

# Magic Video Converter

Magic Software

<http://www.magic-video-software.com/>

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## Introducing Magic Video Converter



Magic Video Converter meets all your needs for DVD CD/SVCD burning and video format converting. It can convert and split a wide range of formats such as AVI, MPEG, MPEG 1, MPEG 2, MPEG 4, VCD, DVD, SVCD, RMVB, RM, WMV, MOV, DIVX, etc. The latest version can recognize more formats! It is easy-to-use and only requires 4 steps to convert video files. Having integrated more user-friendly rationale in the interfaces, all the process is fast and interesting.

We express thanks to all these 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 and Laurent F.

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## Why Magic Video Converter

### Save time

With latest technology, it is outstanding both in **speed** and **visual quality**, and helps you to make a better video in less time! The **easy-to-use** interface also reduces your time in learning. According to surveys, Magic Video Converter save **35%** of your time to convert different video formats.

### Save money

With the ability to convert a wide range of video formats. Fox Video Converter is your **one-way ticket** for formats conversion. The **powerful upgrades** frequently offered from FoxEasy **reduces the continuous investment of software updates**.

Last but the most, Magic Video Converter guarantees **30-days-money-back** if you are unsatisfied with it!

### All in one tool

Do more with your digital media. Video **Convert**, **split** and **Burn** are all supported by this powerful tool.

### Easy-in-use

It is easy to use and fast. With step-by-step manual, Fox Video Converter will make the task of converting video files a breeze whether you are an experienced user or just a rookie!

**Only \$19.95, you get it!**

**BUY NOW**

## What you will have after purchasing this product:

### **Full version of Magic Video Converter**

The possibilities of the full version of Magic Video Converter 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 will receive your own registration codes and have access to all services from Magic.

### **Lifetime license**

Free online upgrades for life.

### **More Discount**

We prepared a series of benefits for our customers, such as coupons for other products from Magic. See more in [Discount Center](#).

### **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 Magic Video Converter

- [Why Magic Video Converter?](#)
- [What will you have after purchase?](#)
- [Is my order secure?](#)
- [Order Now](#)

You can purchase Magic Video Converter securely through the web using [ShareIt](#). It is fast, simple and secure!



**Only 19.95\$ (Limited Time!) to buy! After simple purchase steps, you will get Magic Video Converter with all functions, 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 within less than 1 hour, but in some VERY rare cases it may take [ShareIt](#) more than 24 hours to process your payment.

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

Please do not worry if you haven't received 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 got the registration message in several hours, feel free to contact our [Support Team](#) via email.

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If you have questions concerning our software, send your e-

mail to: [support@magic-video-software.com](mailto:support@magic-video-software.com). **We always do our best to help you!**

## Why Magic Video Converter?

### ➤ Save time

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

### ➤ Save money

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

### ➤ All in one tool

It meets all your needs for video conversion.  
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### ➤ Easy-in-use

With step-by-step manual, enjoyable interface and **one-click process**, you will experience your enjoyment in multimedia with Magic Video Converter.

**BUY NOW**

## What will you have after purchase?

- **Full version of Magic Video Converter**

Fun in unlimited video converting.

- **Lifetime license**

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

- **Customer care**

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

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

Great benefits to our customers. See more in [Magic Discount Center](#).

**BUY NOW**

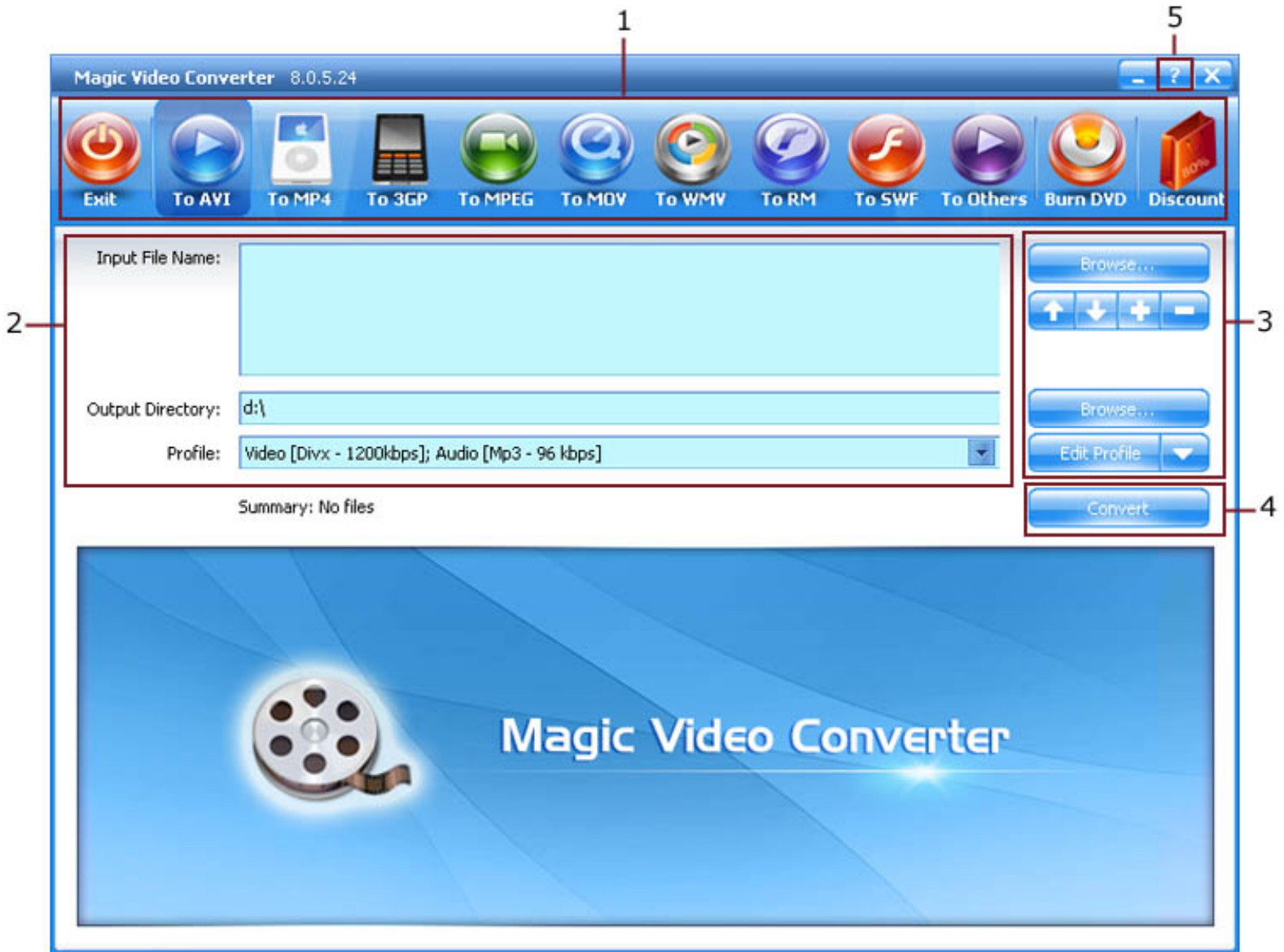
## Is my order secure?

As we did for years, we promise the most secure purchase

[ShareIt](#) and [RegNow](#), all these Magic partners passed strict certification. We truly believe in 'Only by benefiting our customers can we benefit ourselves'. So your purchase security in Magic is one of the top affairs we care about! Magic has been involved in E-commerce for years. And through these years, we 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

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

### 3. Edit Buttons

Select and edit files for Input and Output, all information exists in Show Window.

### 4. Convert Button

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

### 5. Question Mark

Including several options, which are introduced in "Main Panel" .

## Main Panel



### 1.Exit Button

Click on this button to exit from Magic Video Converter.

### 2.format Button

Select the desired video format or a customized format using the To Others button..

### 3. Burn DVD

Click this button to burn DVD from original device.

### 4.Buy Now

Click this button to be linked to our discount website.

### 5.Question Mark

Click this button to see the drop list menu:



## Edit Buttons & Show Window



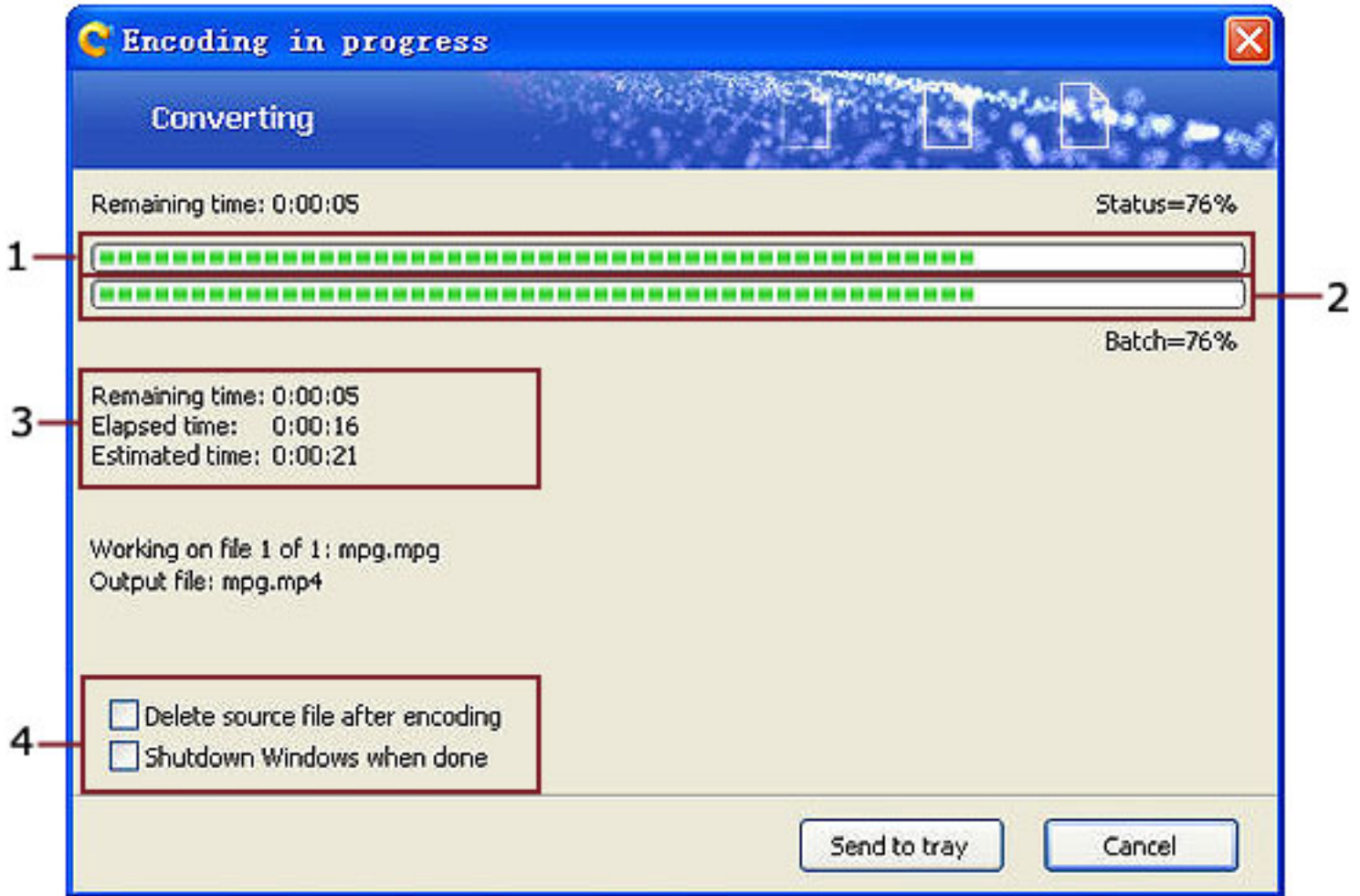
**Show Window actually expresses the edited result of Edit Buttons.**

a) After clicking on the Browse, input browse window will pop up automatically. Select the video file for converting from the pop-up window. Magic Video Converter supports batch video converting. If several video files are selected, Magic Video Converter will automatically recognize them. Use the Button + or - to add or delete video files for batch conversion.

