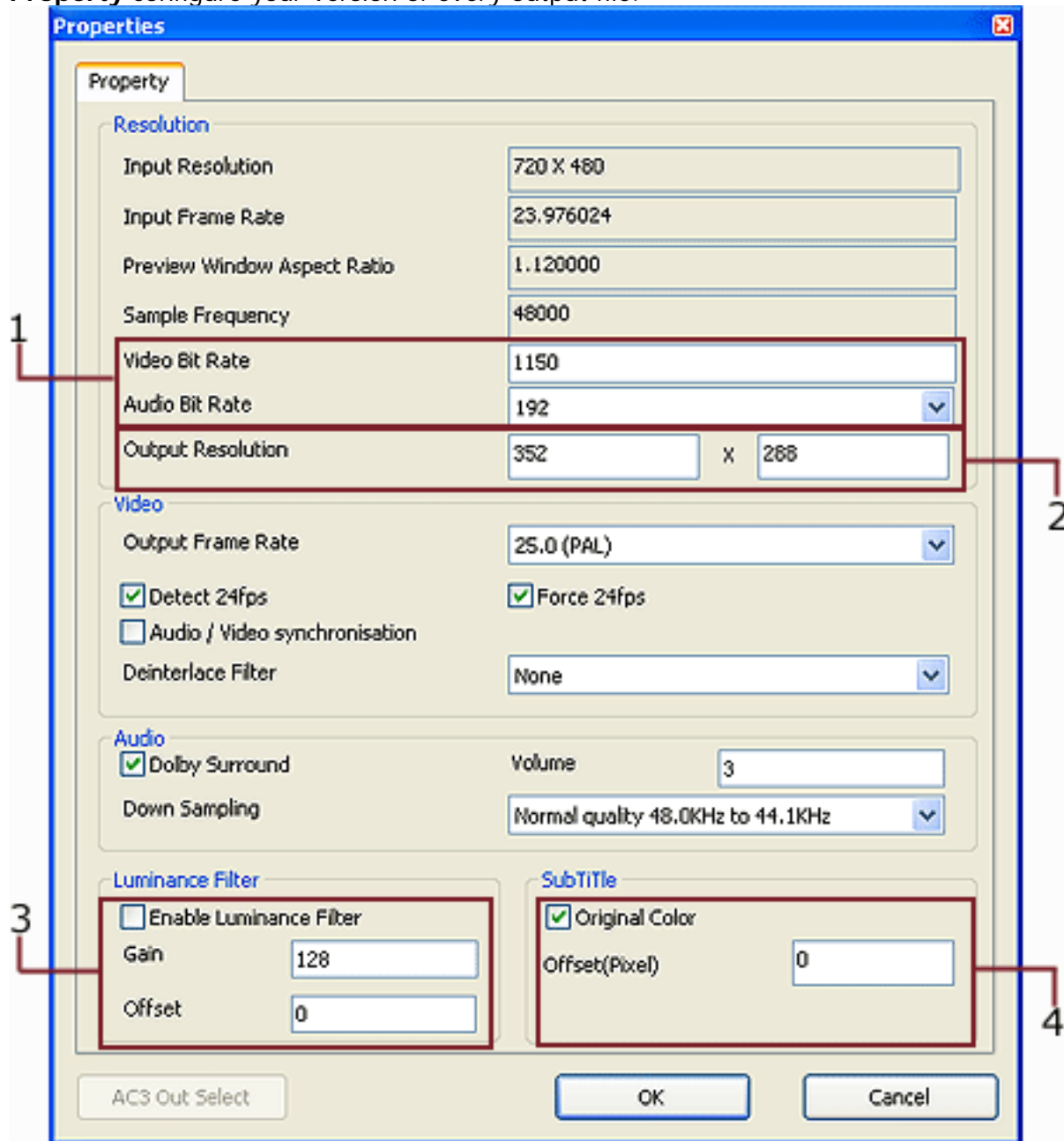
AVI Specific Window



1. Select Audio Codec setting from the drop down list. (Disable, Store to Wav, Use Lame, Use ACM)
2. Displays Audio Codec Selection.
3. Select a Video Codec setting from the drop down list.
4. Select Pass1 or Pass2 Setting.
5. Default settings are highly recommended.

Property Window

Property configure your version of every output file.



1. Adjust the settings of output file.
2. Change Output Resolution.
3. The higher figure you set in Gain, the higher luminance will be.
4. Customize subtitle settings.

To rip your DVD to MPEG

DVD Rip Master is the best, fastest and easiest way to rip DVDs to different formats. Learn how to rip DVDs to MPEG1/VCD here!

The screenshot shows the DVD Rip Master software interface. The title bar reads "DVD Rip Master Version 6.0". The interface includes a toolbar with buttons for "Open DVD", "Open IFO", "Open VOB", "Remove", "Setting", "Help", and "BuyNow". Below the toolbar is a table with columns for "Output Name", "IFO Name", "Chapters", and "Time". The table contains two entries: "Title_0" with IFO name "D:\test\VTS_02_0.IFO" and "Title_1" with IFO name "D:\test\VTS_03_0.IFO". Below the table are input and output settings. The "Input" section has fields for "Index" (set to "[00] Length:00:00:13"), "Audio" (set to "None"), "Angle" (set to "1"), and "SubTITLE" (set to "None"). The "Output" section has a "Format" dropdown set to "Custom MPEG1", a "Zoom" dropdown set to "Full (16:9 or 4:3)", an "Output Folder" field set to "C:\Documents and Settings\Administrator\" with a "Browse..." button, and a "Split" dropdown set to "80 Min VCD". A "Rip Now" button is located at the bottom left. A progress bar is visible below the "Rip Now" button, and a video preview window is at the bottom.

