

Fox DVD Ripper

FoxEasy Corporation
<http://www.foxeasy.com>

Pages Order:

Introduction.....	Pages 3
General Information.....	Pages 4-7
Getting Started.....	Pages 8-12
Set Profile.....	Pages 13-21
Step by Step.....	Pages 22-25
FAQ & How to.....	Pages 26-31
About Foxeasy.....	Pages 32
Appendix.....	Pages 33-36

Introduction



Fox DVD Ripper 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!

Fox DVD Ripper is a professional DVD 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 the easy-to-use interface, you can also convert VOB and IFO files into these file formats.

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

We 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 Fox DVD Ripper?



All in one tool

Fox DVD Ripper supports a wide range of formats: AVI , MPEG1, MPEG2, etc.
ii



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.



Save money

With the ability to convert a wide range of formats, Fox DVD Ripper is **your one-way ticket** to video conversion. Free update (Major Update Not Included).

Yours for only €39.95!

Buy Now

What you will have after purchasing this product:

Full version of Fox DVD Ripper

The possibilities of the full version of Fox DVD Ripper 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 FoxEasy.

Free update (Major Update Not Included)

More Discounts

Great benefits for our customers, such as coupons for other products from FoxEasy. 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 Fox DVD Ripper

- [Why Fox DVD Ripper?](#)
- [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 €39.95 ! After a few simple purchase steps, you will have Fox DVD Ripper with all the functions, free update (Major Update Not Included) and powerful service!

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

Buy Now

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 our [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 after several hours, feel free to contact our [Support Team](#) via email.

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

Why Fox DVD Ripper?

➤ Save time

- It is outstanding both in **speed** and **visual quality**.
- The **easy-to-use interface** helps you catch onto the system quickly.

➤ 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 Fox DVD Ripper does it all.

➤ Easy-to-use

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

Buy Now

What will you have after purchase?

- **Full version of Fox DVD Ripper**
Fun with unlimited functions and video converting.
- **Free update (Major Update Not Included)**
- **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 FoxEasy products in Discount Center**

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

Buy Now

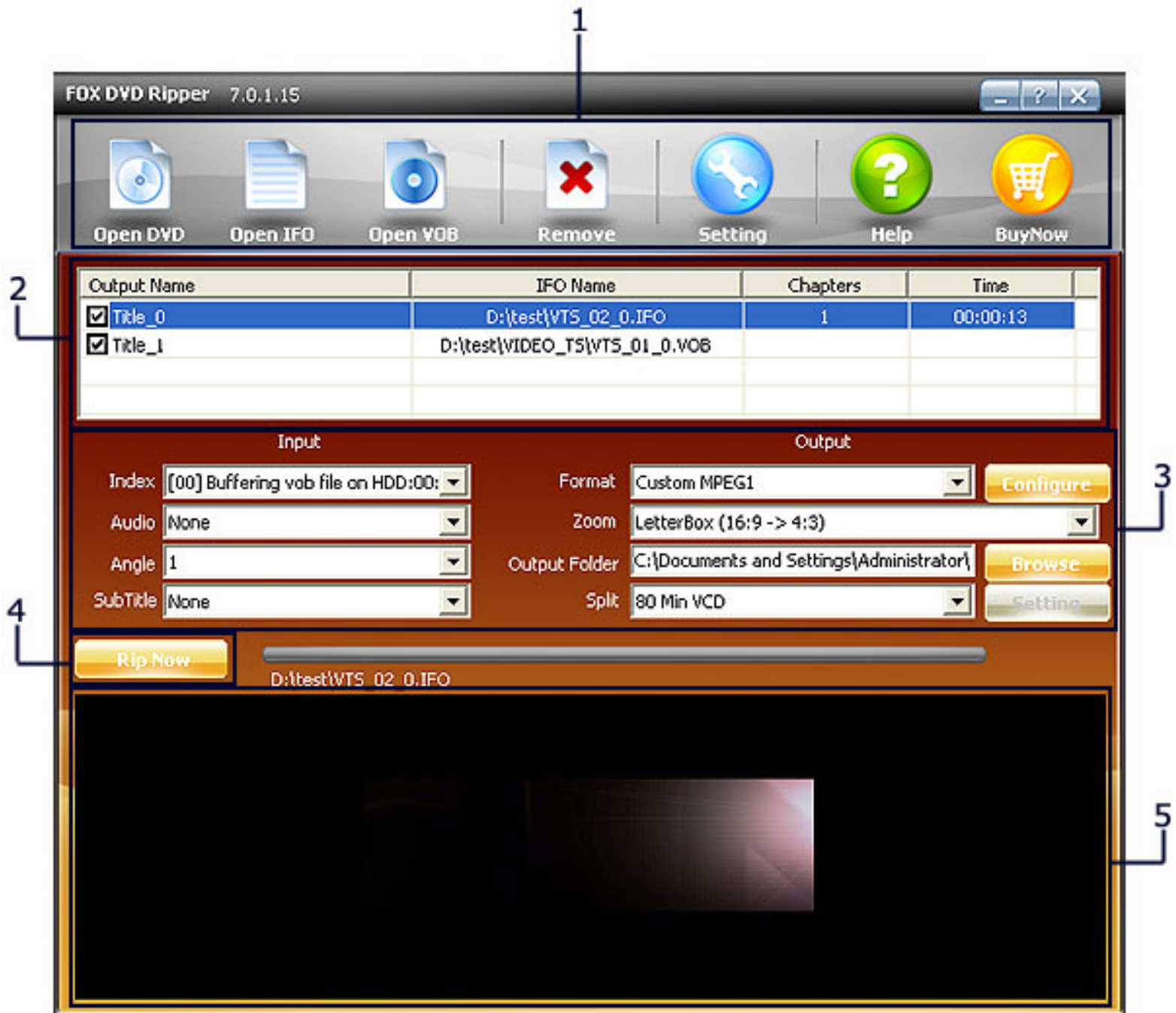
Is my order secure?

