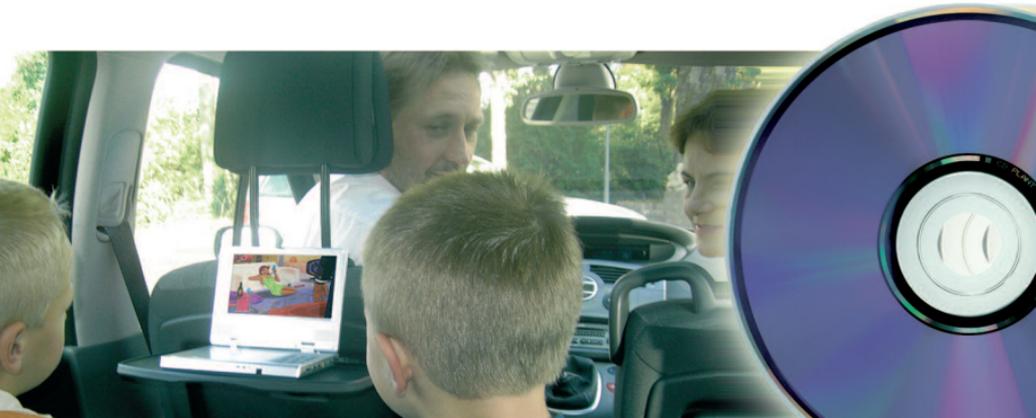


New release by the pioneers of DVD-copy software

# DVD2one

Excellent fast copies  
of your DVDs\*

For Mac & PC





# DVD2one

**Excellent fast copies  
of your DVDs\***

**For Mac & PC**

# DVD2one

Excellent fast copies of your DVDs\*

## DVD2ONE USER MANUAL

*Dear customer,*

Congratulations, you have just bought one of worlds fastest movie compression engines. From this moment you can make excellent fast copies of your DVDs. With DVD2one you make backup copies to protect your movie and music collection from damage and loss. DVD2one was the first software worldwide which made high quality copies of DVDs. You can use DVD2one on both a PC and Mac OS-X and release of future updates will be synchronous for both platforms. The new engine is completely rewritten for multi-processor support and is future ready for upcoming dual-processor cores.

One of the unique characteristics of DVD2one is the excellent compression engine. You choose 'best quality' mode for best possible image quality while retaining highest possible speed. Or you choose 'fast' mode for fastest possible processing.

*DVD2one Team*



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# 1. INSTALLATION GUIDE

## GENERAL SYSTEM REQUIREMENTS

One of the benefits of DVD2one is that you can use it both on a Mac or PC. Here you find the minimal requirements.

### MAC OS-X



#### *System requirements Apple macintosh:*

- Mac OS version 10.3.9 or later
- G3 or higher, Intel
- DVD recorder drive
- Minimum free space on harddisk 12 Gb

### PC



#### *System requirements Windows:*

- Windows 2000/XP
- Intel compatible computer Pentium III or higher
- DVD recorder drive
- Minimum free space on harddisk 12 Gb

## INSTALLATION

### *For PC*

You can set up DVD2one without using the installation program.

#### *Carry out the following steps:*

1. Close all programs and deactivate any anti-virus software which may be running.
2. Insert the DVD2one CD into the CD/DVD drive.
3. An installation wizard appears, read the text and click on 'next'.
4. Choose install location: DVD2one will automatically select a folder for you, or you can choose the folder.
5. Click install.

After the installation is ready you can start DVD2one. A license agreement is shown to you. If you accept these terms you can start enjoying DVD2one.

### *For Mac OS-X*

1. Close all programs and close (deactivate) any anti-virus software which may be running.
2. Insert the DVD2one CD into the CD/DVD drive.
3. Click on the icon which appears on your desktop.
4. Place the program in the right folder, e.g. in your application folder or on the desktop.
5. Double click on icon to start program.