b) Click this browse to specify your output directory. One or all output videos will be saved to the directory you specify. The result will be displayed in Show Window - 2.

c) Click the button to specify the output video property. You can add, delete and rename defined profiles. All the saved profiles could be reviewed in Show Window - 3.

## Convert Button and Question Mark



Click the **Convert** button to view the pop up window above.

1) This bar shows the remaining time of converting current file.

2) This bar shows the remaining time of converting all files. (If you are converting several files.)

3) Click the **Convert** button to view the pop up window above.

4) Select desired check boxes, you can delete source file after encoding and shutdown windows when it is done.

Click the **Question Mark**, you will see the following drop-down menu:



Select "Help Content" and "Quick Start..." to be guided by **HELP**.

Select "Languages" to switch language to English, French or German.

Select "Register..." to order this product via secure online shop.

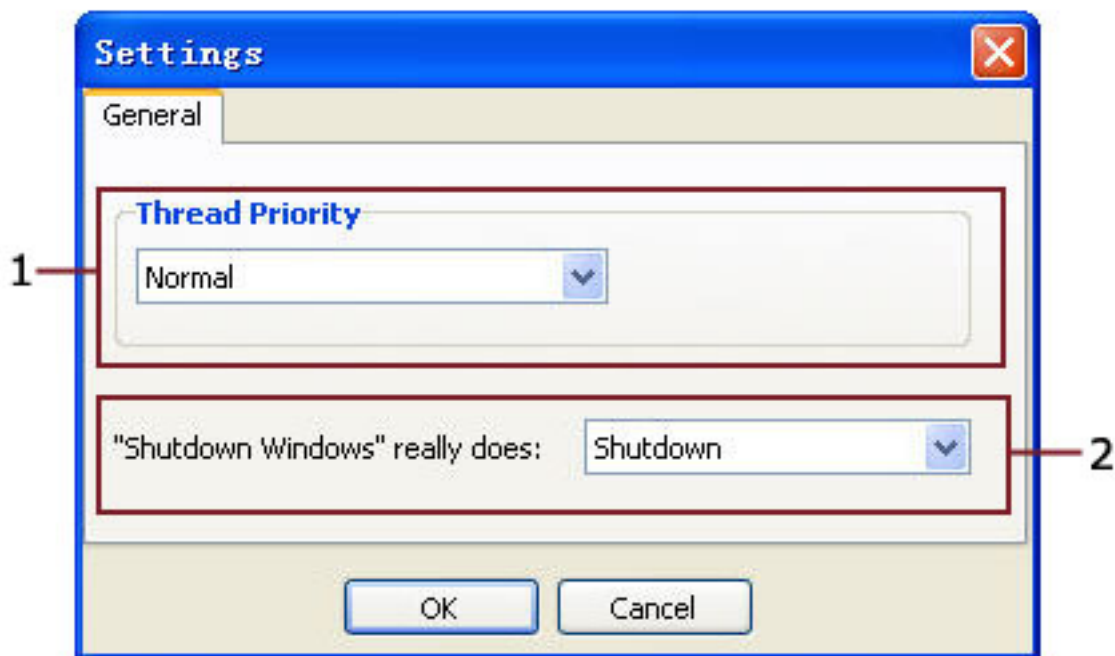
Select "Enter Serial Number..." to fill with key code provided in the email. ( Only after you purchase our product)

Select "Online Resources..." to be redirected to online resources.

Select "Contact Technical Support..." to send e-mail to us with your questions and suggestions.

Select "About..." to know more details about this software.

Select "Settings..." to see the window below:



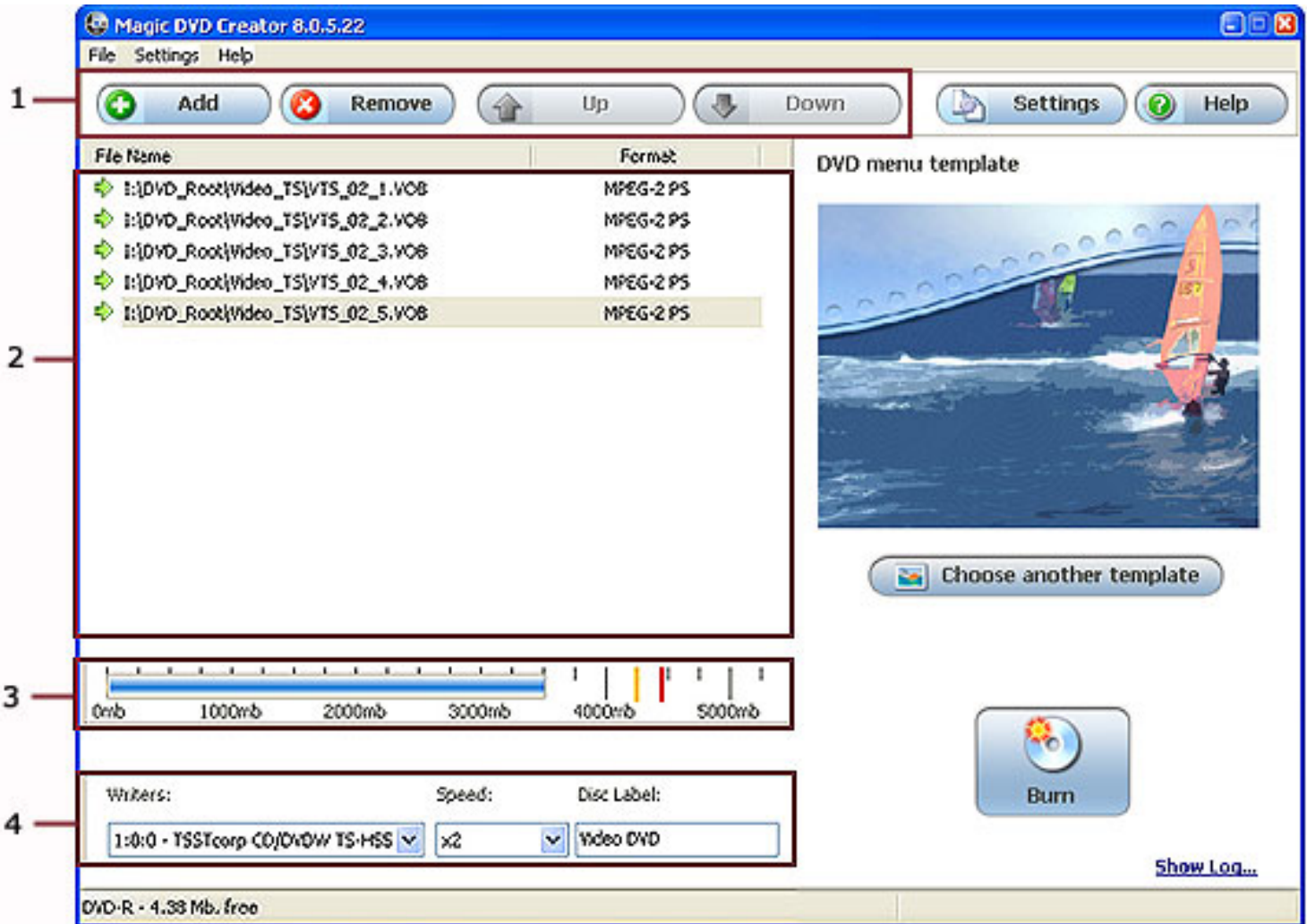
**1)** Adjust the usage of CPU in the drop list menu. When selecting "High" and "Real-time", your computer will only be capable of running Magic Video Converter.

**2)** Select in 'Shutdown Windows' an action such as close, shutdown or log off.

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## Burn Main Window



### 1. Main Panel

Allows you to Add, Remove and configure input files.

### 2. Show Window

Shows the order of input files

### 3. Volume Info

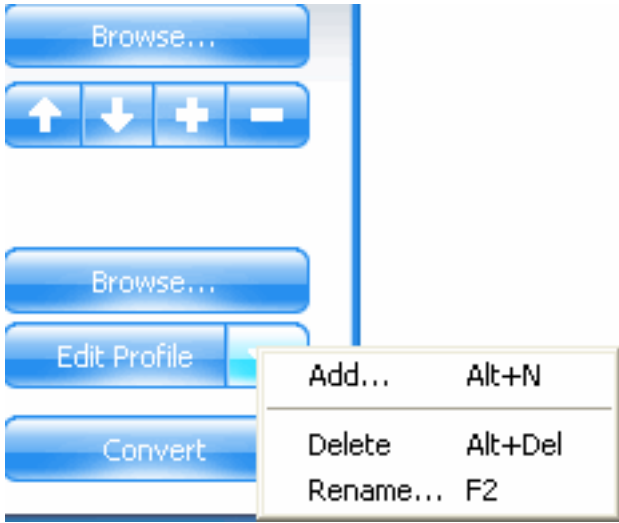
This bar indicates the volume information of input files.

ATTENTION: The volume of input files cannot exceed max 4483mb.

### 4. Other

This bar indicates the information of your CD-ROM.

## Profile Editor



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

The profiles could be added/deleted/renamed by using the drop-down list on right side of the button.

**Add...:** Add a file to the profile Show Window. Save it before you configure codec in profile editor window, and then the added file would be existed in the profile Show Window.