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

FoxEasy 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 FoxEasy is our top priority! FoxEasy 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

Contains buttons that correspond to the main functions.

2. Show Window

Display information from '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

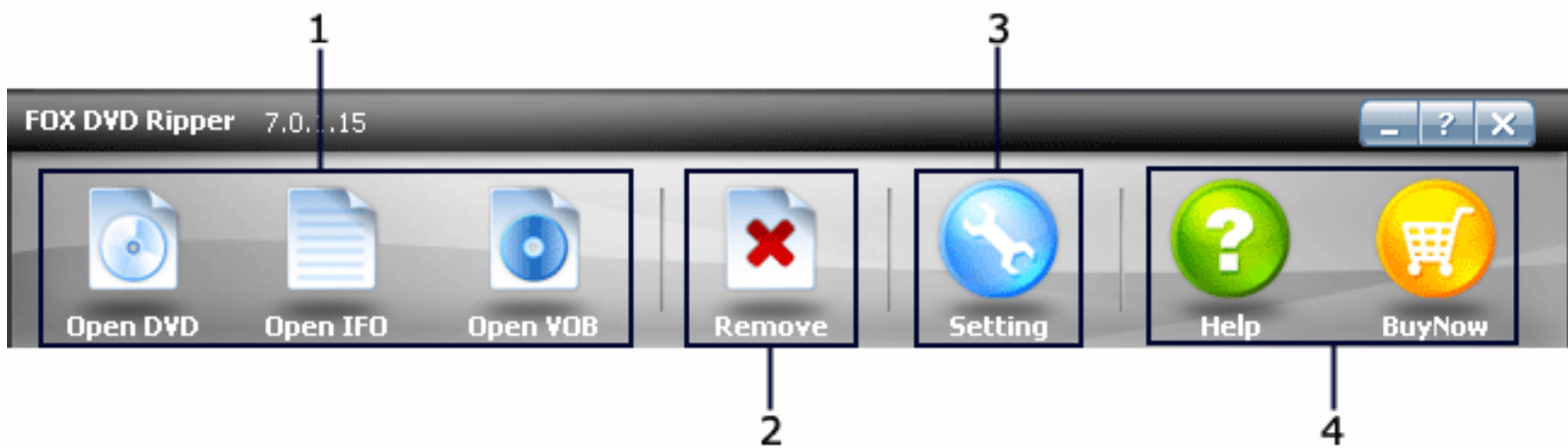
Starts DVD conversion after confirming Input, Output and Convert Formats.

5.Preview Window

Live preview during ripping.

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Main Panel



1. Formats Button

Select the "**Open DVD**" button to open .IFO and .VOB files.

Click the "**Open IFO**" button to open .IFO files only.

Click the "**Open VOB**" button to 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 file in the task list or right-click a selected file to delete it.