Step 1: Select input file. (Points to the "Open DVD", "Open IFO", and "Open VOB" buttons.)

Step 2: Select "Custom MPEG1" in the Format box. (Points to the "Format" dropdown menu.)

Step 3: Set the MPEG Profiles for output DVD. (Points to the "Configure" button.)

Step 4: Select output file directory. (Points to the "Browse..." button.)

Step 5: Click Rip Now to start ripping. (Points to the "Rip Now" button.)

- Step 1:** Select input file.
Select file/s that you would like to convert by clicking the Open DVD ,Open IFO or Open VOB button. Change the output file name in the Output Name field by double clicking the output file name and entering a new one.
- Step 2:** Select "Custom MPEG1" in the Format box.
- Step 3:** [Set the MPEG Profiles](#) for output DVD.
- Step 4:** Select output file directory.
Click the Browse button to select a location for the output file.
- Step 5:** Click **Rip Now** to start ripping.

To rip your DVD to AVI (DivX, XVID,MP43,YUV, etc)

DVD Rip Master allows you to rip DVDs to different formats. DVD Rip Master is the best, fastest and easiest way to rip DVD files to different formats. Learn how to Rip DVDs To AVI (DivX, XVID,MP43,YUV, etc) here!

The screenshot shows the DVD Rip Master software interface. At the top, there are seven buttons: Open DVD, Open IFO, Open VOB, Remove, Setting, Help, and BuyNow. Below these is a table with columns for Output Name, IFO Name, Chapters, and Time. The table contains two rows: Title_0 and Title_1. Below the table are input and output settings. The input section includes Index, Audio, Angle, and SubTitle. The output section includes Format, Zoom, Output Folder, and Split. A Rip Now button is at the bottom left. Five red boxes highlight specific elements, each labeled with a step number: Step 1 (Open DVD, Open IFO, Open VOB buttons), Step 2 (Format dropdown menu), Step 3 (Configure button), Step 4 (Browse... button), and Step 5 (Rip Now button).

Output Name	IFO Name	Chapters	Time
<input checked="" type="checkbox"/> Title_0	D:\test\VT5_02_0.IFO	1	00:00:13
<input checked="" type="checkbox"/> Title_1	D:\test\VT5_03_0.IFO	1	00:00:16

Input

Index: [00] Length:00:00:16
Audio: None
Angle: 1
SubTitle: None

Output

Format: AVI (DivX, XVID, MP43, YUV,...)
Zoom: Full (16:9 or 4:3)
Output Folder: C:\Documents and Settings\Administrator\
Split: 80 Min VCD

Rip Now

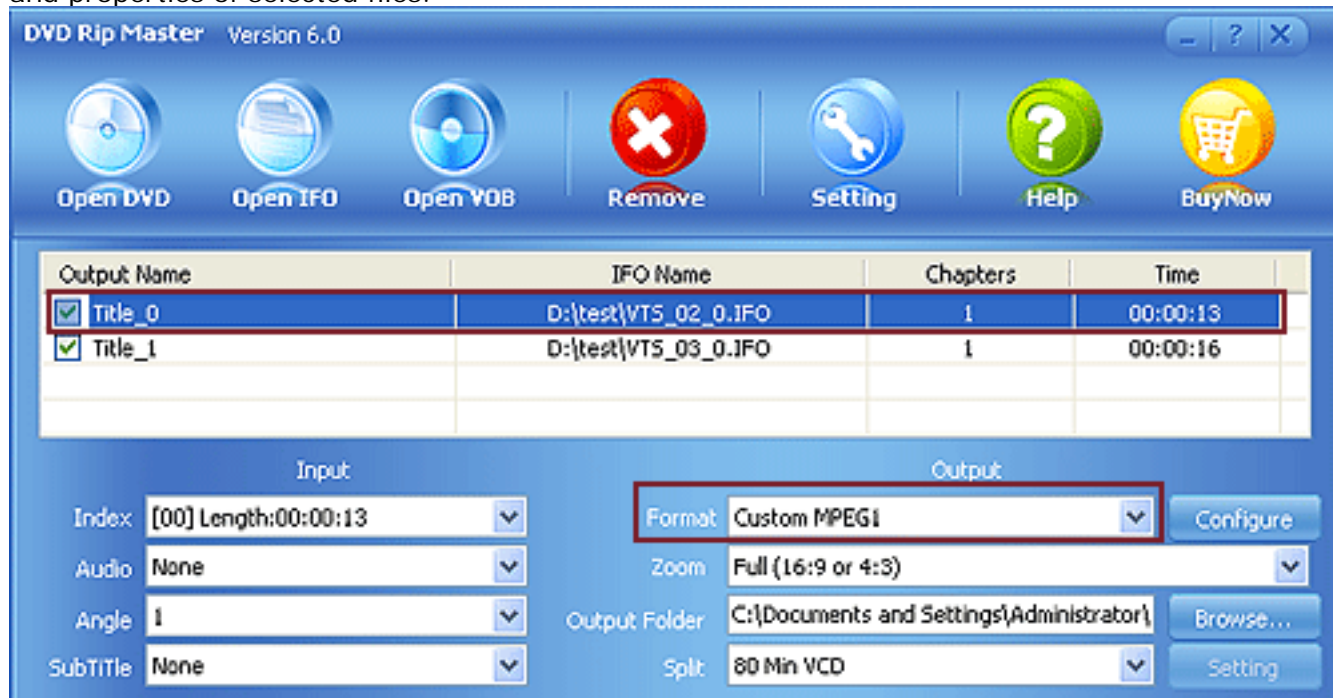
- Step 1:** Select input file.
Click the Open DVD ,Open IFO or Open VOB button to select the file you wish to convert.
- Step 2:** Select **AVI (DivX, XVID,MP43,YUV...)** in the Format box.
- Step 3:** Click the Configure button to [Set the AVI Profiles](#) for the output DVD.
- Step 4:** Select output file directory.
Click the Browse button to select a location for the output file to be saved in.
- Step 5:** Click **Rip Now!** to start Ripping.