**Delete:** Delete a file from profile Show Window.

**Rename...:** Rename a file from profile Show Window.

### Learn more about:

[General window;](#)

[Video window;](#)

[Audio window](#)

## General Setting Window

You can customize video profiles for output video by using Profile Editor. In this window, you could configure parameters: Time Control, Video Codec, Audio Codec, etc.

### Description

"Description" introduces the details of the selecting profile. For instance, you can change the default "no description " into "default", then save it, and next time, "default" will be displayed in it.

Description:

No Description

Description:

Default

### 1. Time Control

Select the check box "Enable Time Control " to define the timeline of the converted video file. The whole video clip will be converted if you don't select the check box "Enable Time Control".

Duration=End Time - Start Time.

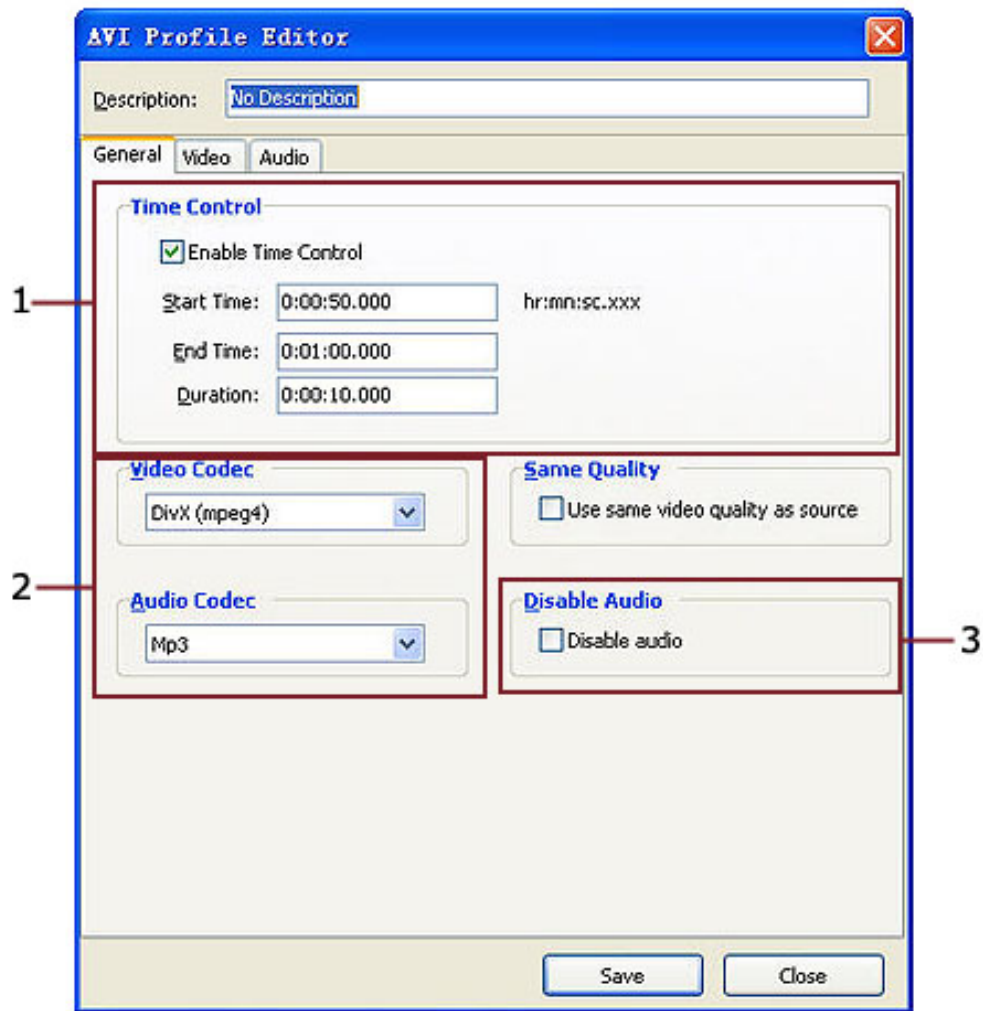
### 2. Codec

From the drop list, select the desired video conversion codec. The recommended **Video Codec** and **Audio Codec** can be selected from the drop list menu to for the best quality.

### 3. Disable Audio

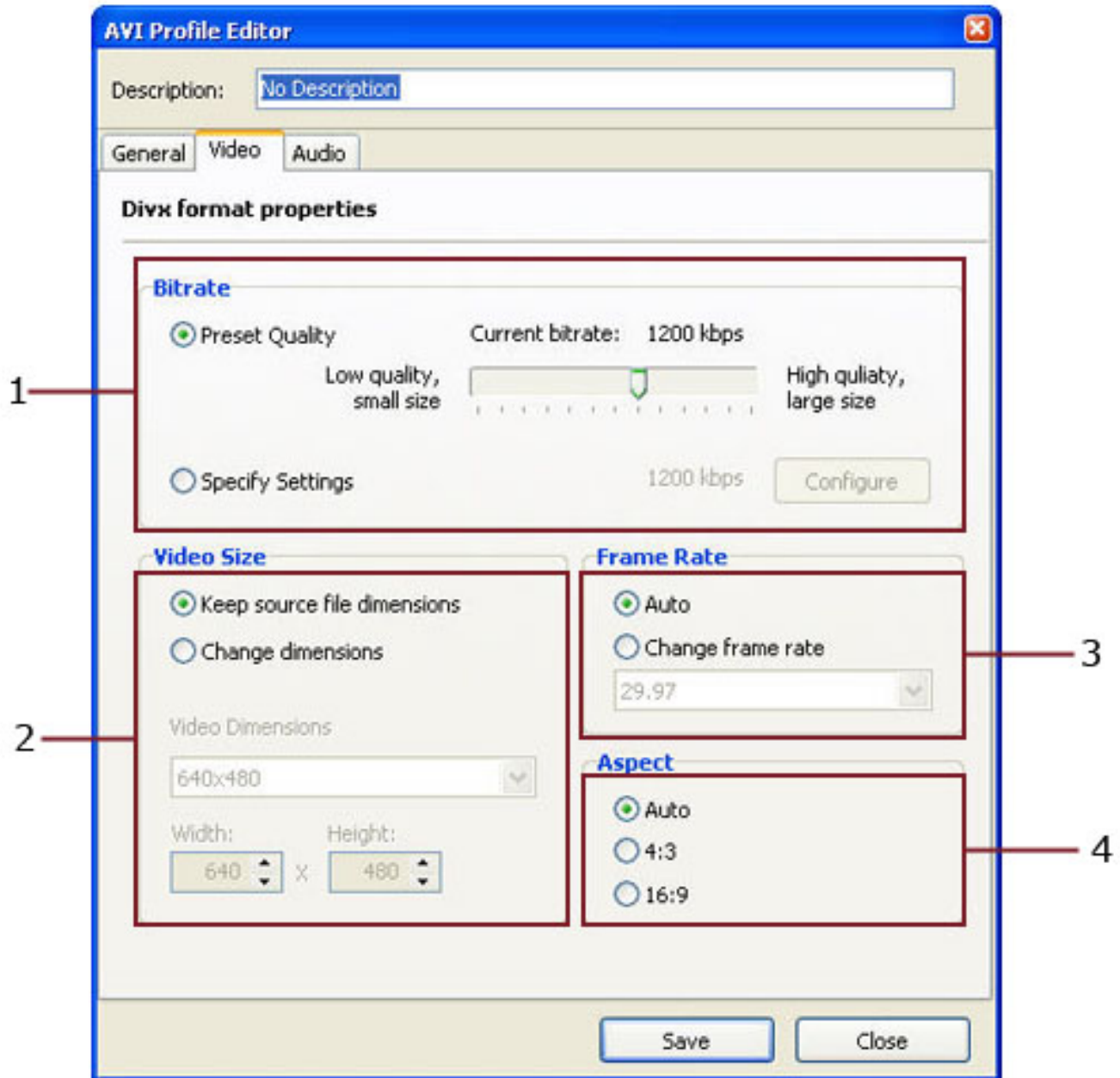
The audio will be disabled by checking this box.

ATTENTION: When default profile settings are selected, all edited settings will be deleted.



## Video Setting Window

You can customize video profiles for output video by using Profile Editor. In this window, you could configure some video parameters: **Bit rate**, **Video Size**, **Frame Rate** and **Aspect**.



### 1. Bitrate

These advanced setting are used to adjust bit rate.  
Click the check box **Preset Quality** to adjust bit rate by sliding the bar.

Click the check box **Specify Settings** and then click the button **Configure** to customize video bit rate.

## **2. Video Size**

Adjust the video size.

Click the check box **Keep source file dimensions** to select size from the drop list or click **Change dimensions** to customize size.

## **3. Frame Rate**

Click **Auto** to select the auto frame rate or **Change frame rate** to customize using the drop-down menu.

**ATTENTION:** Higher frame rates generally produce smoother movement in the picture at the expense of larger video file size.

## **4.Aspect**

Select desired aspect ratio.

## Audio Setting Window

You can customize video profiles for output video by using Profile Editor. In this window, you could configure some audio parameters: **Channels, Sample Rate, Bit rate**.