### *For Mac and PC: First start up.*

1. Double click on the icon to start DVD2one.
2. The license agreement screen appears. Read the license agreement and click on 'agree' to continue.
3. The preference screen will appear. Here you can change the language of the user interface if necessary. Click 'ok' to continue.
4. The license code screen will appear. Select 'Retail Version' and fill in the license code which you will find on the back of the booklet. Click 'Register' to continue.
5. Installation is completed.



## 2. DVD2ONE QUICK GUIDE

### 2.1 INTRODUCTION

Most DVDs are protected and need to be deprotected before you can process them with DVD2one. Since deprotecting DVDs can be against the law in your country, this part is not included in DVD2one. Programs to do this are widely available on the internet.

#### *Step 1 – File set on your harddisk (source directory)*

- Ensure that the file set on your hard drive is exactly the same as on your DVD. The number of files and the size of the files should be the same as on the original.
- Ensure that all options are disabled, so for instance do not enable Multi Angle Processing!
- Do not merge the vob\* files to one big file, keep them separate.

#### *Step 2 - Process and burn*

On the start screen of DVD2one you can select which mode you want to use:

1. Full disc copy.
2. Movie-only or join mode.
3. Audio Remaster.

\* see definitions chapter 4



## 2.2 FULL DISC COPY

After selecting Full disc copy mode, DVD2one will show a directory requester and ask for the source directory (file set of the movie).

After selecting the source directory the main screen is shown. Here you can see a summary of your project and change options if necessary.

DVD2one already automatically initializes all options based on your preferences (see chapter 3). When you want to make changes, just use the tree view on the left by clicking on the options and navigate through the different option screens.

- Selecting *Disc Copy* in the tree view will show you the total overview of your disc copy project.
- Selecting *Settings* in the tree view will show you the settings of the disc copy project.

### *Output:*

Select the Output size of your choice or enter your own size.

### *Compression mode:*

1. Fast optimized for speed: fastest mode.
2. Best quality: best possible quality.
  - Automatic (default): DVD2one will select the compression ratio for you.
  - Low: compression for small sized movies.
  - Medium: compression for medium sized movies.
  - High: compression for large sized movies.



- Selecting *Source* in the tree view will show you the source location of the disc you are copying. If you want to choose another source folder click on the 'Select' button and select the new source folder.
- Selecting *Audio* in the tree view will show you the audio tracks available for your source disc. DVD2one has automatically initialized the audio selections based on your preferences (see chapter 3). You can make changes to the selection if you want to.

When the configuration is correct, you can start processing. Depending on your settings of the burning options in the preferences, 2 additional requesters will be showed:

- When the output type is set to 'Ask before processing', the burning options screen of the preferences is shown.
- If necessary a directory requester is shown to select the destination directory for the fileset or image.

When the output type is set to 'burn', DVD2one will ask for a blank recordable or rewritable disc to be inserted in your dvd-recorder. This will not happen when the dvd-recorder is used as source drive (with an unprotected original) or when there is already a writable disc in the drive.

## 2.3 MOVIE ONLY COPY OR JOIN MODE

After selecting Movie-only or join mode, DVD2one will show a directory requester and ask for the source directory (file set of a movie).

After selecting the source directory the main screen is showed. Here you can see a summary of your project and change options if necessary.

DVD2one already automatically initializes all options based on your preferences (see chapter 3). When you want to make changes, just use the tree view on the left to navigate through the different option screens.

- Selecting *New DVD* in the tree view will show you the total overview of your new dvd project.

- Selecting *Settings* in the tree view will show you the settings of the new dvd project.

*Output:* Select the Output size of your choice or enter your own size.

### *Compression mode:*

1. Fast optimized for speed: fastest mode.
  2. Best quality: best possible quality.
    - Automatic (default): DVD2one will select the compression ratio for you.
    - Low: compression for small sized movies.
    - Medium: compression for medium sized movies.
    - High: compression for large sized movies.
- Selecting *Title 1* in the tree view will show you the overview of the chosen title.  
\*\*
  - Selecting '*Title*' in the tree view will show you the titles that are available in your source disc.