How to rip various DVD files to different formats

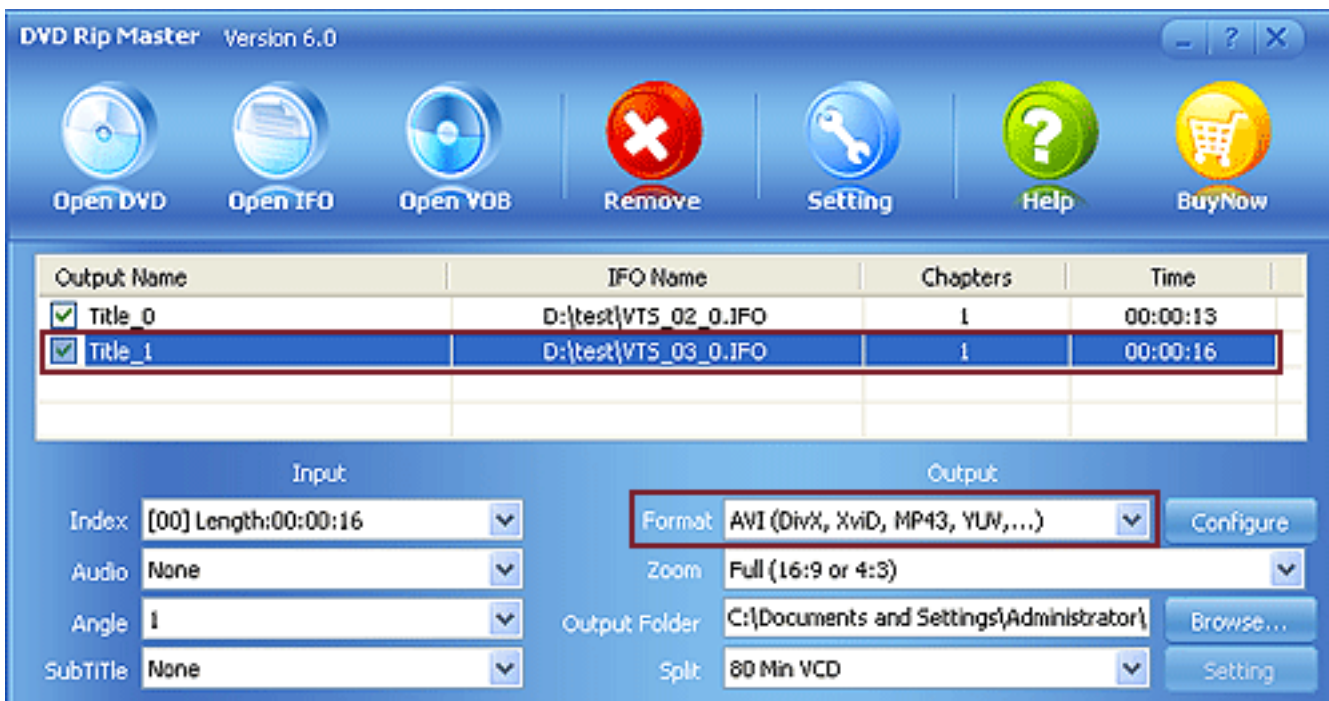
The DVD ripper supports batch files processing. Select the desired chapters or videos to be converted and rip them one by one or simultaneously!

Step 1: Select the input and output directory.

Step 2: Select an input file and an output format from the drop down list. Set the corresponding profile and properties of selected files.



Step 3: Select the second input file and output format from the drop down list. Set the corresponding profile and properties of selected files.



Step 4: Click **Rip Now!** to start ripping.

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Tech FAQs

- ▶ [What are the recommended operating system configurations for DVD Rip Master?](#)
- ▶ [What are the system requirements for DVD Rip Master?](#)
- ▶ [How can I get rid of the message in the middle of the finished movie?](#)
- ▶ [I lost my registration password and I want to reinstall DVD Rip Master. What should I do now?](#)
- ▶ [My computer DVD player handles my newly converted DVD files, but my home DVD player won't take them!](#)
- ▶ [I'm trying to find a video converter to convert wmv and/or mpg to asf, so that I can stream it with a Windows Media Server. Does your software do this?](#)
- ▶ [I've installed the latest version of DVD Rip Master. Do I have to register it again? How can I figure out if the registration is complete or not?](#)
- ▶ [Is there a user guide or manual available for this software?](#)
- ▶ [Does your product support Windows Media 9?](#)
- ▶ [What are audio and video codecs?](#)
- ▶ [What video formats are supported by DVD Rip Master?](#)
- ▶ [What is bitrate?](#)
- ▶ [What is frame rate?](#)
- ▶ [My Windows Media Player will not play my newly converted DVD file. What should I do?](#)
- ▶ [What can I do with DVD Rip Master?](#)
- ▶ [How to report bugs?](#)
- ▶ [How much is DVD Rip Master?](#)
- ▶ [What is VBR?](#)
- ▶ [What is Windows Media Format?](#)
- ▶ [Is Technical Support provided?](#)
- ▶ [How do I find out about new software updates?](#)
- ▶ [I changed my E-mail address. What should I do?](#)
- ▶ [Will I get a hardcopy \(CD\) for the software I purchased?](#)
- ▶ [How can I reinstall the program?](#)
- ▶ [How do I uninstall DVD Rip Master?](#)
- ▶ [Do you produce a version of DVD Rip Master for the Mac?](#)
- ▶ [Can you tell me more about downloading from your website?](#)
- ▶ [More...](#)