### 1.Channels

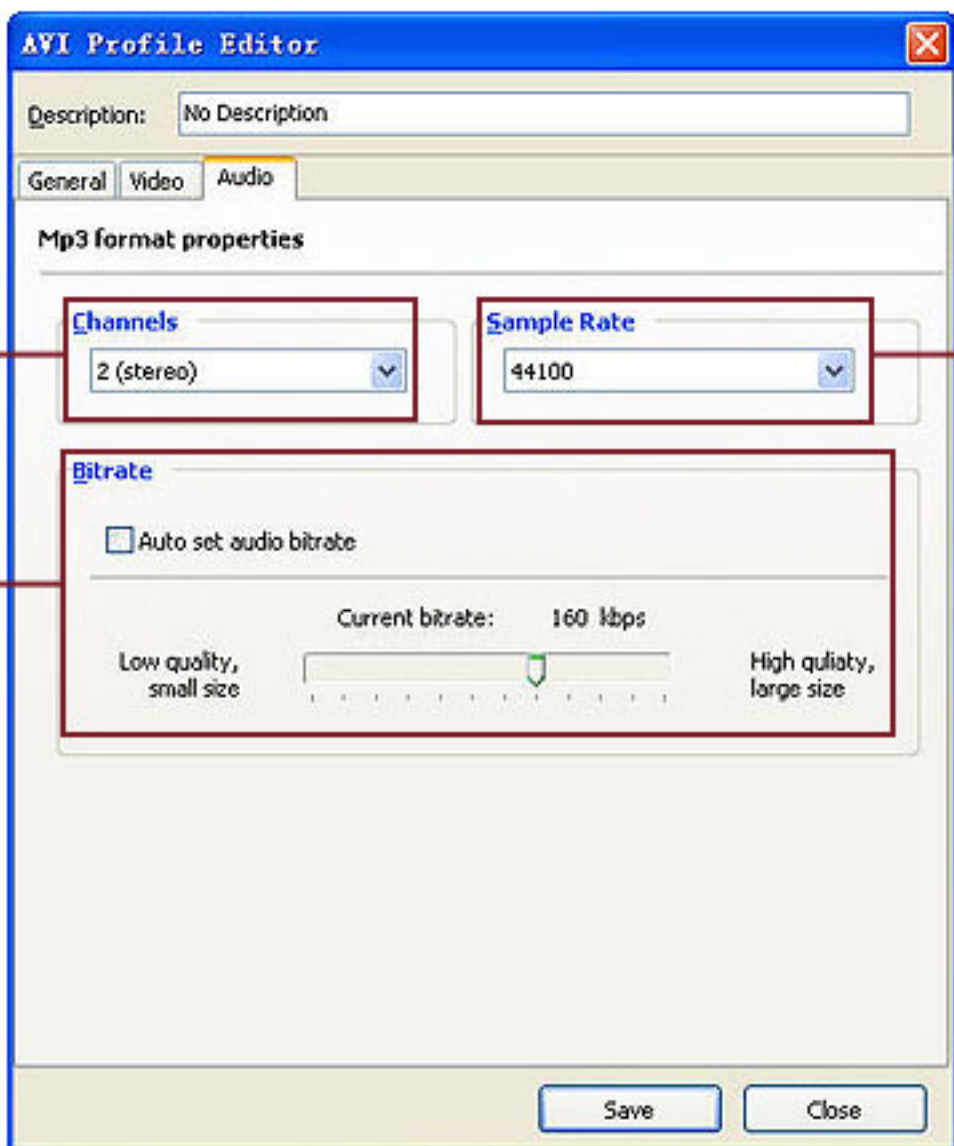
With Channels setting, you can switch audio parameters between 'Stereo' and 'Mono'..

### 2.Sample Rate

Sample Rate is the rate at which samples of an Analogue signal are taken to create a Digital image of that signal. Higher sample rates give higher audio quality at the expense of larger audio file size. Lower sample rates save disk space but result in poorer audio quality.

### 3.Bit rate

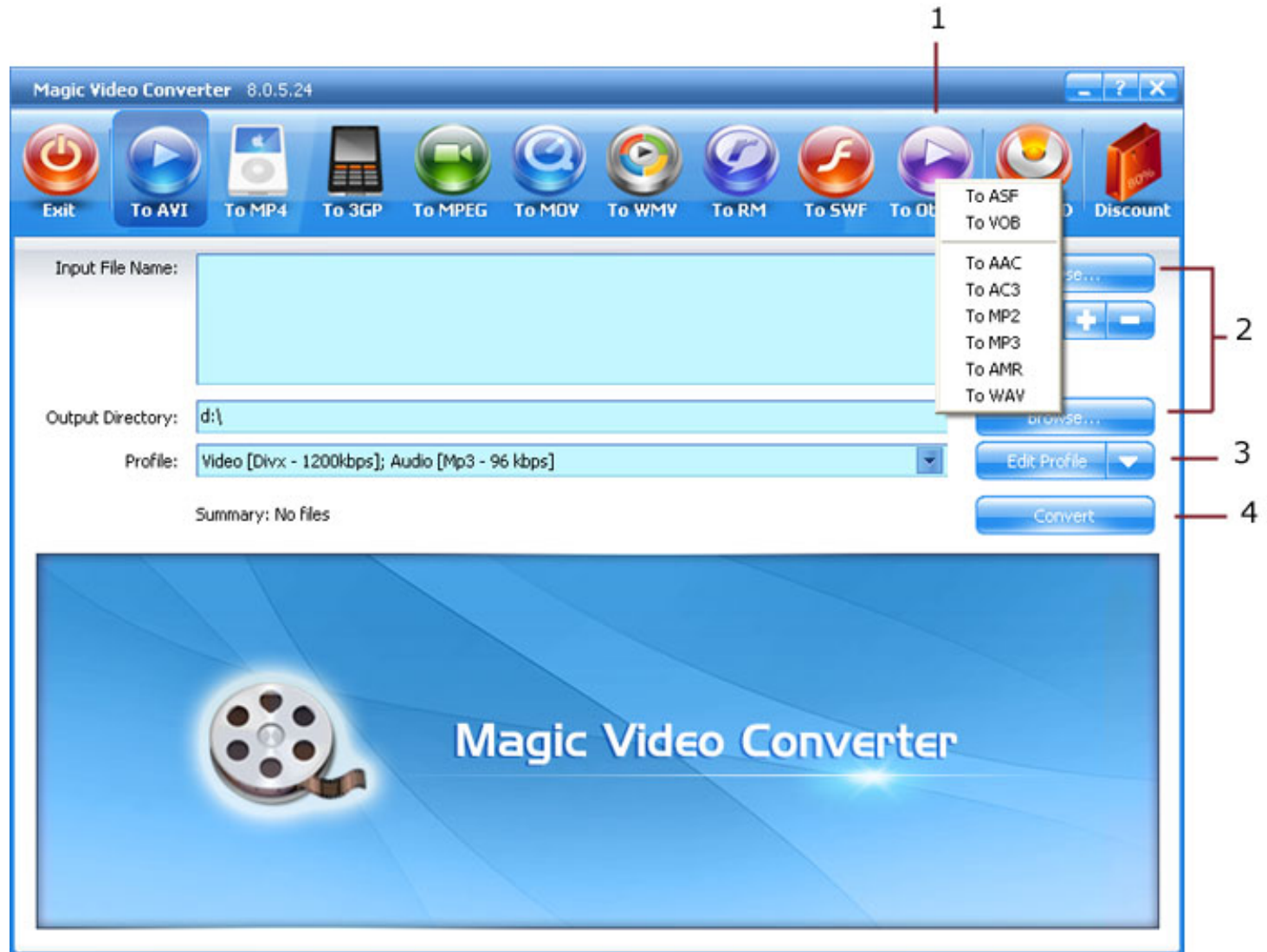
Bit rate can be defined automatically according to hardware environment. You also can specify it, after canceling the check box - 'Auto set audio bit rate'. If you select higher bit rate, you will receive better sound but with more physical space one second of audio takes in bits .



## To convert file to MP3

Magic Video Converter supports a wide range of formats such as AVI, MP4, 3GP, MPEG, MOV, WMV, RM, SWF, ASF, AC3, MP2, MP3..... And it can convert files between different formats. Take converting to MP3 for example.

**Attention:** The default setting gives a best result for all formats. (Default setting recommend)



**Step 1:** Click the the button **To Others**. Select **To MP3**.

**Step 2:** Select input file and output file directory. Click the +/- button to add/delete video files. Also, you can arrange their sequence with the Up Arrow and Down Arrow.

**Step 3:** Edit MP3 Profile in advanced properties of output file.

**Step 4:** Press **Convert** to start converting to MP3.

[MP3 General Setting Window;](#)  
[MP3 Audio Setting Window](#)

## MP3 General Setting Window

Customize video profiles for output video by using Profile Editor. In this window, you could configure some parameters: **Time Control**, **Audio Codec**, etc.

### Description

"Description" introduces the detail of the selected profile editor. For instance, you can change the default "no description " into "default", then save it, and next time, "default" will be displayed in it.

Description:

No Description

Description:

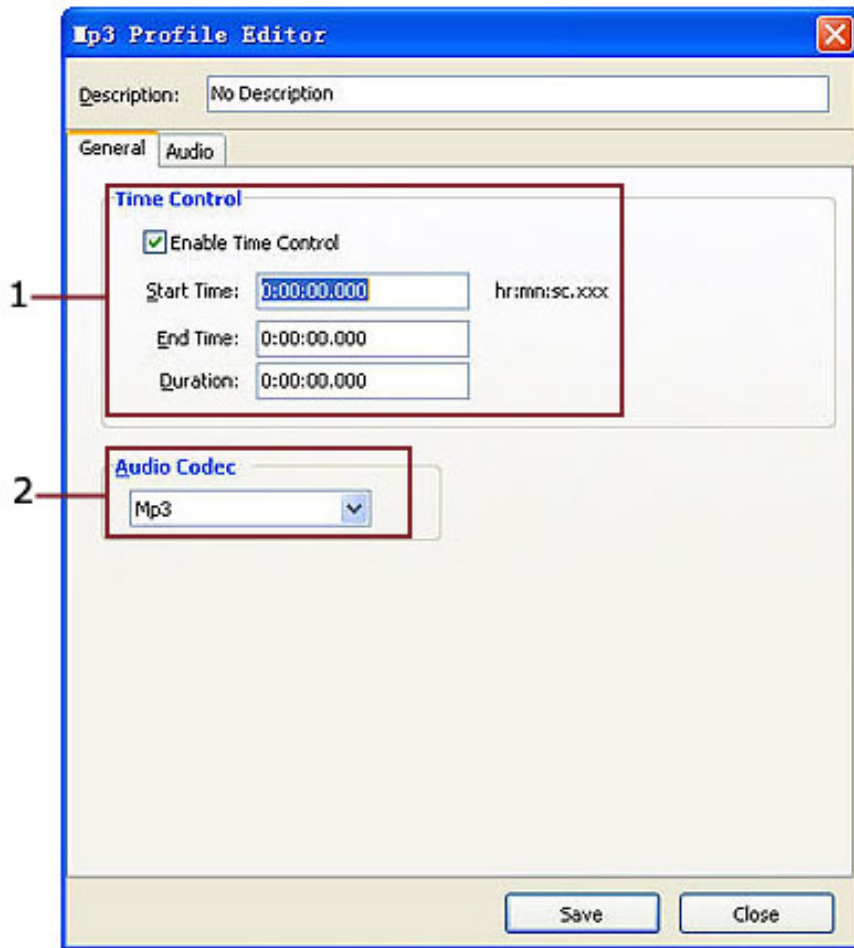
Default

### 1. Time Control

Select the check box "Enable Time Control " to set the time of conversion. You will convert the whole file if you don't click the check box "Enable Time Control".  
Duration=End Time - Start Time;

### 2. Audio Codec

In the output format, you can only select Mp3.



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## MP3 Audio Setting Window

In addition to selecting general parameters, the settings on the MP3 Audio determine MP3 properties for output. You can configure audio parameters such as **Channels**, **Sample Rate**, **Bit rate**.