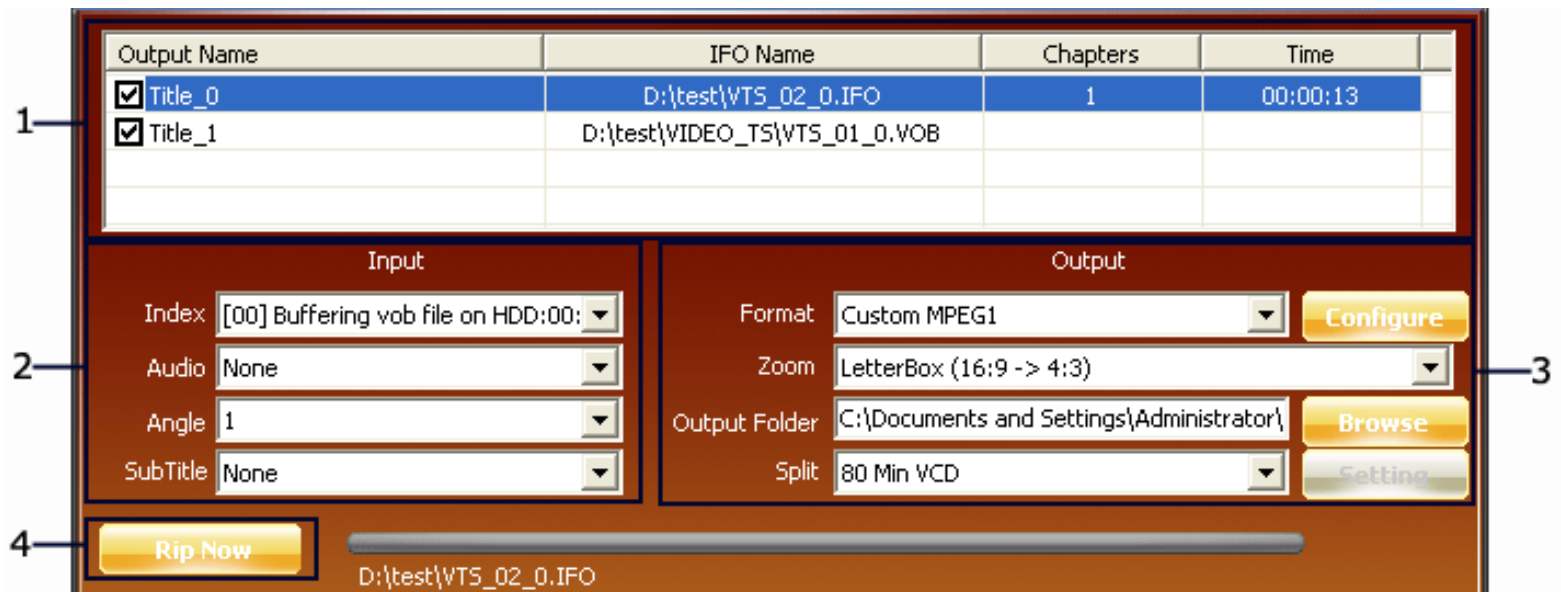
3. Setting Button

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 Fox DVD Ripper.

Edit Buttons & Show Window



The Show Window displays the editing results.

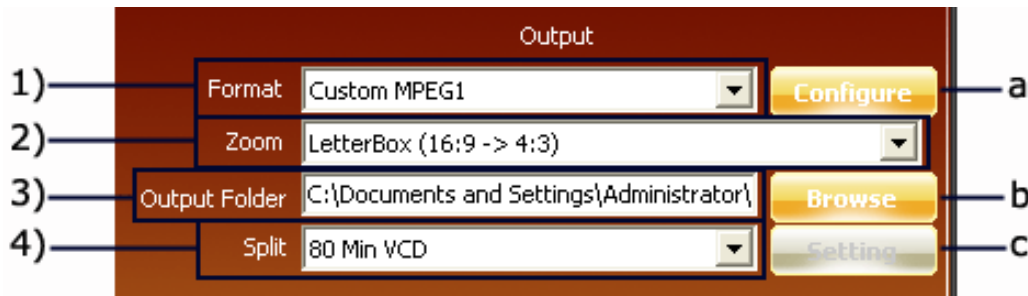
1: Displays the output name, IFO Name, Chapters, and Time.

2: Displays the input file's information .

3: Displays the output file's information and edit buttons.

4: Click "Rip Now" after confirming Input, Output and Convert Formats to begin Ripping process.

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), etc.

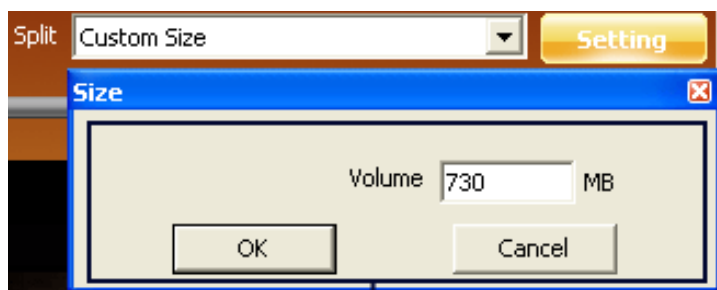
a) **Configure**: Customize output settings. You can output your file here.

b) **Browse**: Select the Output Directory. One or all output videos will be directed to this folder. You can check the selected result from the 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.



choose other options



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

Set Profile

Set Profile is a tool used to set several parameters of your output files. If you need a professional video output, customize the output settings in "profile editor". Using the default settings is highly recommended.

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.