Purchase FAQs

- ▶ [Where can I get a registered version of the software or how can I register the software using the website provided?](#)
- ▶ [How do I buy?](#)
- ▶ [Is online ordering secure?](#)
- ▶ [I don't have a Credit Card. How can I order your products?](#)
- ▶ [Can I make a payment by check?](#)
- ▶ [How much is the latest version of DVD Rip Master for registered users of the previous one?](#)
- ▶ [How is the Trial version different from the Purchased version?](#)
- ▶ [What happens after I send in the order?](#)
- ▶ [Does your product support Windows Media 9?](#)
- ▶ [I purchased a copy of DVD Rip Master, and now I want to use it on another computer. What can I do?](#)
- ▶ [Can I purchase the software in a local store near where I live?](#)
- ▶ [More...](#)

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Other FAQs

- ▶ [The new way to buy software: What is ESD?](#)
- ▶ [What are the main advantages of ESD?](#)
- ▶ [How to buy: Step by step guide](#)
- ▶ [Payment Options](#)
- ▶ [Questions not covered by this document](#)

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How to

- ▶ [How to convert DVD files from one format to another with DVD Rip Master](#)
- ▶ [How to select input file or files](#)
- ▶ [How to change output file name and location?](#)
- ▶ [How to remove file/s](#)
- ▶ [How to create a DVD with no audio](#)

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DVD VCD SVCD Specification

DVD specification	SVCD specification	VCD specification
NTSC: Width: 352 Height: 240 Frames per second: 29.97 Color depth: 24 or 32 bits	NTSC: Width: 720 Height: 480 Frames per second: 29.97 Color depth: 24 or 32 bits	NTSC: Width: 480 Height: 480 Frames per second: 29.97 Color depth: 24 or 32 bits
PAL: Width: 352 Height: 288 Frames per second: 25 Color depth: 24 or 32 bits	PAL: Width: 720 Height: 576 Frames per second: 25 Color depth: 24 or 32 bits	PAL: Width: 480 Height: 576 Frames per second: 25 Color depth: 24 or 32 bits

The DVD sizes can be a bit confusing. There are basically 4 different DVD sizes:

DVD-5, holds around 4 700 000 000 bytes (4.37 computer GB where 1 kbyte is 1024 bytes*). DVD +R/DVD+RW and DVD-R/DVD-RW support this format. Also called Single Sided Single Layered. This is the most common DVD Media, often called 4.7 GB Media.

DVD-10, holds around 9 400 000 000 bytes (8.75 computer GB). DVD+R/DVD+RW and DVD-R/DVD-RW support this format. Also called Double Sided Single Layered.

DVD-9, holds around 8 540 000 000 bytes (7.95 computer GB). DVD+R supports this format. Also called Single Sided Dual Layered. This media is called DVD+R9, DVD+R DL or 8.5 GB Media.

DVD-18, holds around 17 080 000 000 bytes (15.9 computer GB). DVD+R supports this format. Also called Double Sided Dual Layered.

DVD+R/DVD+RW/DVD+R DL and DVD-R/DVD-RW exact sizes:

DVD-R/DVD-RW = 4 706 074 624 bytes (4488 MB)
 DVD+R/DVD+RW = 4 700 372 992 bytes (4482 MB)
 DVD+R DL = 8 547 993 600 bytes (8152 MB)

Folder	Files	Explanation
AUDIO_TS	(undefined)	DVD Audio
VIDEO_TS	VIDEO_TS.BUP	
	VIDEO_TS.IFO	The first video play item, IFO , usually a copyright notice or a menu
	VIDEO_TS.VOB	The first video play item, VOB
	VTS_01_0.BUP	

VTS_01_0.IFO	Title 01, IFO , usually the main movie
VTS_01_0.VOB	Title 01, VOB 0, the menu for this title
VTS_01_1.VOB	Title 01, VOB 1, the video for this title
VTS_01_2.VOB	Title 01, VOB 2 , if larger than 1 GB it will be split into several vobs
VTS_01_3.VOB	Title 01, VOB 3
VTS_01_4.VOB	Title 01, VOB 4 , up to 10(0-9) VOB files if necessary
VTS_02_0.BUP	
VTS_02_0.IFO	Title 02, IFO , usually movie extras
VTS_02_0.VOB	Title 02, VOB 0, the menu for this title
VTS_02_1.VOB	Title 02, VOB 1, the video for this title
VTS_xx_x.BUP	
VTS_xx_x.IFO	And so on
VTS_xx_x.VOB	
VTS_xx_x.VOB	
VTS_99_9.VOB	Up to 99(1-99) titles with max 10(0-9) VOB files each

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About McFunSoft

**Take the lead in multimedia;
Create a Colorful Life!**

As a shareware developer of multi-media authoring solutions, McFunSoft takes the lead. We have professional experience in the execution of our philosophy - Think Like a Customer. This gives us the ideas to create reliable and easy-to-use software products.