### **1.Channels**

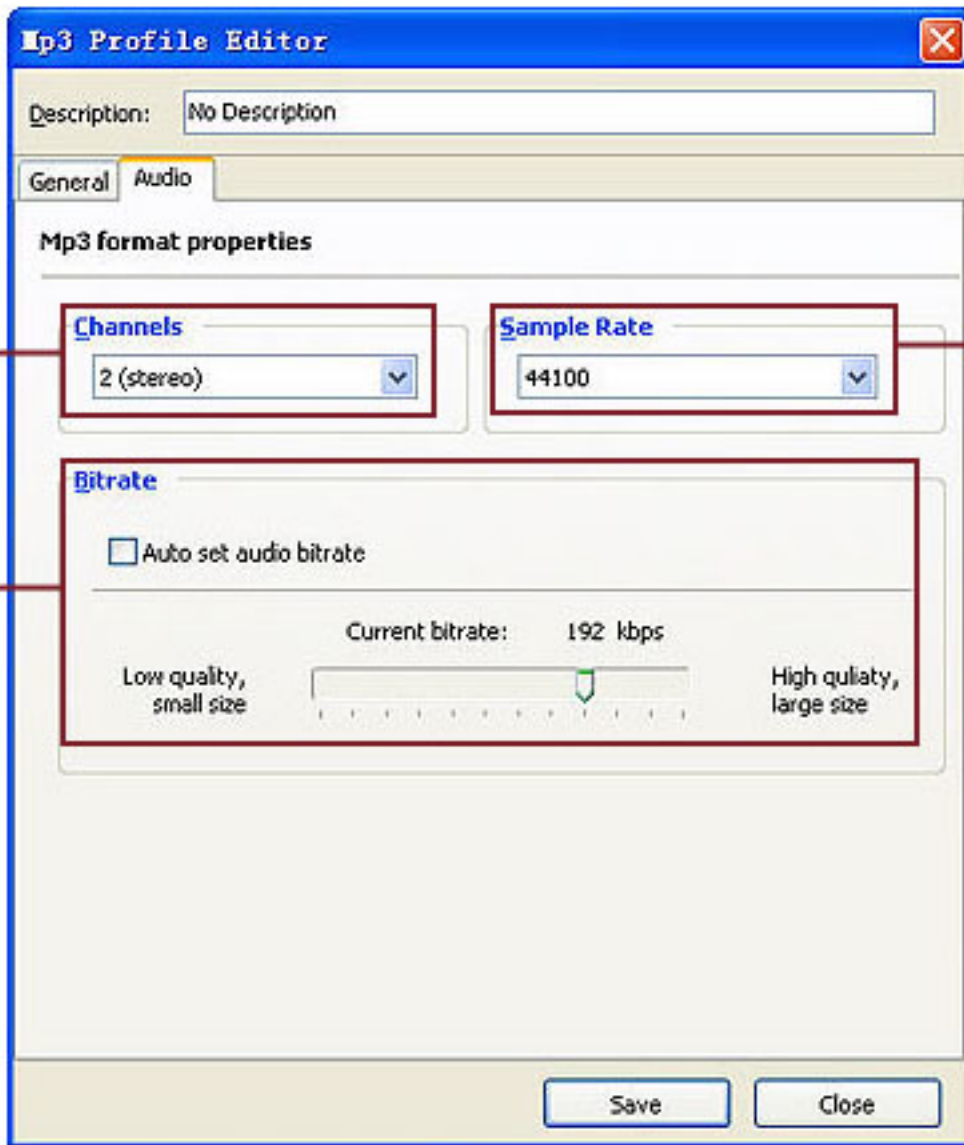
Choose Mono or Stereo in the Channels drop-list.

### **2.Sample Rate**

Sample Rate is the rate at which samples of an Analogue signal are taken to create it Digitally. Higher sample rates give higher audio quality at the expense of larger audio file size. Lower sample rates save disk space but result in poorer audio quality.

### **3.Bit rate**

Adjust the bit rate or use the "auto set auto bit rate". A higher bit rate results in higher quality sound but takes up more physical space per second of audio.

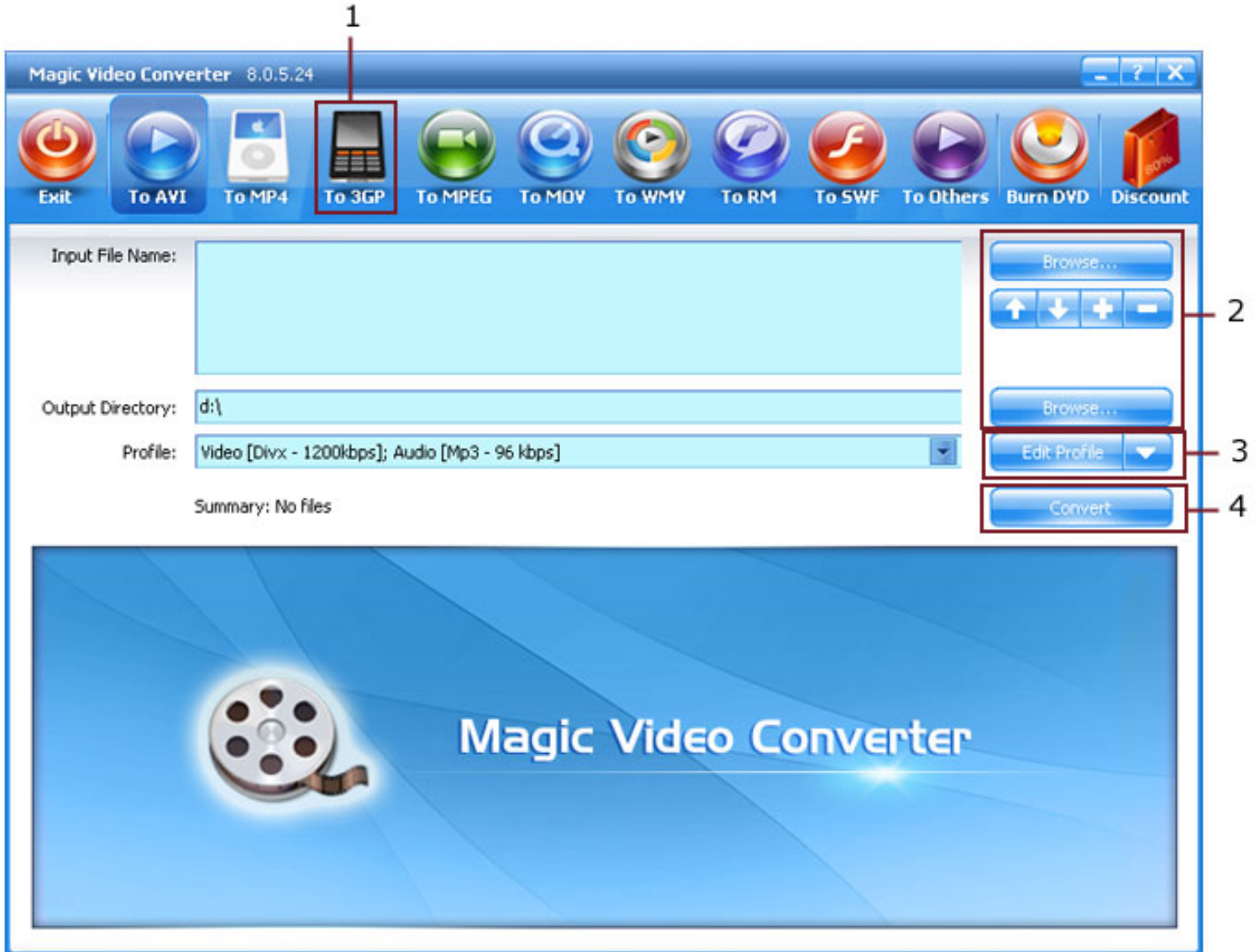


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## To convert your video

Magic Video Converter is a professional tool for converting video files, including DVD video, and for creating DVD video discs. This quick and easy program allows you to create a video suitable for storage, playing on your computer, uploading to a website or playing in your home DVD player.

**Attention:** The default settings give the best results for all formats. (Default settings recommend)



**Step 1:** Select the output file format.

**Step 2:** Select input file and output file directory.

**Step 3:** [Edit Profiles](#) in advanced properties of output video.

**Step 4:** Press Convert to start converting, and there will be a new file in you Output Directory.

### Converting:

Convert different video files into one format simultaneously.

Example:

Firstly, browse your input directory and select two files with different format (use "+", "- " to add or delete other files.):

'xxx.3pg',  
'xxx.avi',

Then, select the button **To MP4** ,

Finally, click **Convert**, and the two selected files will be converted into MP4 format simultaneously!

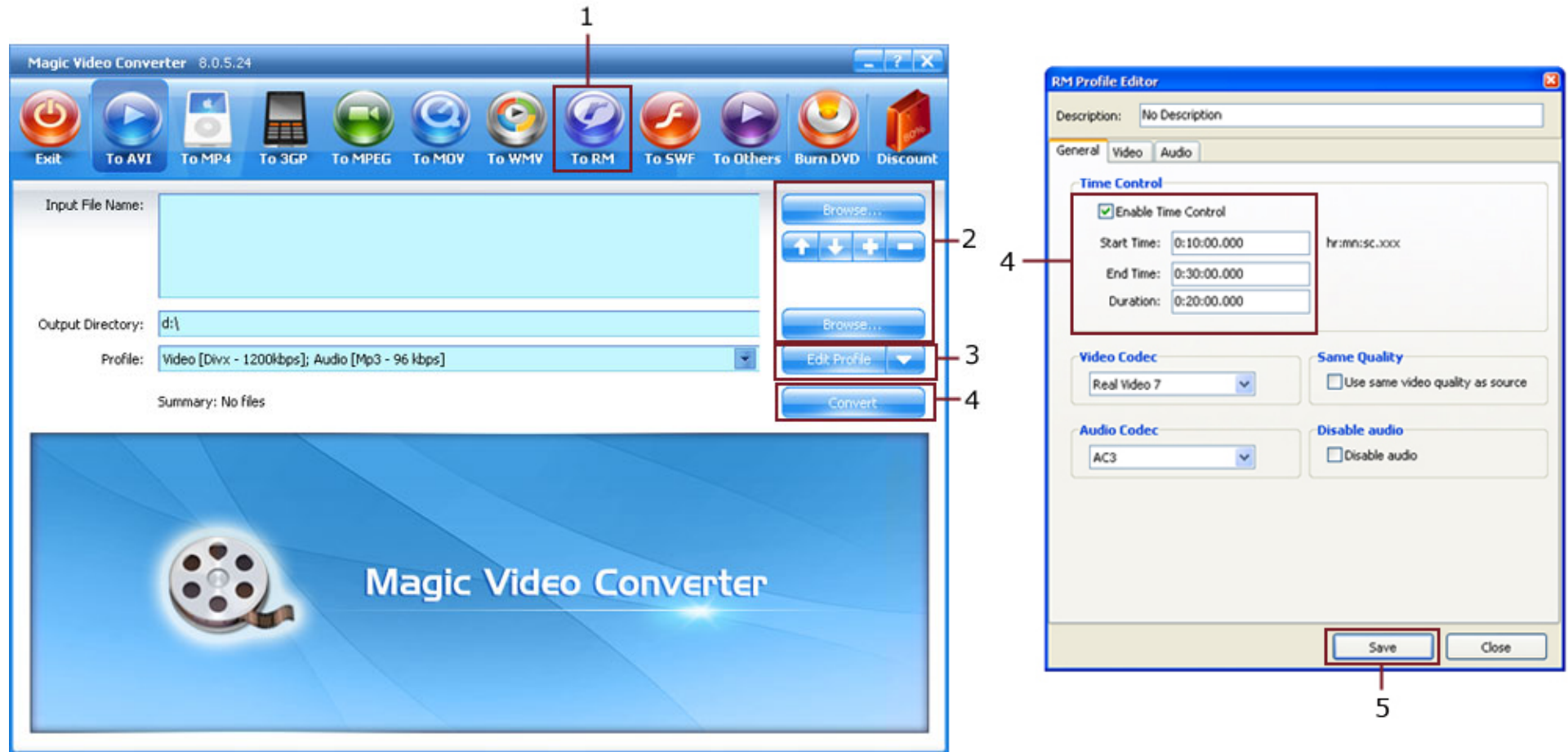
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## To split your video