DVD2one has automatically selected the main movie. You can make changes to the selection if you want to copy another title. Select the angle you want to copy.

- Selecting *Source* in the tree view will show you the source location of the disc. If you want to choose another source folder click on the 'Select' button and select the new source folder.
- Selecting *Audio* in the tree view will show you the audio tracks available in the selected title. DVD2one has automatically initialized the audio selections based on your preferences. You can make changes to the selection if you want to. If you double click on one of the audio track the selected audio track will made the default audio track.
- Selecting *Subtitles* in the tree view will show you the subtitle tracks available in the selected title. DVD2one has automatically initialized the subtitle selections based on your preferences. You can make changes to the selection if you want to. If you double click on one of the subtitle track the selected subtitle track will made the default audio track.

- Selecting **Cells** in the tree view will show you the cells that are available in the selected title. You can change the list view mode by choosing 'Cell', 'Chapter' or 'Layer' from the combobox. Select the cells you want to copy (default all).

Clicking on the **PLUS (+)** button on the bottom of the screen will add a title to the project. Repeat from \*\*

Clicking on the **PLUSPLUS (++)** button on the bottom of the screen will add a seamless title to the project. With a seamless title the audio and subtitle selection are copied from the 'Master' title. Repeat from \*\*

When the project is correct, you can start processing. Depending on your settings of the burning options in the preferences, 2 additional requesters will be showed:

- When the output type is set to 'Ask before processing', the burning options screen of the preferences is shown.
- If necessary a directory requester is shown to select the destination directory for the fileset or image.

When the output type is set to 'burn', DVD2one will ask for insert a blank recordable or rewritable disc to be inserted in your dvd-recorder. This will not happen when the dvd-recorder is used as source drive (with an unprotected original) or when there is already a writable disc in the drive.



## 2.4 AUDIO REMASTER

After selecting Audio remaster mode, DVD2one will show a directory requester and ask for the source directory.

After selecting the source directory containing audio files, the main screen is shown. Here you can see a summary of your project and change options if necessary. DVD2one already automatically initializes all options based on your preferences. When you want to make changes, just use the tree view on the left to navigate through the different option screens.

- Selecting **Settings** in the tree view will show you the settings of your NEW AUDIO DVD

### Video Mode

- **PAL:** The TV system used in Europe and Australia.  
625 lines by 50Hz.
- **NTSC:** The TV system used in United States, Canada and Japan.  
525 lines by 60Hz.

Since an Audio DVD is in fact a DVD-Video disc, it needs to include a video stream. Although the image is not used (black image) and all DVD players support both systems, the video mode can be important when you want to see the onscreen display used by the DVD player to display title, track and time information. It is recommended that you choose the mode that is used in your country, or the system that matches closest.

### On disc insert

- **Stop:** This matches normal CD behaviour, which does not automatically play when you insert a disc.
- **Play first album:**  
This matches normal DVD behaviour, which automatically starts playing.

### Volume name

This is the name that will be used as DVD name.



- Select the *Output* size of your choice or enter you own size.  
\*\*
- Selecting *Album* in the tree view will show you the overview of the chosen album.
- Selecting *Settings of Album* in the tree view will show you the Album settings:

### *Encoding mode*

- **PCM:** Pulse Coding Modulation
  - The same system as used on CD.
  - CD uses 44.1kHz 16 bits, DVD-Video uses 48/96kHz 16/20/24 bits.
- **MP1:** MPEG-1 Layer 1
  - This system was originally designed for use on Philips DCC (Digital Compact Cassette).
  - The goal was to obtain at least CD quality, with a compression factor of 4.
  - Recommended bit rate: 384 kbps.
  - Warning: Might not work on all DVD players, first test this mode with a rewritable disc.
- **MP2:** MPEG-1 Layer 2
  - This system was originally designed for use on the Video-CD.
  - The goal was to obtain near CD quality with a lower bit rate then with MP1.
  - Recommended bit rate: 224 kbps.