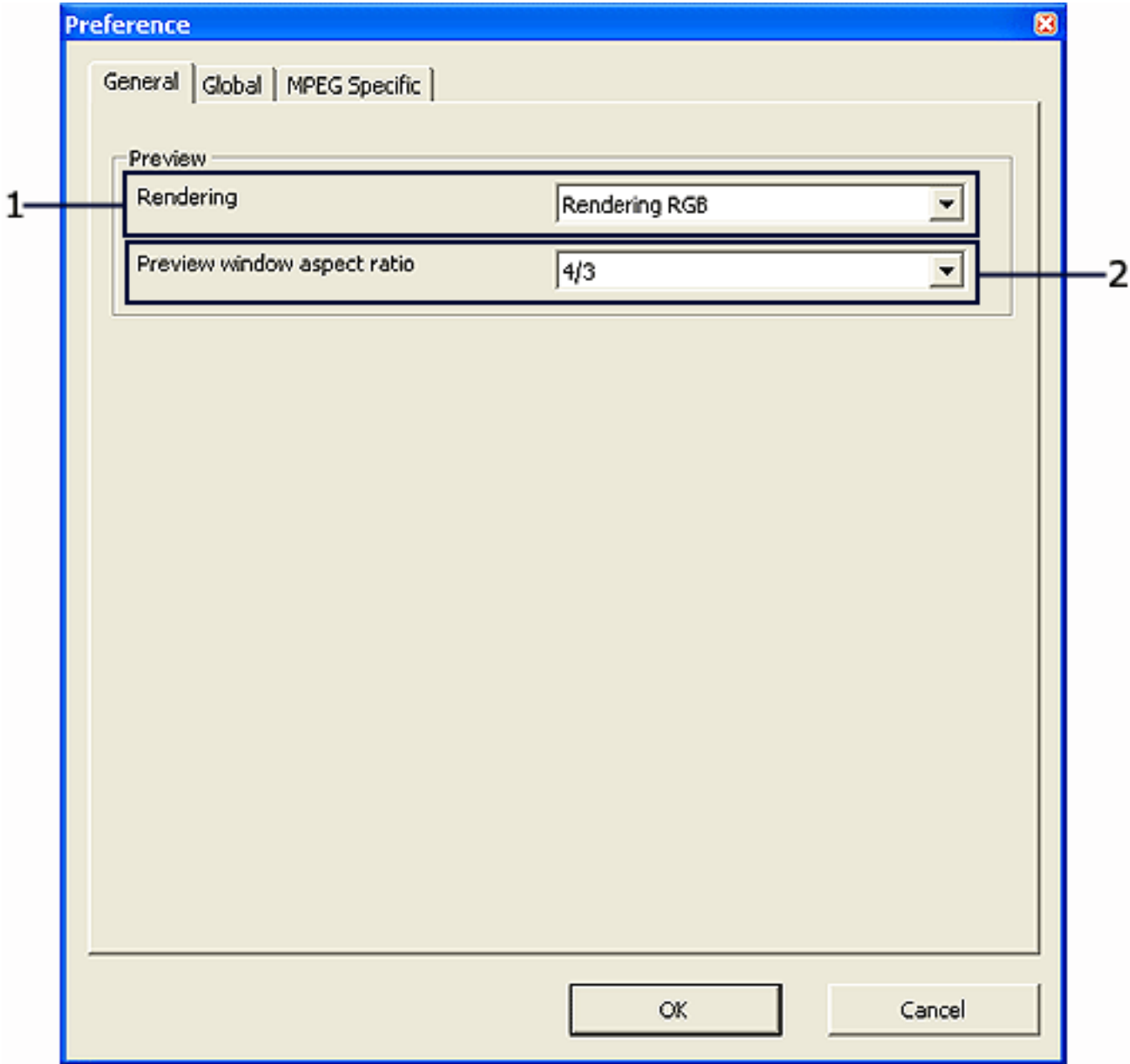
MPEG-2 is not a successor to MPEG-1, but rather an addition - both of these formats have their own purposes. MPEG-1 is a relatively low-resolution format currently used in VCD and the World Wide Web for short animated files. The MPEG-2 is a much higher resolution format developed for digital television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