Magic Video Converter can split videos into the desired size.

**Attention:** The default setting gives a good result for all formats. (Default setting recommend)



**Step 1:** Select the output file format.

**Step 2:** Select input file, and output file directory. Using the + or - button to add or delete video files. You can also arrange their sequence with the Up Arrow and Down Arrow.

**Step 3:** [Edit Profile](#) in advanced files properties of output file.

**Step 4:** Click the check box "Enable Time Control" in the pop-up window, then customize the following settings:

Start Time: Indicates the time that begin to split;

End Time: Indicates the time that end to split;

Duration Time: This will be automatically changed after customizing the Start Time and the End Time and the output videos will split to the size you entered.

**Step 5:** Click "save".

## To burn into disc

Magic Video Converter meets your needs for DVD production. Burn and watch what you shot with your DV in your home theater.

**Attention:** The default settings give the best results for all formats. (Default value recommend)

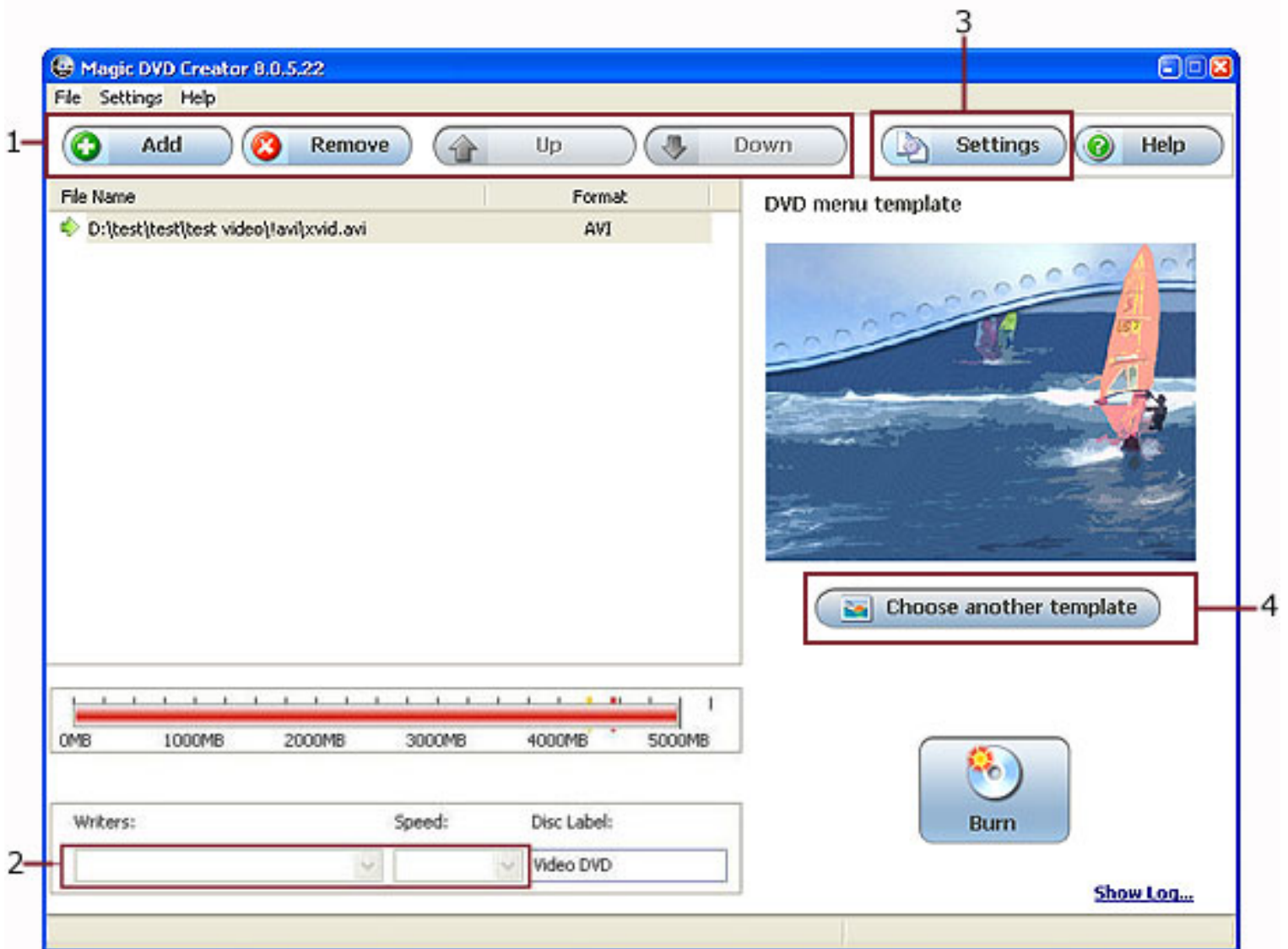
**Step 1:** Select the button **Burn DVD**.



**Step 2:** Click the **Add** button to add input file or click the **Delete** button to delete video files.

Arrange their sequence with the Up Arrow and Down Arrow.

**ATTENTION:** You can only add one file at a time when using the trial version.



**Step 3** : Select template

**Step 4**: Click the **setting** button to customize the following settings in the pop-up window.

**A) Video format** is used to set television and video standard.

Americans please select **NTSC**;  
Europeans please select **PAL**.

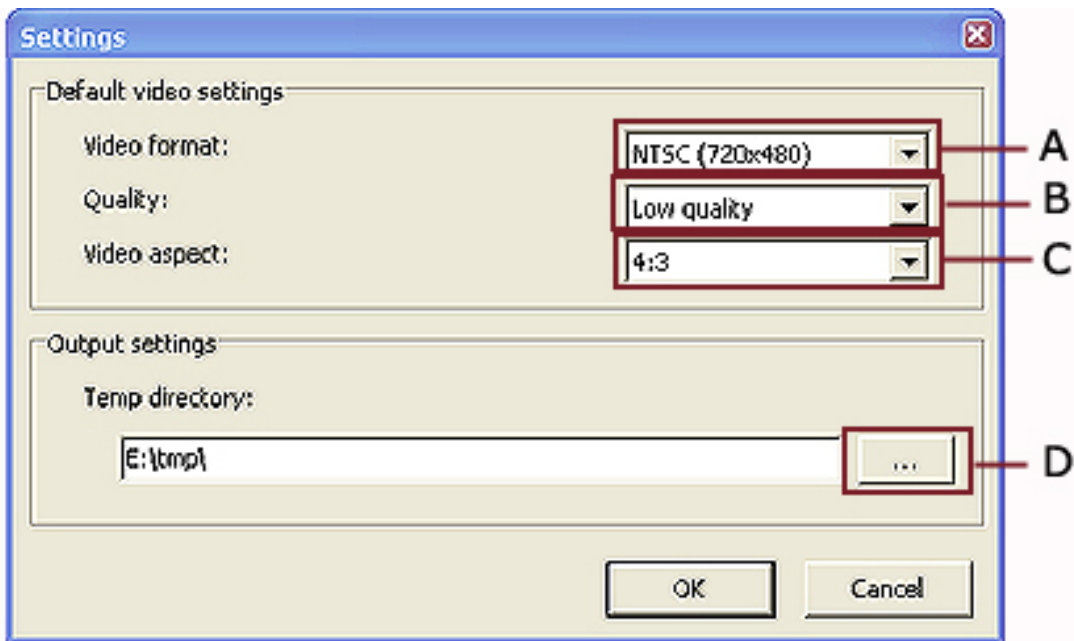
**B) Select quality** in the **Quality** drop-down list.

NOTE: "High quality" gives higher quality at the expense of larger file size; "Low quality" saves disk space but result in poorer quality.