DVD-Video does not support MP3, simply because this is not part of the specification.

### *Video Stream*

- **Full stream**
  - Recommended to use with PCM mode.
  - The most compatible video stream, should work with all DVD players.
  - All player functions are enabled.
  - Disadvantage: takes quite some space in the stream, therefore not really suitable for MP1 or MP2 mode.
- **One frame per GOP**
  - Recommended for use with MP1 or MP2 mode when 'one frame per song' does not work.
  - Might not work on all DVD players, first test this mode with a rewritable disc.

- Fast forward and rewind functions will not work.
- Disadvantage: takes quite some space in the stream, but less than 'full stream' mode.
- *One frame per song*
- Recommended for use with MP1 or MP2 mode.
- Might not work on all DVD players, first test this mode with a rewritable disc.
- Fast forward and rewind functions will not work.
- After stop and resume, the time on the DVD player display might not work until the next song.
- Advantage: takes almost no additional space in the stream.

### *Psycho Acoustic Model*

#### • *1 Musicam*

- Simple tonal and noise masking threshold generator.
- Recommended for lower complexity applications like MP1.

#### • *2 AT&T*

- More sophisticated cochlear masking threshold generator.
- Gives better subjective quality at low bit rates, therefore recommended for MP2.

### *Artist and Album name*

The name of the Artist and the album name. These are automatically extracted from the source folder if the option *Decode Artist and Album names* is enabled in the preferences.

- Selecting *Songs* in the tree view will show you the overview of the songs of the chosen album.

If you click on the *PLUS(+)* button in the songs view you can add more songs to the songlist. If you want to remove some songs from the list just select the songs you want to remove and click on the *MINUS(-)* button.

Clicking on the *PLUS(+)* button on the bottom of the screen will add an empty Album to the project. Repeat from \*\*

Clicking on the *PLUSPLUS(++)* button on the bottom of the screen you will be asked to select a source folder containing audio files. Doing so will add an Album to the project. Repeat from \*\*

## 3. PREFERENCES

### 3.1 USER INTERFACE

For user interface click 'File' and select 'Preferences'.

#### *Language*

Here you can set the language of the User Interface.

#### *Use fixed destination folder*

When this option is enabled, the folder in the textbox below will be used as output folder. This folder can be selected by clicking on the Select button. When this option is disabled, DVD2one will display a directory requester to select the output folder before processing is started.

#### *Disable automatic resize of table columns*

Most of the screens in DVD2one use a 'table views' to display data like audio tracks, subtitles and chapters. Unfortunately the automatic resize function of the Operation System does not always resize the columns of a 'table view' conveniently. With this option you can disable the automatic resizing, and all 'table views' will use a predefined column width.



### 3.2 BURNING

#### *Output type*

- *Fileset*

DVD2one will output a dvd-video compliant fileset; a set of IFO, VOB and BUP files\*. This is the same set of files that DVD2one takes as input. With a fileset you can directly play the movie from your harddrive with a movieplayer.

- *Image*

DVD2one will output only 1 file; a ready to burn dvd imagefile. This file contains the same dvd-video compliant fileset as mentioned above, plus ISO9660 and UDF1.02 directory structures. \* see definitions chapter 4



An image file can easily be used to save time if you want to make more than one copy of a fileset.

- ***Burn***

DVD2one will create an image file as mentioned above and will burn it directly and automatically to a DVD-recordable or rewritable disc after processing.

- ***Ask before processing***

DVD2one will bring up a screen as you click the process button. You can then select what kind of output you want.

### ***DVD name***

This is the name that is given to the output. When the output is a fileset, it will be the name of the directory in which the fileset is stored. When the output is an image, it will be the name of the image file itself as well as the volume name of the dvd when the image is burned on a recordable or rewritable.

### ***Image location***

This option is only used when the output type is set to burn (see above).

- ***Use temporary***

DVD2one will put the imagefile in the temporary folder and will delete it after burning is completed.