With the sleek, clear interfaces, McFunSoft R&D Center creates simple solutions to complicated problems.

Contact Us

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+1 952 646-5022 (for calls from outside the U.S.)

+1,800,406 4966 (for calls from inside the U.S.)

DVD Rip Master

Product ID: : 300081049



We will always do our best to answer your questions!

For Partners

North America:

sales@mcfunsoft.com

Europe:

ventes@mcfunsoft.com



We benefit with our partners in a win-win model, the McFunSoft Business Model, and we would love to discuss our creations with you.

McFunSoft

<http://www.mcfunsoft.com>

Appendix A Keyboard shortcuts

Key	Function
Ctrl + D	Open DVD file
Ctrl + I	Open .IFO file
Ctrl + O	Open .VOB file
Ctrl + C	Check input file
Shift + C	Check all input files
Ctrl + U	Uncheck input file
Shift + U	Uncheck all input files
Del	Remove file
Shift + Del	Remove all files
F2	Setting (main panel)
F1	Help

Appendix B DVD, VCD, and SVCD

DVD, VCD, and SVCD

There are several factors to consider in choosing an output format for your project. These include your desired output quality, target playback device, and viewing screen size, among others. Here are the advantages and disadvantages that picking each output format entails:



Digital Versatile Disc (DVD) is popular in video production because of its quality. Not only does it guarantee superb audio and video quality, it can also hold several times more data than VCDs and SVCDs. DVDs make use of the MPEG-2 format, which has a much bigger file size than MPEG-1, and can likewise be produced as single or dual-sided, and single or dual-layered. DVDs can be played on stand-alone DVD players or on the DVD-ROM drive of your PC.



Video Compact Disc (VCD) is a special version of a CD-ROM that uses the MPEG-1 format. The quality of the exported movie is almost the same, but usually better than VHS tape-based movies. A VCD can be played back on a CD-ROM drive, VCD player, and even on a DVD player.



Super Video CD (SVCD) is commonly described as an enhanced version of VCD. It is based on MPEG-2 technology with Variable Bit Rate (VBR) support. The typical running time of an SVCD is about 30-45 minutes. Although you could extend this to 70 minutes, you will have to compromise sound and image quality. SVCDs can be played back on stand-alone VCD/SVCD players, most DVD players, and all CD-ROM/

DVD-ROM with DVD/SVCD player software.

Appendix C Glossary

A

AVI

AVI is short for "Audio Video Interleave", the original Microsoft file format for Microsoft's Video for Windows standard. It is an audio video standard designed by Microsoft and is apparently proprietary and Microsoft Windows specific. It is a format developed for storing video and audio information. Files in this format have an .AVI extension. However, Video for Windows does not require any special hardware, making it the lowest common denominator for multimedia applications.

Video Compact Disc (VCD) is a special version of a CD-ROM that uses the MPEG-1 format. The quality of the exported movie is almost the same, but usually better than VHS tape-based movies. A VCD can be played back on a CD-ROM drive, VCD player, and even on a DVD player.

B

bandwidth

A network's capacity for transferring an amount of data in a given time.

bit rate

Bit rate is very often used when speaking of video or audio quality and file size -- it defines how much physical space one second of audio or video takes in bits (note: not in bytes). The higher the bit rate, the more times per second the original sound is sampled, thus yielding a more faithful reproduction and better sound. When choosing an MP3, weigh the advantage of a higher bit rate against the size of the file. Generally speaking, a bit rate of 128 kbps or higher will provide satisfactory sound quality. Constant Bit Rate (CBR) encoding maintains the same bit rate throughout an encoded file. Variable Bit Rate (VBR) is an MP3 encoding method that's used when file size is not an issue. Unfortunately, Video Convert Master decodes VBR but doesn't encode it. Selecting the proper bit rate for your projects depends on the playback target: if you're making a VCD for playback on a DVD player, the video must be exactly 1150 Kbps and the audio 224 Kbps.

C

codec

An abbreviation for compressor/decompressor. Software or hardware used to compress and decompress digital media.

compression

A process for removing redundant data from a digital media file or stream to reduce its size, or the bandwidth used.

D

DivX

DivX is the name given to a video codec (a piece of software used for encoding and decoding video) and is based on the MPEG-4 compression format. MPEG-4 is a new standard of video compression that is both high quality and low bit rate. DivXs are usually only a fraction (around 15%) of the size of a standard DVD, even at 640x480 resolutions, making them the best home video format thus far. They only take half the time to encode, and yet at the same time are smaller in size than MPEG-1 - due to the incredible compression technology. Some have even called MPEG-4 the "MP3 of the video world". Quality ranges from net-streaming quality to DVD and better.

F

frame

One of many sequential images that make up video.

frame rate

The number of video frames displayed per second. Higher frame rates generally produce smoother movement in the picture.

I

.IFO file

The .IFO (and backup .BUP) files contain menus and other information about the video and audio.

M

MPEG

Gives excellent compression with little loss in quality of the video. MPEG support three types of data - video, audio and streaming. There are a number of standards: among them there are two flavors of MPEG available today.