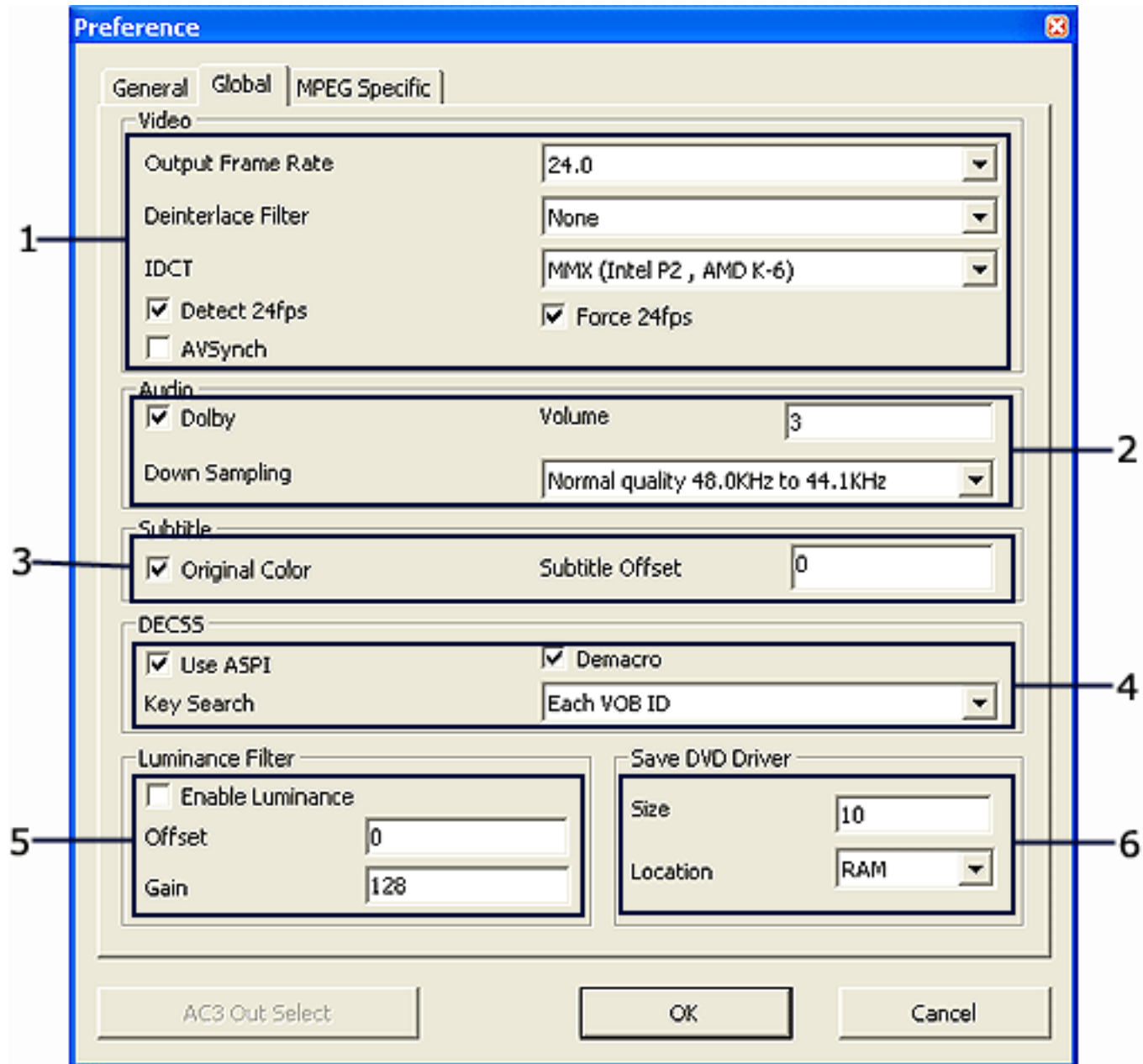
1. Rendering

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

2. Preview Window Aspect Ration

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 "DeMacroVision."

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

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

5.Luminance Filter

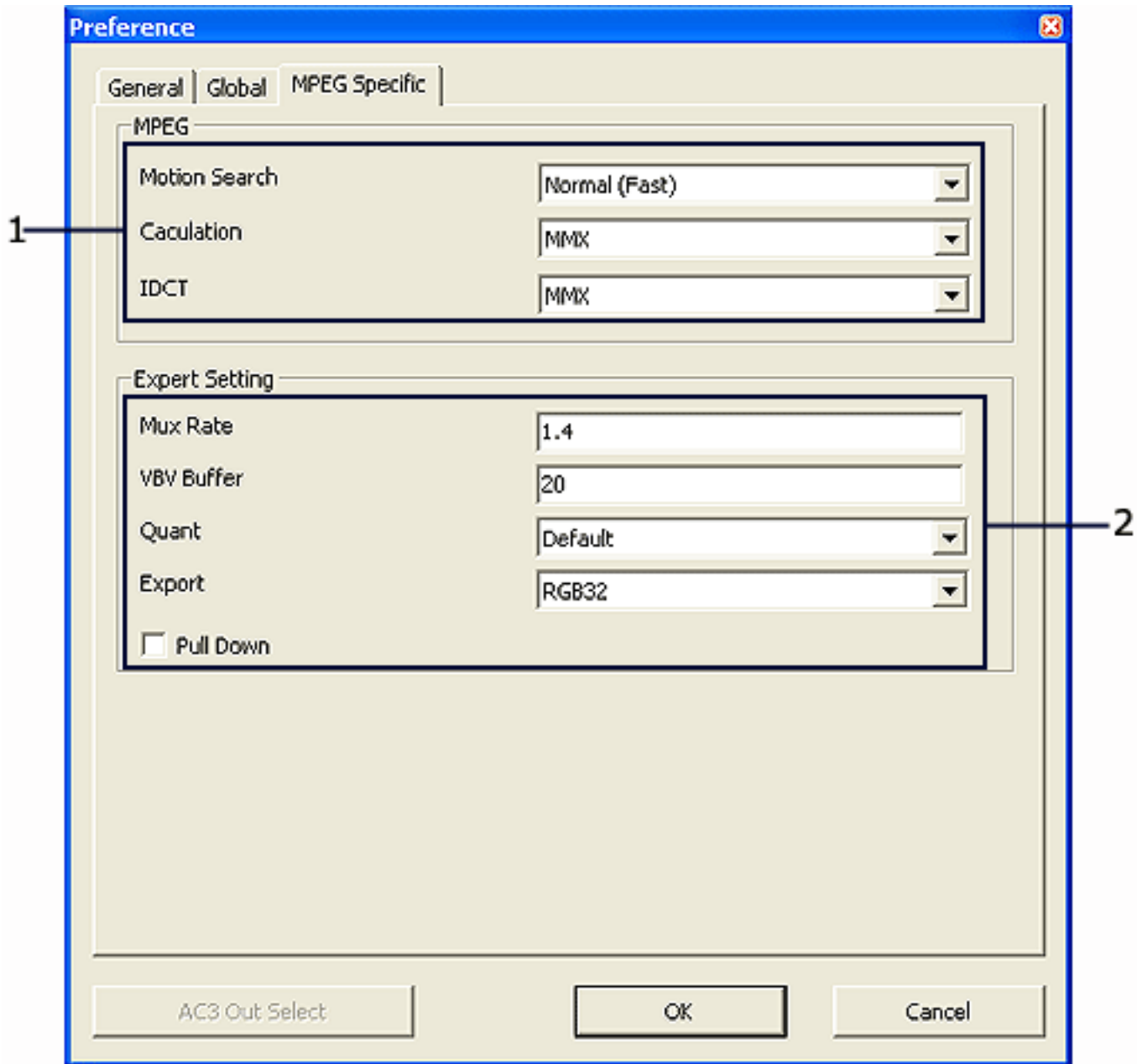
The higher figure you set in Gain, the higher luminance will be.