- ***Select destination***

DVD2one will ask you where you want to put the imagefile, just like it will do when the output type is set to image. After burning the image-file is not deleted, so that you can burn it again.

### ***DVD recorder***

Here you can select which dvd recorder DVD2one has to use for burning in case you have more than 1 recorder.

### ***Erase RW-media***

When you insert a rewritable disc, DVD2one will detect whether the disc is empty or already used before.

- *Erase always*

The disc will be overwritten without asking, even when it already contains data.

- *Ask*

When the disc is not empty, DVD2one will ask whether the data on this disc may be overwritten.

### *DVD name from source*

When this option is enabled, the DVD name will be taken from the pathname of the source. This will be the name the last subdirectory, or the name of its parent directory when the last subdirectory is called VIDEO\_TS.

### *Eject media when finished*

When this option is enabled, DVD2one will eject the disc automatically after a successful burn.

## 3.3 DEFAULT AUDIO SELECTION

In this section of the preferences you can select which audio tracks DVD2one has to select automatically in movie-only, join and full disc copy mode. Just select the language and type, and click the > button to add this combo to the list. You can remove entries with the X button. Double clicking on a row will force the selected audio track to be played when you start the movie. This forced audio track is marked with a \* behind the language.

### *Language*

This option selects the language of the audio track you want to select automatically. The list contains all languages that can be available on a DVD. However, one title on a DVD is limited to a maximum of 8 different languages.

### *Type*

This option selects what type of audio track you want to select automatically.



- **Any type**

The type of audio track is ignored.

- **AC3 multichannel**

This will only select AC3 5.1 audio tracks. This type is usually the main audio track and backward compatible with stereo playback. This is the recommended type.

- **AC3 stereo**

This will only select 2 channel AC3 tracks. Useful when you only have stereo audio equipment and want to save extra disc space for the video. Also commentary tracks are usually of this type.

- **DTS multichannel**

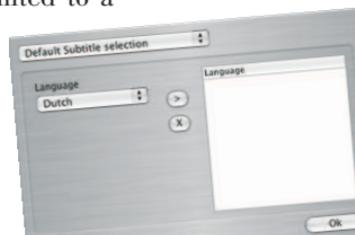
This will only select DTS tracks, which are always in multichannel format on DVD. DTS is considered to have the best audio quality, but you can only use it when your audio equipment supports DTS.

### 3.4 DEFAULT SUBTITLE SELECTION

In this section of the preferences you can select which subtitle tracks DVD2one has to select automatically in movie-only and join mode. Just select the language and click the > button to add this language to the list. You can remove entries with the X button. Double clicking on a row will force the selected subtitle track to be enabled when you start the movie. This forced subtitle track is marked with a \* behind the name of the language.

#### Language

This option selects the language of the subtitle track you want to select automatically. The list contains all languages that can be available on a DVD. However, one title on a DVD is limited to a maximum of 32 different languages.



## 3.5 AUDIO REMASTER

### *Decode Artist and Album names*

- **Disabled**

Artist and album names are not automatically filled in for an album.

- **From directory path of songs**

The artist and album names are extracted from the directory path of the filenames of the songs. This is possible because iTunes organises its files in subdirectories per artist and subdirectories per album. Also on the PC you can instruct audiograbbers like CDeX and ExactAudioCopy to organise the music this way. DVD2one supports the following 2 formats (# is an optional song index):

Artist/Album/# Song : This is the format iTunes uses, with 2 subdirectories.

Artist - Album/# Song : This format has only 1 subdirectory.

Example for the Mac:

~/Music/iTunes/iTunes Music/Yettobe-  
discovered/Goodalbum/Notrack.m4a



## 3.6 GRID MASTER

In this section of the preferences you can select which computers DVD2one can use as slaves in movie-only, join and full disc copy mode. Just enter the hostname of the slave computer and the TCP/IP port number to connect to, and click the > button to this computer to the list. You can remove entries with the X button.