MPEG-1

MPEG-1 was designed to provide VHS video quality and CD audio quality at a combined data rate of 150 kilobytes per second. MPEG-1 is displayed at 30 frames per second in a frame that is 352x240 (horizontal x vertical) pixels in size. This allows relatively high quality video images to be stored in relatively small file sizes for playback across computer networks or CD-ROM delivery.

MPEG-2

MPEG-2 is the other side of the compression coin. It is a broadcast standard specifying a playback size of 720 x 480 pixels at 60 fields per second. Data rates can range from 2 to 10 megabits per second. This means large file sizes and data rates that require specialized hardware for playback. MPEG-2 is one of the core compression technologies for DVD. See the MPEG site for more information.

S

SVCD


























SVCD (Super Video CD) is a great method of saving DVD movies to CD without losing much quality. SVCD discs can be played in your DVD player.








































































































Y



















YUV

YUV is the color space used in the PAL system of television broadcasting, which is the standard in most of Europe and some other locations. Y stands for the luminance component (the brightness) and U and V are the chrominance (color) components. The YCbCr or YPbPr color space, used in computer component video, is derived from it (Cb/Pb and Cr/Pr are simply scaled versions of U and V), and is sometimes inaccurately called "YUV".

Appendix D: Country Code for TV Tuner

ac	Ascension Island  247	id	Indonesia (UN) 62	na	Namibia (formerly South-West Africa) (UN) 264	tc	Turks and Caicos Islands  1649
ad	Andorra (UN) 376	ie	Ireland (Eire) (UN) 353	nc	New Caledonia  687	td	Tchad (Chad) (UN) 235
ae	United Arab Emirates (formerly Trucial Coast) (UN) 971	il	Israel (formerly Palestine) (ancient Canaan) (UN) 972	ne	Niger (UN) 227	tf	French Southern Territories 
af	Afghanistan (UN) 93	im	Isle of Man  44	ng	Nigeria (UN) 234	tg	Togo (formerly French Togoland) (UN) 228
ag	Antigua and Barbuda  (UN) 1268	in	India (UN) 91	nl	Nicaragua (UN) 505	th	Thailand (ancient Siam) (UN) 66
ai	Anguilla  1264	io	Indian Ocean Territory, British (Chagos Islands)  246	no	Netherlands (formerly Holland) (UN) 31	tj	Tajikistan  (UN) 992
al	Albania (UN) 355	iq	Iraq (ancient Mesopotamia) (UN) 964	np	Netherlands (Antilles (part of NL) 599	tk	Tokelau  690
am	Armenia (Hayastan)  (UN) 374	ir	Iran (ancient Persia) (UN) 98	nr	Netherlands (Northern Mariana Islands)  1670	tm	Turkmenistan  (UN) 993
an	Netherlands (Antilles (part of NL) 599	is	Iceland (UN) 354	nt	Neutral Zone (IQ and SA border)	tn	Tunisia (UN) 216
ao	Angola (UN) 244	it	Italy (ancient center of Roman Empire) (UN) 39	nu	Niue  683	to	Tonga (UN) 676
aq	Antarctica 672	jm	Jamaica  (UN) 1876	nz	New Zealand  (UN) 64	tp	East Timor (disputed by ID) 670
ar	Argentina (UN) 54	jo	Jordan (formerly Transjordan) (UN) 962	an	Netherlands (Antilles (part of NL) 599	tr	Turkey (once center of Ottoman Empire) (ancient Anatolia) (UN) 90
as	American Samoa  684	jp	Japan (Nippon) (UN) 81	mp	Northern Mariana Islands  1670	tt	Trinidad and Tobago (UN) 1868
at	Austria (UN) 43	je	Jersey (Channel Island)  44	om	Oman (formerly Muscat and Oman) (UN) 968	tv	Tuvalu (formerly Ellice Islands) (UN) 688
au	Australia  (UN) 61	kg	Kazakhstan (UN) 249	pa	Panama (UN) 507	tw	Taiwan (disputed by CN) 886
aw	Aruba (seceded from NL) 297	ke	Kenya (UN) 254	pc	Pacific Islands Trust Territory (now FM, MH, GU, PW)	tz	Tanzania (formerly Tanganyika and Zanzibar) (UN) 255,259
az	Azerbaijan  (UN) 994	kw	Kuwait (UN) 251	pe	Peru (UN) 51		
dz	Algeria (UN) 213	ky	Kyrgyzstan (UN) 255	pf	Polynesia, French  (formerly Oceania) 689		
		la	Laos (UN) 253	pg	Papua New Guinea  (UN) 675		
		lv	Latvia (UN) 252	ph	Philippines (UN) 63		