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

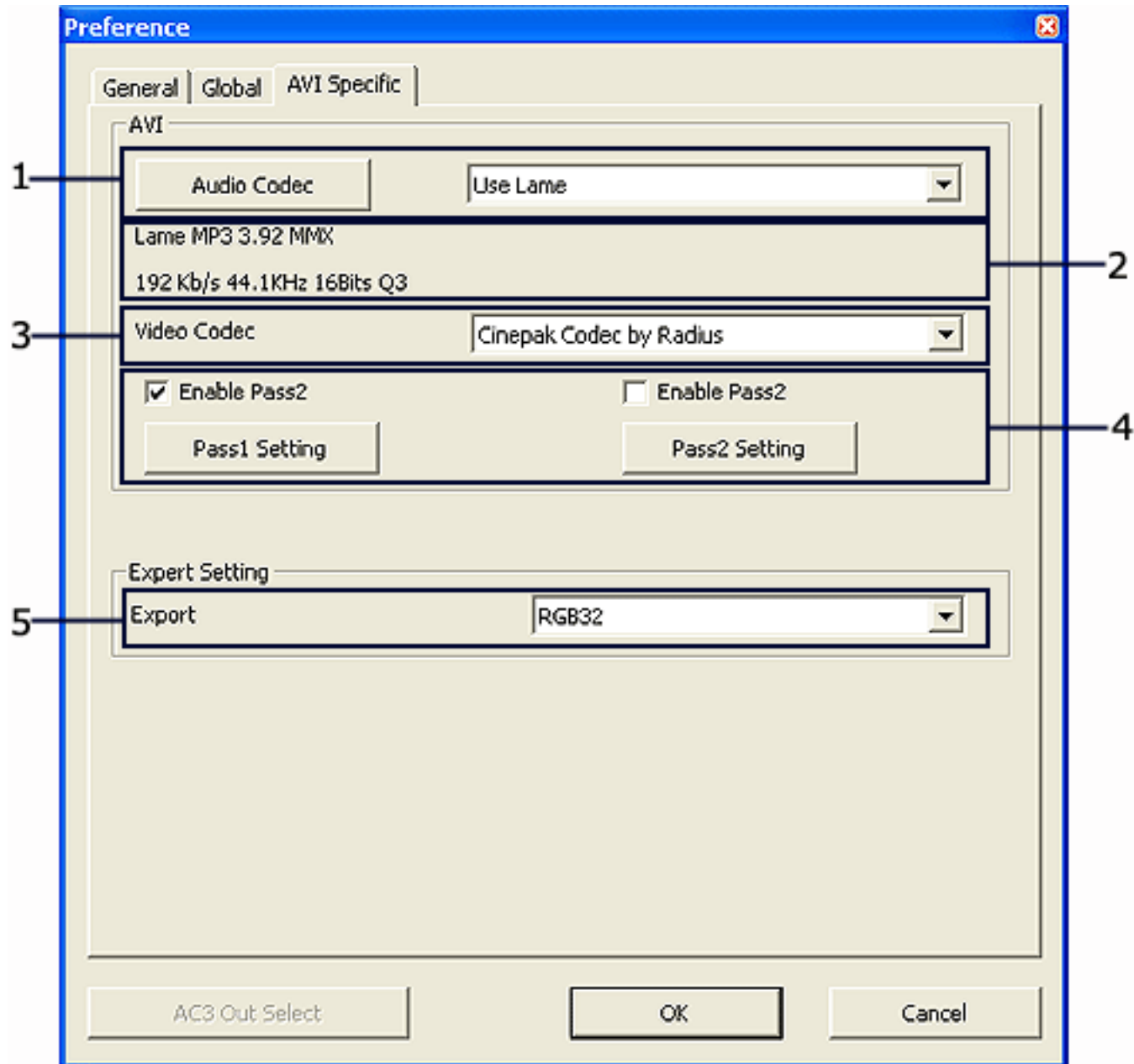
IDCT is an acronym for Inverse Discrete Cosine Transform, a transformation step commonly used in software that works with different multimedia formats such as MP3, Vorbis, MPEG or JPEG.