### **Grid Enabled**

When this option is enabled, DVD2one will connect through the network to all computers in the list.



### *Hostname*

Here you have to fill in the name or IP address of the computer you want to add to the slave list. You can find the hostname and IP address of the slave on the 'Grid Slave' screen in the preferences on the slave computer.

### *Port number*

Here you have to fill in the TCP/IP port number on which the slave computer is 'listening'. This number has to match with the value that is filled in section 'Grid Slave' on the slave computer.

## **3.7 GRID SLAVE**

This screen shows, besides slave specific options, also the hostname and IP address of this computer. You can use this information to add this computer as slave to the master computer.

### *Auto start in grid slave mode*

When this option is enabled, DVD2one will startup in slavemode when your computer boots.

### *Port Number*

This is the TCP/IP port number at which DVD2one will listen in slavemode. The master computer must connect to the same port number to be able to connect to this computer.



## 4. DEFINITIONS

**VOB:** Video OBjects. In these files video and audio tracks are stored. Also subtitles and extras as audio comment of the director or multi-angle camera view points are stored.

**IFO:** InFOrmation files includes the menu-information of the dvd when a new chapter is started and how you can navigate to the extras.

**BUP:** BackUP files: backup of the IFO-files.



## 5. SERVICE

### 5.1 SERVICE UPDATES

At [www.dvd2one.com](http://www.dvd2one.com) there will be regular updates for the program. We recommend that you check regularly.

### 5.2 SUPPORT & TROUBLESHOOTING

For support and help please check our website [www.dvd2one.com](http://www.dvd2one.com)

### 5.3 TROUBLESHOOTING BURNING

In case of problems or error messages during the burning phase of DVD2one, the following can be done:

#### *For Mac & PC:*

Make sure you have the latest firmware installed in your dvd writer. Especially new drives may have bugs in the firmware which can lead to problems with DVD2one. You can find new firmwares on the website of the manufacturer of your dvd writer. If you already have the latest firmware installed, then contact the manufacturer of your dvd writer and report the problem. DVD2one can write to any MMC-3 compliant dvd writer, so in case of problems the dvd writer most likely does not conform 100% to the MMC-3 standard.

#### *For Mac:*

You can also select 'Image' as output type, and burn the resulting image using Disk Utility (which can be found in the Utilities folder under Applications).

### 5.4 CONTACT INFORMATION

#### *Support & upgrade site:*

[www.dvd2one.com](http://www.dvd2one.com)

#### *Eximius BV:*

P.O. Box 2126  
4460 MC, Goes  
the Netherlands



### Movie-only copy

Ideal for personal use in situations where you do not want to have all the intros, menus and extras. Insert your disc and play the movie! You choose which languages, subtitles and audio defaults you want to copy with the movie.

### Join-mode

Put more than one movie on a single disc, ideal if you are on the move.

### Full-disc copy

Perfect for backing up your DVDs\* including all background information and menus.



This feature remasters CDs to DVD, resulting in Super Audio CD Quality. Just try it and experience your music on a DVD player. On a DVD you can copy up to 2 hours in Super Audio CD quality, up to 6 hours in CD quality or up to 40 hours of music in compressed audio format.



After processing with DVD2one burn your movies and music on a DVD recordable. Makes copies to DVD-R(W) and DVD+R(W).

Use DVD2one to make backup copies to protect your movie and music collection from damage and loss. DVD2one was the first software worldwide which made high quality copies of DVDs\*. It is one of the best and fastest programs to copy DVDs\*. Even the largest DVD fits on one single DVD-recordable, as a result of unique-compression technology. One of the aspects that makes DVD2one unique is that you can use it both on your Mac and PC.

The ease of use of DVD2one makes it simple for anyone to copy a DVD\*. Once you have installed your personal settings, in future it is only one click and run! On our support site [dvd2one.com](http://dvd2one.com) you can download updates and you get technical support. Also you can find the latest information about developments related to DVD2one.

\* only non-protected DVDs

## For Mac & PC



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