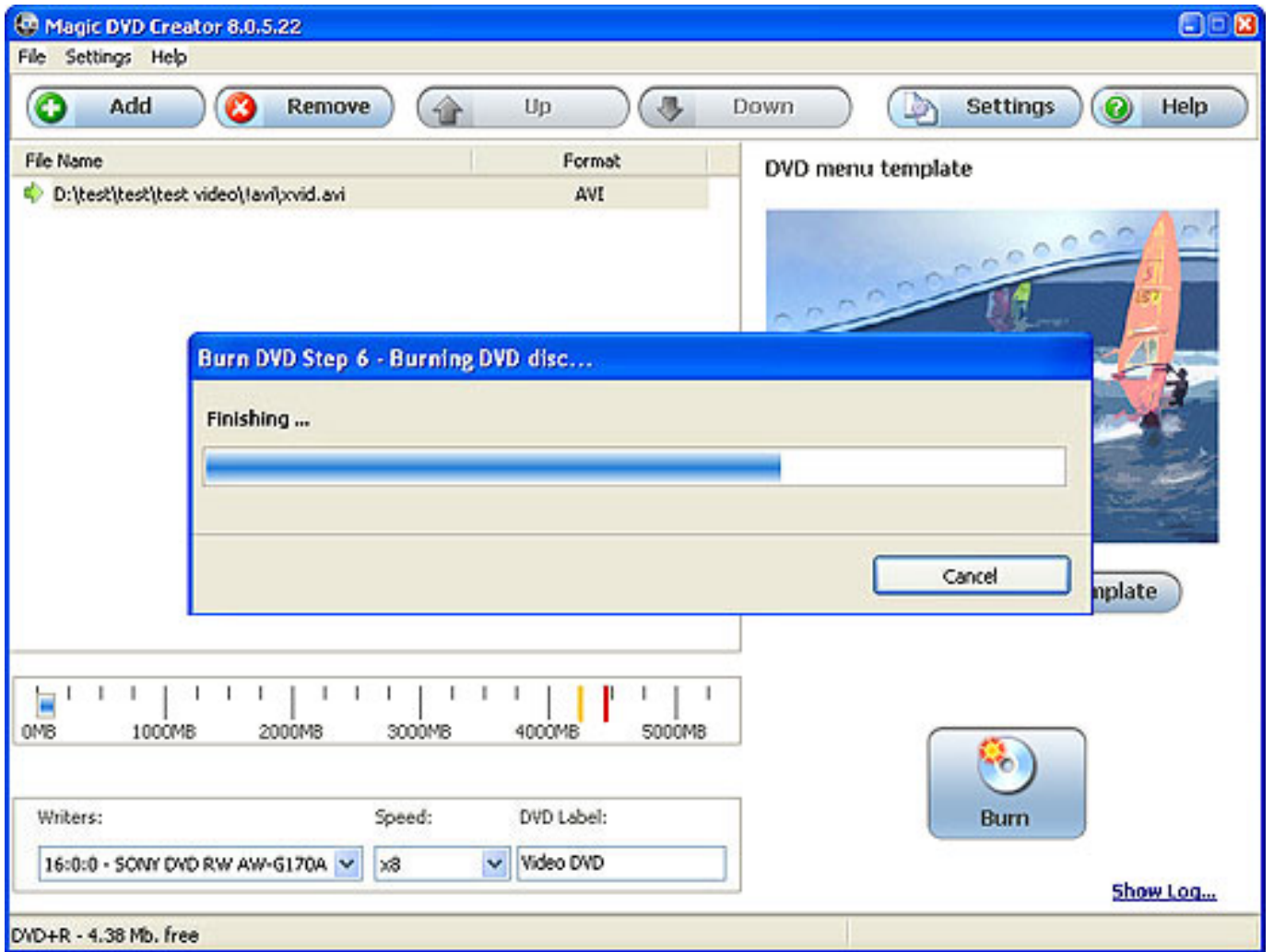
**C) Video aspect** indicate ratio between the width of the picture and the height of the picture, normal TV's aspect ratio is 4:3, HDTV's aspect ratio is 16:9.

Please select the proper one in the drop-down list.

**D) By default**, the project file will be stored in your Temporary (tmp) directory. Select a different location by clicking the Browse button. (Default directory recommend)



**Step 5:** Press **Burn** now!  
**Process bar** indicates the time of the converting process.



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## Tech FAQs

- ▶ [What are the recommended operating system configurations for Magic Video Converter?](#)
- ▶ [What is the System Requirement of Magic Video Converter?](#)
- ▶ [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 Magic Video Converter. What should I do now?](#)
- ▶ [My computer DVD player handles my newly converted DVD files, but my home DVD player won't take them! How do I go about it?](#)
- ▶ [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 Magic Video Converter. 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 Magic Video Converter?](#)
- ▶ [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 Magic Video Converter?](#)
- ▶ [How to report bugs?](#)
- ▶ [How much is Magic Video Converter?](#)
- ▶ [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 Magic Video Converter?](#)
- ▶ [Do you produce a version of Magic Video Converter for the Mac?](#)
- ▶ [Can you tell me more about downloading in 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 to buy?](#)
- ▶ [Is online order 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 Magic Video Converter 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 Magic Video Converter, 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 of buying software: What is ESD?](#)
- ▶ [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 burn video file/s to DVD with Magic Video Converter?](#)
- ▶ [How to convert video files from one format to another with Magic Video Converter?](#)
- ▶ [How to select input file or files?](#)
- ▶ [How to change output file name and location?](#)
- ▶ [How can I uninstall divx 5.0 without removing your program?](#)
- ▶ [How can I create a video with no audio?](#)
- ▶ [How to edit profile?](#)

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## DVD VCD SVCD Specification

DVD specification	SVCD specification	VCD specification
<b>NTSC:</b> Horizontal width: 352 Vertical height: 240 Frames per second: 29.97 Color depth: 24 or 32 bits	<b>NTSC:</b> Horizontal width: 720 Vertical height: 480 Frames per second: 29.97 Color depth: 24 or 32 bits	<b>NTSC:</b> Horizontal width: 480 Vertical height: 480 Frames per second: 29.97 Color depth: 24 or 32 bits
<b>PAL:</b> Horizontal width: 352 Vertical height: 288 Frames per second: 25 Color depth: 24 or 32 bits	<b>PAL:</b> Horizontal width: 720 Vertical height: 576 Frames per second: 25 Color depth: 24 or 32 bits	<b>PAL:</b> Horizontal width: 480 Vertical 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 and that is 4.37 computer GB where 1 kbyte is 1024 bytes\* . DVD+R/DVD+RW and DVD-R/DVD-RW supports 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 and that is 8.75 computer GB. DVD+R/DVD+RW and DVD-R/DVD-RW supports this format. Also called Double Sided Single Layered.

DVD-9, holds around 8 540 000 000 bytes and that is 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 and that is 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	<b>The first video play item, IFO</b> , usually a copyright notice or a menu
	VIDEO_TS. VOB	<b>The first video play item, VOB</b>
	VTS_01_0. BUP	
	VTS_01_0. IFO	<b>Title 01, IFO</b> , usually the main movie
	VTS_01_0. VOB	<b>Title 01, VOB 0</b> , the menu for this title
	VTS_01_1. VOB	<b>Title 01, VOB 1</b> , the video for this title
	VTS_01_2. VOB	<b>Title 01, VOB 2</b> , if larger than 1 GB it will be splitted into several vobs
	VTS_01_3. VOB	<b>Title 01, VOB 3</b>
	VTS_01_4. VOB	<b>Title 01, VOB 4</b> , up to 10(0-9) VOB files if necessary
	VTS_02_0. BUP	
	VTS_02_0. IFO	<b>Title 02, IFO</b> , usually movie extras
	VTS_02_0. VOB	<b>Title 02, VOB 0</b> , the menu for this title
	VTS_02_1. VOB	<b>Title 02, VOB 1</b> , 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

## Appendix A Keyboard shortcuts

Key	Function
Alt + F4	Exist
Alt + Del	Delete Profile
Alt + N	Add profile
F1	Help
F2	Rename profile
F9	Convert
F12	Settings
Ctrl + A	Select all input files
Ctrl + D	Goes down
Ctrl + E	Edit profiles
Ctrl + N	Add input video file
Ctrl + O	Set output parameters
Ctrl + P	Play video file

Ctrl + U

Goes up

Del

Delete selected file

Shift + Del

Delete all input files

---

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## 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 and dual-layered. They 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 a DVD/SVCD player software.



ba	Bosnia and Herzegovina  (UN) 387	gq	Equatorial Guinea (formerly Spanish Guinea) (UN) 240	ke	Kenya (UN) 254	ps	Palestinian Territories (West Bank, Gaza Strip) (disputed by IL) 970	tz	Tanzania (formerly Tanganyika and Zanzibar) (UN) 255,259
bb	Barbados  (UN) 1246	kg	Kyrgyzstan  (UN) 996	kh	Kampuchea (now Cambodia) (UN) 855	pt	Portugal (UN) 351		
bd	Bangladesh (formerly East Pakistan)  (UN) 880	ki	Kiribati (UN) 686	km	Comoros Islands (UN) 269	pw	Palau (UN) 680		
be	Belgium (UN) 32	kn	Saint Kitts and Nevis  (UN) 1869	py	Paraguay (UN) 595	qa	Qatar (UN) 974	ua	Ukraine  (UN) 380
bf	Burkina Faso (formerly Upper Volta) (UN) 226	kp	Democratic People's Republic of Korea, North (UN) 850	re	Reunion Island  262	ro	Romania (UN) 40	ug	Uganda (UN) 256
bg	Bulgaria (UN) 359	kr	Republic of Korea, South (UN) 82	ru	Russia (formerly part of Ruanda-Urundi, German East Africa) (UN) 250	rw	Rwanda (formerly part of Ruanda-Urundi, German East Africa) (UN) 250	uk	United Kingdom (Great Britain and Northern Ireland) (UN) 44
bh	Bahrain (once Dilmun) (UN) 973	kw	Kuwait (UN) 965	sa	Saudi Arabia (UN) 966	rw	Rwanda (formerly part of Ruanda-Urundi, German East Africa) (UN) 250	us	US Minor Outlying Islands (Midway, Wake, etc.) 808
	Burundi (formerly part of Ruanda-Urundi, formerly German East Africa) (UN) 257	ky	Cayman Islands  1345	sb	Solomon Islands  (UN) 677	sa	Saudi Arabia (UN) 966	um	United States (UN) 1
bj	Benin (UN) 229	kz	Kazakhstan  (UN) 7	sc	Seychelles (UN) 248	sg	Singapore (UN) 65	uy	Uruguay (UN) 598
bm	Bermuda  1441	la	Laos (UN) 856	sd	Sudan (UN) 249	sh	Saint Helena  290	uz	Uzbekistan  (UN) 998
	Brunei	lb	Lebanon (UN) 961	se	Sweden (UN) 46	si	Slovenia  (UN) 386	uz	US Virgin Islands  1340
bn	Darussalam (UN) 673	lc	Lucia, Saint  (UN) 1758	sg	Singapore (UN) 65	sj	Svalbard and Jan Mayen Islands  79	vi	USSR (Soviet Union, now 15 separate republics) 7
bo	Bolivia (UN) 591	li	Liechtenstein (UN) 41	sh	Saint Helena  290	sk	Slovakia (formerly part of CS) (UN) 421	su	United Arab Emirates (formerly Trucial Coast) (UN) 971
br	Brazil (UN) 55	lk	Sri Lanka (formerly Ceylon) (UN) 94	sl	Sierra Leone (UN) 232	sm	San Marino (UN) 378		
bs	Bahamas  (UN) 1242	lr	Liberia (UN) 231	sn	Senegal (UN) 221	so	Somalia (UN) 252		
bt	Bhutan (UN) 975	ls	Lesotho (formerly Basutoland) (UN) 266	sr	Suriname (UN) 597	st	São Tomé and Príncipe (UN) 239		
	Bouvet Island	lt	Lithuania  (UN) 370	sv	Soviet Union (USSR, now 15 separate republics) 7	su	Soviet Union (USSR, now 15 separate republics) 7		
bv		lv	Latvia  (UN) 371	sv	El Salvador (UN) 503	sy	Syria (UN) 963		
	Botswana (formerly Bechuanaland)  (UN) 267	ly	Libya (UN) 218	sz	Swaziland (UN) 268	sz	Swaziland (UN) 268		
bw	Belarus  (once White Russia) (UN) 375			kn	Saint Kitts and Nevis  (UN) 1869				
by	Belize (formerly British Honduras)  (UN) 501			lc	Saint Lucia  (UN) 1758				
	British Indian Ocean Territory (Chagos Islands)  246			pm	Saint Pierre and Miquelon 508				
io	British Virgin Islands  1284								
vg	Virgin Islands  1284								
		ga	Gabon (UN) 241						
		gb	Great Britain (ISO3166 only) 44						
		gd	Grenada  (UN) 1473						
		ge	Georgia  (UN) 995						
		gf	French Guiana, Guernsey (Channel Island)  44						
		gg	Ghana (UN) 233						
		gh	Gibraltar  350						
		gi	Greenland  299						
		gl	Gambia, The (UN) 220						
		gm	Guinea (formerly French Guinea) (UN) 224						