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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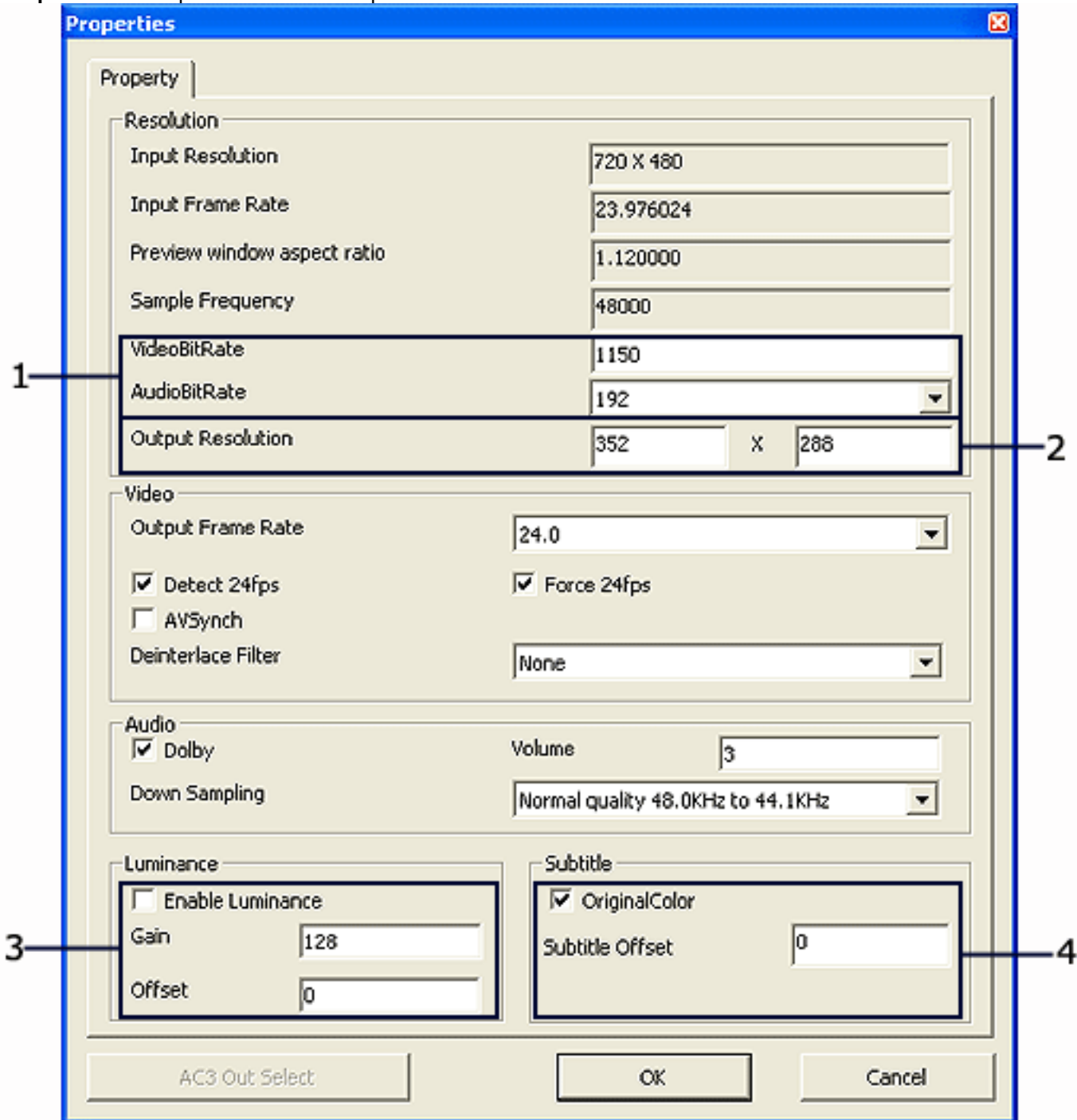
AVI Specific Window



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

Properties sets parameters of output files.



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.

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How to rip your DVD to MPEG

Fox DVD Ripper 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 FOX DVD Ripper 7.0.1.15 application window. The interface includes a toolbar at the top 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 rows: 'Title_0' with IFO 'D:\test\VTS_02_0.IFO' and 'Title_1' with IFO 'D:\test\VIDEO_TS\VTS_01_0.VOB'. Below the table are input and output settings. The 'Input' section has dropdowns for 'Index' (set to '[00] Buffering vob file on HDD:00:'), 'Audio' (set to 'None'), 'Angle' (set to '1'), and 'SubTitle' (set to 'None'). The 'Output' section has dropdowns for 'Format' (set to 'Custom MPEG1'), 'Zoom' (set to 'LetterBox (16:9 -> 4:3)'), 'Output Folder' (set to 'C:\Documents and Settings\Administrator\'), and 'Split' (set to '80 Min VCD'). There are 'Configure', 'Browse', and 'Setting' buttons next to these dropdowns. At the bottom left is a 'Rip Now' button. A progress bar and a video preview window are at the bottom. Five steps are highlighted with numbered labels: Step 1 points to the 'Open DVD', 'Open IFO', and 'Open VOB' buttons; Step 2 points to the 'Output Name' column in the table; Step 3 points to the 'Format' dropdown; Step 4 points to the 'Browse' button; and Step 5 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)

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

The screenshot shows the FOX DVD Ripper 7.0.1.15 interface. Five steps are highlighted with numbered arrows:

- Step 1:** Points to the 'Open DVD', 'Open IFO', and 'Open VOB' buttons in the top toolbar.
- Step 2:** Points to the 'Format' dropdown menu, which is set to 'AVI (DivX, Xvid, MP43, YUV,...)'.
- Step 3:** Points to the 'Configure' button next to the format dropdown.
- Step 4:** Points to the 'Browse' button next to the 'Output Folder' field.
- Step 5:** Points to the 'Rip Now' button at the bottom left.