		li	Liechtenstein (UN) 256	pk	Pakistan (once part of India) (UN) 92		
		lk	Sri Lanka (UN) 257	pl	Poland (UN) 48		
		lr	Liberia (UN) 258	pm	Saint Pierre and Miquelon 508		
		lt	Lithuania (UN) 259	pn	Pitcairn Island  872		
		lu	Luxembourg (UN) 254	pr	Puerto Rico  1787		
		lv	Latvia (UN) 252				
		ly	Libya (UN) 255				
		ma	Morocco (UN) 253				
		mc	Monaco (UN) 251				
		md	Moldova (UN) 259				
		me	Montenegro (UN) 257				
		mf	Myanmar (UN) 251				
		mg	Madagascar (UN) 254				
		mh	Marshall Islands (UN) 256				
		mi	Maldives (UN) 252				
		mk	Macedonia (UN) 253				
		ml	Mali (UN) 254				
		mm	Myanmar (UN) 251				
		mn	Mongolia (UN) 253				
		mo	Montenegro (UN) 257				
		mp	Morocco (UN) 253				
		mq	Madagascar (UN) 254				
		mr	Morocco (UN) 253				
		ms	Maldives (UN) 252				
		mt	Malta (UN) 251				
		mu	Mauritius (UN) 254				
		mv	Maldives (UN) 252				
		mw	Malawi (UN) 254				
		mx	Mexico (UN) 254				
		my	Myanmar (UN) 251				
		mz	Mozambique (UN) 254				
		na	Namibia (UN) 264				
		nc	New Caledonia (UN) 687				
		nd	Norway (UN) 47				
		ne	Niger (UN) 227				
		nf	Norfolk Island (UN) 672				
		ng	Nigeria (UN) 234				
		ni	Nicaragua (UN) 505				
		nl	Netherlands (UN) 31				
		no	Norway (UN) 47				
		np	Nepal (UN) 977				
		nr	Nauru (UN) 674				
		nt	Neutral Zone (IQ and SA border)				
		nu	Niue (UN) 683				
		nz	New Zealand (UN) 64				
		om	Oman (UN) 968				
		on	Ontario (Canada) 253				
		or	Oregon (USA) 253				
		os	Oman (UN) 968				
		ot	Oman (UN) 968				
		ou	Oman (UN) 968				
		ov	Oman (UN) 968				
		ow	Oman (UN) 968				
		ox	Oman (UN) 968				
		oy	Oman (UN) 968				
		oz	Oman (UN) 968				
		pa	Panama (UN) 507				
		pb	Panama (UN) 507				
		pc	Panama (UN) 507				
		pd	Panama (UN) 507				
		pe	Peru (UN) 51				
		pf	Peru (UN) 51				
		pg	Papua New Guinea (UN) 675				
		ph	Philippines (UN) 63				
		pi	Pakistan (UN) 92				
		pl	Poland (UN) 48				
		pm	Saint Pierre and Miquelon 508				
		pn	Pitcairn Island 872				
		po	Puerto Rico 1787				
		pp	Puerto Rico 1787				
		pr	Puerto Rico 1787				
		ps	Palestine (UN) 253				
		pt	Portugal (UN) 253				
		pu	Puerto Rico 1787				
		pv	Puerto Rico 1787				
		pw	Puerto Rico 1787				
		px	Puerto Rico 1787				
		py	Puerto Rico 1787				
		pz	Puerto Rico 1787				
		qa	Qatar (UN) 254				
		qb	Qatar (UN) 254				
		qc	Qatar (UN) 254				
		qd	Qatar (UN) 254				
		qe	Qatar (UN) 254				
		qf	Qatar (UN) 254				
		qg	Qatar (UN) 254				
		qh	Qatar (UN) 254				
		qi	Qatar (UN) 254				
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		qk	Qatar (UN) 254				
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		qm	Qatar (UN) 254				
		qn	Qatar (UN) 254				
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		qv	Qatar (UN) 254				
		qw	Qatar (UN) 254				
		qx	Qatar (UN) 254				
		qy	Qatar (UN) 254				
		qz	Qatar (UN) 254				
		ra	Romania (UN) 253				
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		rx	Romania (UN) 253				
		ry	Romania (UN) 253				
		rz	Romania (UN) 253				
		sa	Saudi Arabia (UN) 254				
		sb	Saudi Arabia (UN) 254				
		sc	Saudi Arabia (UN) 254				
		sd	Saudi Arabia (UN) 254				
		se	Sweden (UN) 254				
		sf	Sweden (UN) 254				
		sg	Singapore (UN) 254				
		sh	St. Helena (UN) 254				
		si	Slovenia (UN) 253				
		sj	Slovenia (UN) 253				
		sk	Slovakia (UN) 253				
		sl	Slovenia (UN) 253				
		sm	San Marino (UN) 254				
		sn	Senegal (UN) 254				
		so	Somalia (UN) 254				
		sp	Spain (UN) 254				
		sq	Albania (UN) 355				
		sr	Sri Lanka (UN) 253				
		ss	Sudan (UN) 254				
		st	St. Vincent and the Grenadines (UN) 254				
		su	Sudan (UN) 254				
		sv	El Salvador (UN) 503				
		sw	Switzerland (UN) 256				
		sx	Sri Lanka (UN) 253				
		sy	Syria (UN) 254				
		sz	Swaziland (UN) 254				
		ta	Taiwan (UN) 886				
		tb	Tanzania (UN) 886				
		tc	Turks and Caicos Islands (UN) 1649				
		td					