ca	Canada  (UN) 1	gp	Guadeloupe  590	ma	Morocco (UN) 212	vc	Saint Vincent and The Grenadines  (UN) 1784	va	Vatican City State (Holy See) 379
cc	Cocos Islands (Keeling)  61,672	gq	Guinea, Equatorial (formerly Spanish Guinea) (UN) 240	mc	Monaco (UN) 377	ws	Samoa (formerly Western Samoa) (UN) 685	va	Saint Vincent and The Grenadines  (UN) 1784
cd	Congo, Democratic People's Republic (formerly ZR) (formerly Belgian Congo) (UN) 243	gr	Greece (UN) 30	md	Moldova (once part of RO) (UN) 373	za	South Africa (Zuid Africa) (UN) 27	ve	Venezuela (UN) 58
cf	Central African Republic (formerly Ubangi-Shari) (UN) 236	gs	Georgia, South, and The South Sandwich Islands  243	mg	Madagascar (UN) 261	gs	South Georgia and The South Sandwich Islands  34	vg	Virgin Islands, British  1284
cg	Congo, Republic of (once French Congo) (UN) 242	gt	Guatemala (UN) 502	mh	Marshall Islands  (UN) 692	es	Spain (España) (UN) 34	vi	Virgin Islands, US  1340
ch	Switzerland (Schweiz in German) 41	gu	Guam  1671	mk	Macedonia (UN) 389	lk	Sri Lanka (formerly Ceylon) (UN) 94	vn	Viet Nam (formerly North and South Vietnam) (UN) 84
ci	Côte d'Ivoire (Ivory Coast) (UN) 225	gw	Guinea-Bissau (formerly Portuguese Guinea) (UN) 245	ml	Mali (formerly French Sudan) (UN) 223	ch	Switzerland (Schweiz in German) 41	vu	Vanuatu (formerly New Hebrides) (UN) 678
ck	Cook Islands  682	gy	Guyana (formerly British Guiana) (UN) 592	mm	Myanmar (formerly Burma) (UN) 95	cn	Côte d'Ivoire (Ivory Coast) (UN) 225	wf	Wallis and Futuna Islands  681
cl	Chile (UN) 56	de	German Democratic Republic (East Germany) (now Germany) 49	mn	Mongolia (UN) 976	co	Colombia (UN) 57	ws	Western Samoa (now Samoa) (UN) 685
cm	Cameroon (UN) 237	dd	Germany (Deutschland) (formerly East and West Germany) (UN) 49	mo	Macau 853	cr	Costa Rica (UN) 506	eh	Western Sahara (disputed by (formerly Spanish Sahara) 212
cn	China (UN) 86	de	Hong Kong (administration of CN) 852	mp	Mariana Islands, Northern  1670	cs	Czechoslovakia (now CZ and SK) 42	ye	Yemen (UN) 967
co	Costa Rica (UN) 506	de	Honduras (UN) 504	mq	Martinique  596	cu	Cuba (UN) 53	yt	Mayotte Island  269
cv	Cape Verde Islands (UN) 238	de	Hrvatska (Croatia)  (UN) 385	mr	Mauritania (UN) 222	cy	Cyprus (UN) 357	yu	Yugoslavia ((Serbia and Montenegro)) (formerly included BA, HR, MK, SI) (UN) 381
cx	Christmas Island  61,672	de	Hungary (Magyarország) (UN) 36	ms	Montserrat  1664	cz	Czech Republic (formerly part of CS) (UN) 420		
cy	Cyprus (UN) 357	de	Holy See (Vatican City State) 379	mt	Malta (UN) 356	ca	Canada  (UN) 1		
cz	Czech Republic (formerly part of CS) (UN) 420			mu	Mauritius (UN) 230	cc	Cocos Islands (Keeling)  61,672		
kh	Cambodia (formerly Kampuchea) (UN) 855			mv	Maldives (UN) 960	cd	Congo, Democratic People's Republic (formerly ZR) (formerly Belgian Congo) (UN) 243		
ky	Cayman Islands  1345			mw	Malawi (formerly Nyasaland) (UN) 265	cc	Cocos Islands (Keeling)  61,672		
td	Chad (Tchad) (UN) 235			mx	Mexico (UN) 52	cc	Cocos Islands (Keeling)  61,672		
kml	Comoros Islands (UN) 269			my	Malaysia (UN) 60	cc	Cocos Islands (Keeling)  61,672		
				mz	Mozambique (UN) 258	cc	Cocos Islands (Keeling)  61,672		
				yt	Mayotte Island  269	cc	Cocos Islands (Keeling)  61,672		
				fm	Micronesia (Caroline Islands) (UN) 691	cc	Cocos Islands (Keeling)  61,672		

Croatia  
hr (Hrvatska)  
 (UN) 385

Zuid Africa  
(South  
Africa) (UN)  
27  
Zambia  
(formerly  
Northern  
Rhodesia)  
(UN) 260  
Zaire (now  
CD) 243  
Zimbabwe  
(formerly  
Southern  
Rhodesia)  
(UN) 263

## Appendix D Glossary

### A

#### **AAC**

Also called MPEG-4 AAC, this audio codec is the continuation of the MP3 codec created by Fraunhofer-Gesellschaft. Due to advances in the technology, AAC files encoded at a 96 kbps bit rate sound slightly better than MP3s encoded at 128 kbps.

#### **AC3**

Audio Codec 3. This was the original and more technical name for Dolby Digital. Some RF modulated, 5.1-encoded laser discs were labeled as AC3.

#### **AMR**

Adaptive Multi Rate is a high data rate service and transmission principle for 3G cell phones and networks.

#### **ASF**

Advanced Streaming Format (formerly Active Streaming Format). A Microsoft file and data stream format for multimedia data including audio, video, still images, and other data types. Also referred to as Windows Media format.

#### **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 very often used when speaking of video or audio quality and file size -- 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 Magic Video Converter 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. They 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.

## **G**

### **3GP**

3gp is a file format which is used in mobile phones to store media (audio/video). This file format is a simpler version of "ISO 14496-1 Media Format". MOV (used by QuickTime) is also a format which follows similar file format. This format can only carry video encoded as MPEG-4 or H.263. Audio is stored in AMR-NB or AAC-LC formats.

## **I**

### **.IFO file**

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

## **M**

### **MOV**

A QuickTime movie can actually be used to store both movies and sounds. A file with this extension could thus be either an audio file or a movie file. Both types are supported by many different platforms. Note though that there are several different versions of QuickTime files in use, and not all players will play all versions.

### **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.

## O

### Options

#### Audio Options

`-ar freq'

Set the audio sampling frequency (default = 44100 Hz).

`-ab bitrate'

Set the audio bitrate in kbit/s (default = 64)

`-ac channels'

Set the number of audio channels (default = 1).

`-an'

Disable audio recording.

`-acodec codec'

Force audio codec to codec. Use the copy special value to specify that the raw codec data must be copied as is.

#### Video Options

`-b bitrate'

Set the video bitrate in kbit/s (default = 200 kb/s).

`-r fps'

Set frame rate (default = 25).

`-s size'

Set frame size. The format is `wxh' (default = 160x128).

`-aspect aspect'

Set aspect ratio (4:3, 16:9)

`-vcodec codec'

Force video codec to codec. Use the copy special value to tell that the raw codec data must be copied as is.

#### Audio / Video Grab Options

`-vd device'

Set video grab device (e.g. `/dev/video0').

`-vc channel'

Set video grab channel (DV1394 only).

`-tvstd standard'

Set television standard (NTSC, PAL (SECAM)).

`-dv1394'

Set DV1394 grab.

`-ad device'

Set audio device (e.g. `/dev/dsp').

## R

### RM

RealMedia is a digital sound and video file format that is the registered trademark of RealNetworks. This format is typically used to stream media through the net. It can be played with the RealOne player or with other media players using the Real Alternative codec.

## S

### **Sample Rate**

The speed at which audio samples are recorded and played back. This is analogous to video and film frame rates. Higher sample rates give higher audio quality at the expense of larger audio file size. Lower sample rates save disk space but result in poorer audio quality. Typically, 8 kHz is fine for human voice recording. Audio CDs are recorded at 44.1 kHz, and audio DATs are recorded at 32, 44.1, or 48 kHz.

### **SVCD**

SVCD is Super Video CD, a great method to save DVD movie to CD without losing much quality. SVCD discs can be played in your DVD player.

### **SWF**

The SWF graphic file format is a version of the Macromedia Flash Player vector-based graphics format introduced in 1997. The SWF file format is ideal for presenting vector-based interactive and animated graphics with sound for the Web.

## V

### **VOB**

A data file used in the DVD Video format to deliver video, audio, and graphics.

## W

### **WAV**

A digitized sound file format for Microsoft Windows, which has ".wav" as the file name extension. Most pre-mastering software will extract CD (CD-audio) tracks and write them to the hard disk as a Wav file. Wav files can have various qualities of sound depending on how they are created or saved, but the most common is 44,100 Hz, 16 bit, stereo (equivalent to audio track on CD).

### **WMV**

Windows Media Video (WMV) is a generic name for the set of proprietary streaming video technologies developed by Microsoft. It is part of the Windows Media framework.

## 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 places. 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".

## About Magic

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

As a shareware developer of multi-media authoring solutions, Magic takes the lead in this domain. We have professional experience in the execution of our policy - Think as A Customer. This gives us the idea to create reliable and easy-to-use software for you.

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

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#### Magic Video Converter

Product ID: : 300094650



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