The interface also includes a table for selecting titles to rip:

Output Name	IFO Name	Chapters	Time
☒ Title_0	D:\test\WTS_02_0.IFO	1	00:00:13
☒ Title_1	D:\test\VIDEO_TS\WTS_01_0.VOB		

Below the table, there are input and output settings:

- Input:** Index ([00] Buffering vob file on HDD:00:), Audio (None), Angle (1), SubTitle (None).
- Output:** Format (AVI (DivX, Xvid, MP43, YUV,...)), Zoom (LetterBox (16:9 -> 4:3)), Output Folder (C:\Documents and Settings\Administrator\), Split (80 Min VCD).

Buttons for 'Configure', 'Browse', and 'Setting' are also present.

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.

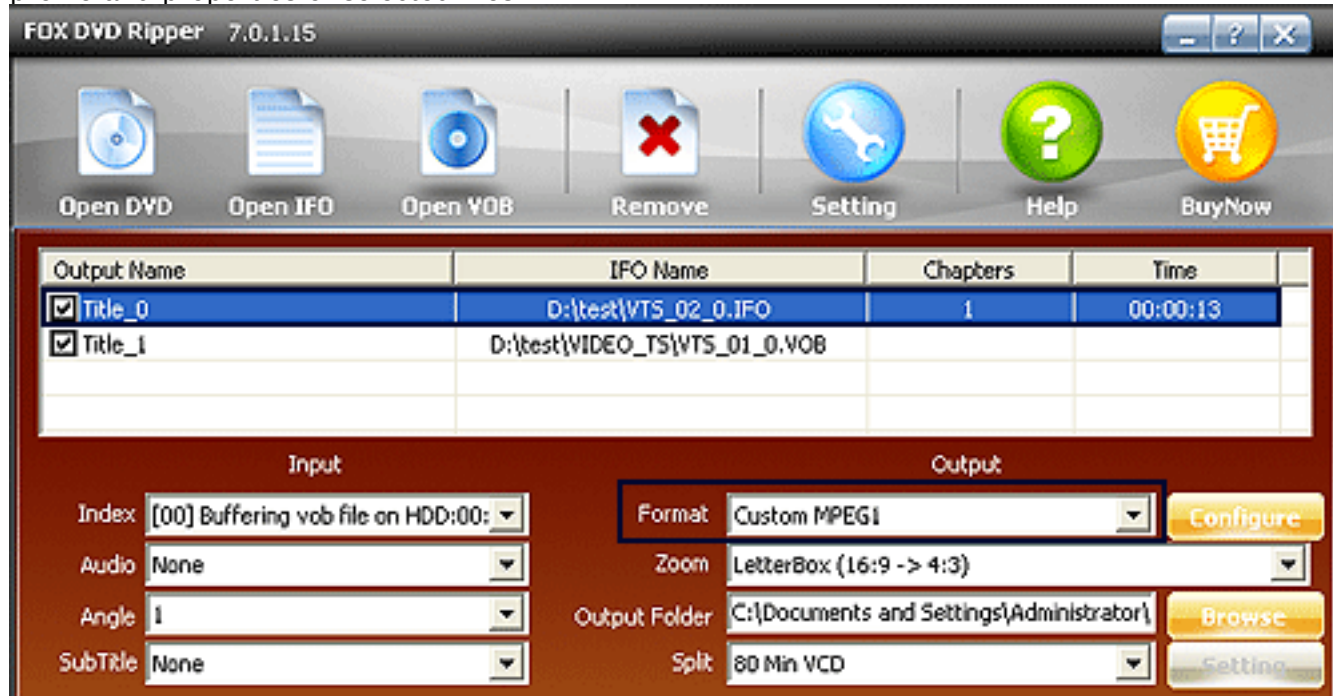
Step 5: Click **Rip Now** to start Ripping.

How to rip numerous DVD files to different formats.

Fox 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 file and output file 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 Fox DVD Ripper?](#)
- ▶ [What are the system requirements for Fox DVD Ripper?](#)
- ▶ [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 Fox DVD Ripper. 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 Fox DVD Ripper. 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 Fox DVD Ripper?](#)
- ▶ [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 Fox DVD Ripper?](#)
- ▶ [How to report bugs?](#)
- ▶ [How much is Fox DVD Ripper?](#)
- ▶ [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 Fox DVD Ripper?](#)
- ▶ [Do you produce a version of Fox DVD Ripper 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 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 Fox DVD Ripper, 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 Fox DVD Ripper](#)
- ▶ [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 FoxEasy

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

Being a shareware developer of multi-media authoring solutions, FoxEasy take the lead in this domain. We have professional experience in the execution of our policy- Think as A Customer. This has given us the idea to create reliable and easy-to-use software products.

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

Contact Us

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Tel:

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

Fox DVD Ripper

Product ID: : 300120330



We will always do our best to answer your questions!

For Partners

North America:

sales@foxeasy.com

Europe:

ventes@foxeasy.com



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



<http://www.foxeasy.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".