ba	Bosnia and Herzegovina  (UN) 387	fi	Finland (UN) 358	ke	Kenya (UN) 254	ps	Palestinian Territories (West Bank, Gaza Strip) (disputed by IL) 970	ua	Ukraine  (UN) 380
bb	Barbados  (UN) 1246	fj	Fiji (UN) 679	kg	Kyrgyzstan  (UN) 996	pt	Portugal (UN) 351	ug	Uganda (UN) 256
bd	Bangladesh (formerly East Pakistan)  (UN) 880	fk	Falkland Islands (formerly Malvinas) 500	kh	Kampuchea (now Cambodia) (UN) 855	pw	Palau (UN) 680	uk	United Kingdom (Great Britain and Northern Ireland) (UN) 44
be	Belgium (UN) 32	fm	Federated States of Micronesia (Caroline Islands) (UN) 691	ki	Kiribati (UN) 686	py	Paraguay (UN) 595	us	US Minor Outlying Islands (Midway, Wake, etc.) 808
bf	Burkina Faso (formerly Upper Volta) (UN) 226	fo	Faroe Islands  298	kn	Comoros (UN) 269	qa	Qatar (UN) 974	uy	United States (UN) 1
bg	Bulgaria (UN) 359	fr	France (UN) 33	km	Saint Kitts and Nevis (UN) 1869	re	Réunion Island  262	uz	Uzbekistan  (UN) 998
bh	Bahrain (once Dilmun) (UN) 973	fx	France, Metropolitan (i.e. European) 33	kp	Korea, North (Democratic People's Republic of) (UN) 850	ro	Romania (UN) 40	uz	US Virgin Islands 1340
bi	Burundi (formerly part of Ruanda-Urundi, formerly German East Africa) (UN) 257	gf	French Guiana  594	kr	Korea, South (Republic of) (UN) 82	ru	Russia  (UN) 7	vi	USSR (Soviet Union, now 15 separate republics) 7
bj	Benin (UN) 229	pf	French Polynesia  689	kw	Kuwait (UN) 965	rw	Rwanda (formerly part of Ruanda-Urundi, German East Africa) (UN) 250	vn	Vietnam (formerly North and South Vietnam) (UN) 84
bm	Bermuda  1441	tf	French Southern Territories  689	ky	Cayman Islands  1345	sa	Saudi Arabia (UN) 966	vy	Vatican City State (Holy See) 379
bn	Brunei Darussalam (UN) 673	ga	Gabon (UN) 241	kz	Kazakhstan  (UN) 7	sb	Solomon Islands  (UN) 677	wa	Saint Vincent and The Grenadines  (UN) 1784
bo	Bolivia (UN) 591	gb	Great Britain (ISO3166 only) 44	la	Laos (UN) 856	sc	Seychelles (UN) 248	vc	Venezuela (UN) 58
br	Brazil (UN) 55	gd	Grenada  (UN) 1473	lb	Lebanon (UN) 961	sd	Sudan (UN) 249	ve	Virgin Islands, British  1284
bs	Bahamas  (UN) 1242	ge	Georgia  (UN) 995	lc	Liechtenstein (UN) 41	se	Sweden (UN) 46	vg	Virgin Islands, US  1340
bt	Bhutan (UN) 975	gg	Guernsey (Channel Island)  44	li	Lithuania  (UN) 370	sg	Singapore (UN) 65	vi	Viet Nam (formerly North and South Vietnam) (UN) 84
bv	Bouvet Island  1441	gh	Ghana (UN) 233	lk	Luxembourg (UN) 352	sh	Saint Helena  290	vn	Vietnam (formerly North and South Vietnam) (UN) 84
bw	Botswana (formerly Bechuanaland)  (UN) 267	gi	Gibraltar  350	lv	Latvia  (UN) 371	si	Slovenia  (UN) 386	vy	Vietnam (formerly North and South Vietnam) (UN) 84
by	Belarus  (once White Russia) (UN) 375	gl	Greenland  299	ly	Libya (UN) 218	sj	Svalbard and Jan Mayen Islands 79	vy	Vietnam (formerly North and South Vietnam) (UN) 84
bz	Belize (formerly British Honduras)  (UN) 501	gm	Gambia, The (UN) 220	la	Laos (UN) 856	sk	Slovakia (formerly part of CS) (UN) 421	vy	Vietnam (formerly North and South Vietnam) (UN) 84
io	British Indian Ocean Territory (Chagos Islands)  246	gn	Guinea (formerly French Guinea) (UN) 224	lb	Lebanon (UN) 961	sl	Sierra Leone (UN) 232	vy	Vietnam (formerly North and South Vietnam) (UN) 84
vg	British Virgin Islands  1284	gp	Guadeloupe  590	lc	Liechtenstein (UN) 41	sm	San Marino (UN) 378	vy	Vietnam (formerly North and South Vietnam) (UN) 84
		gq	Guinea, Equatorial (formerly Spanish Guinea) (UN) 240	li	Lithuania  (UN) 370	sn	Senegal (UN) 221	vy	Vietnam (formerly North and South Vietnam) (UN) 84
		gr	Greece (UN) 30	lk	Luxembourg (UN) 352	so	Somalia (UN) 252	vy	Vietnam (formerly North and South Vietnam) (UN) 84
				lv	Latvia  (UN) 371	sr	Suriname (UN) 597	vy	Vietnam (formerly North and South Vietnam) (UN) 84
				ly	Libya (UN) 218	st	Saint Pierre and Miquelon 508	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						sv	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						sz	Saint Lucia  (UN) 1758	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						tc	Saint Pierre and Miquelon 508	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						td	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						tf	Saint Pierre and Miquelon 508	vy	Vietnam (formerly North and South Vietnam) (UN) 84
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						tm	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						tn	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						to	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						tp	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						tr	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						tt	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						tv	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						tw	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						tz	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						ua	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
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						um	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						un	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
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						us	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						ut	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						uu	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						uv	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						uw	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						ux	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						uy	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						uz	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						va	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
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						vc	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
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						ve	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						vf	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						vg	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						vh	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						vi	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						vj	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						vk	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
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						vq	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						vr	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						vs	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
						vt	Saint Vincent and Nevis  (UN) 1869	vy	Vietnam (formerly North and South Vietnam) (UN) 84
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