



## How to prepare your movies for the upload

### The short version:

You can upload several file formats to our platform. Our platform accepts:

- MPEG 2 files (.mpg or .vob or .mpeg or .ts)
- MPEG 4 files (.mp4)
- Quicktime movies with MJPEG codec, h264 codec or uncompressed (very large!)
- AVI files with MJPEG codec, h264 codec or uncompressed
- DV files either as Quicktime or AVI or as DV stream

The audio shall always be either uncompressed, MP3 or AAC.

The movie has to be one single (multiplexed) file including video and audio tracks.

The film file has to be in deinterlaced or progressive footage. If not your encodings will have some degradation.

The maximum file size shall not exceed **5 Gbyte**.

### More Details:

However, you yield the best results with the h264 video codec as this is currently the codec that reduces the file size the most while remaining the best picture quality possible.

If you know how to deal with compression settings you can also upload 1920x1080 px movies with a data rate up to 30 Mbit, just remember the final file size shall not exceed 5 Gbyte.

If you want to learn more about compression start here:

<http://www.lilfolksproductions.com/lrevGuide.pdf> (little bit outdated, but still a good read)

Or get in to the details here:

<http://library.creativecow.net/tutorials/compressiontechniques>

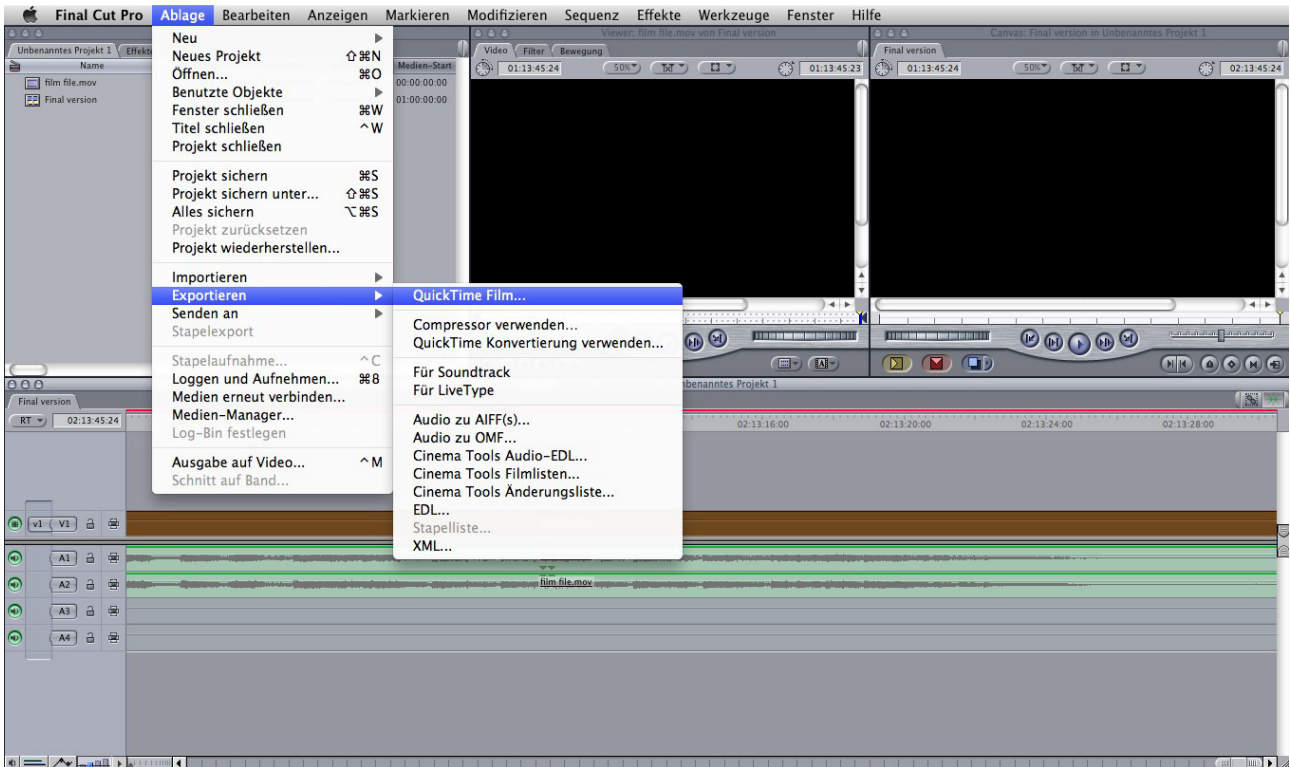
and here:

<http://en.wikipedia.org/wiki/H264>

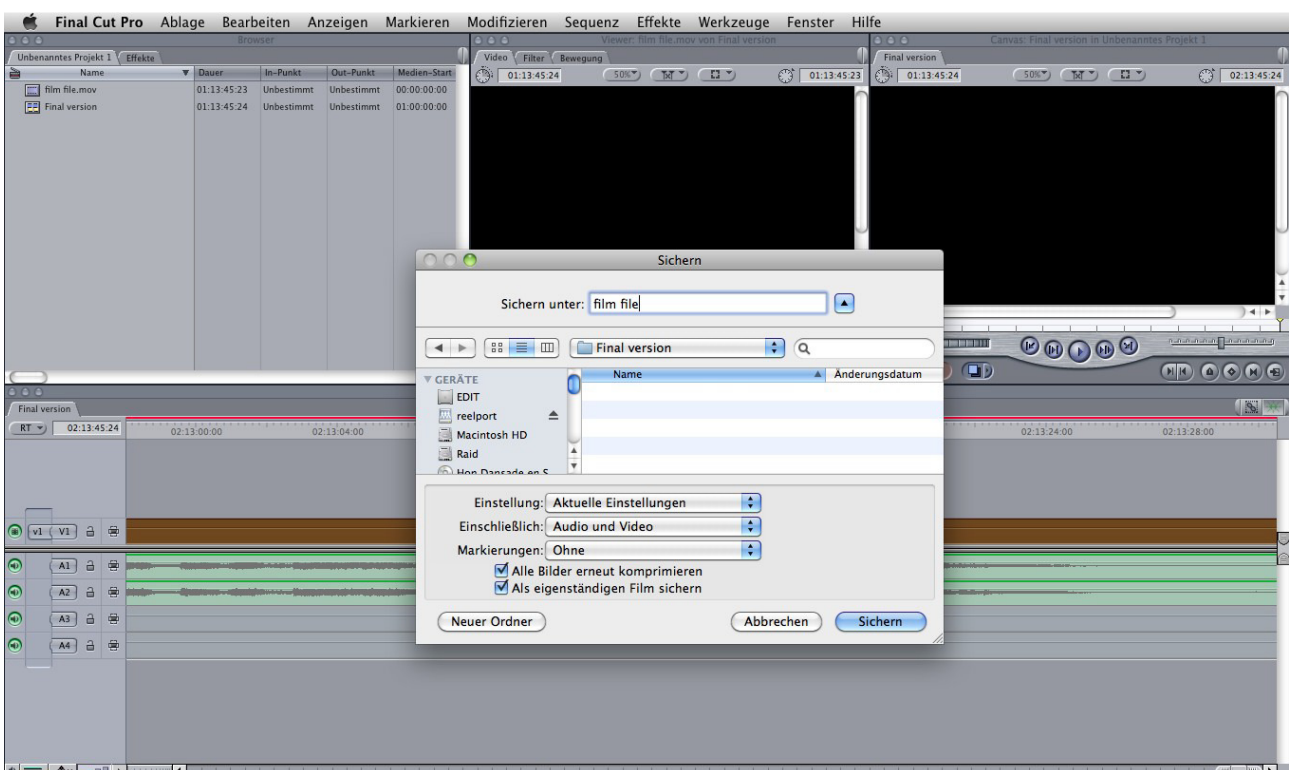


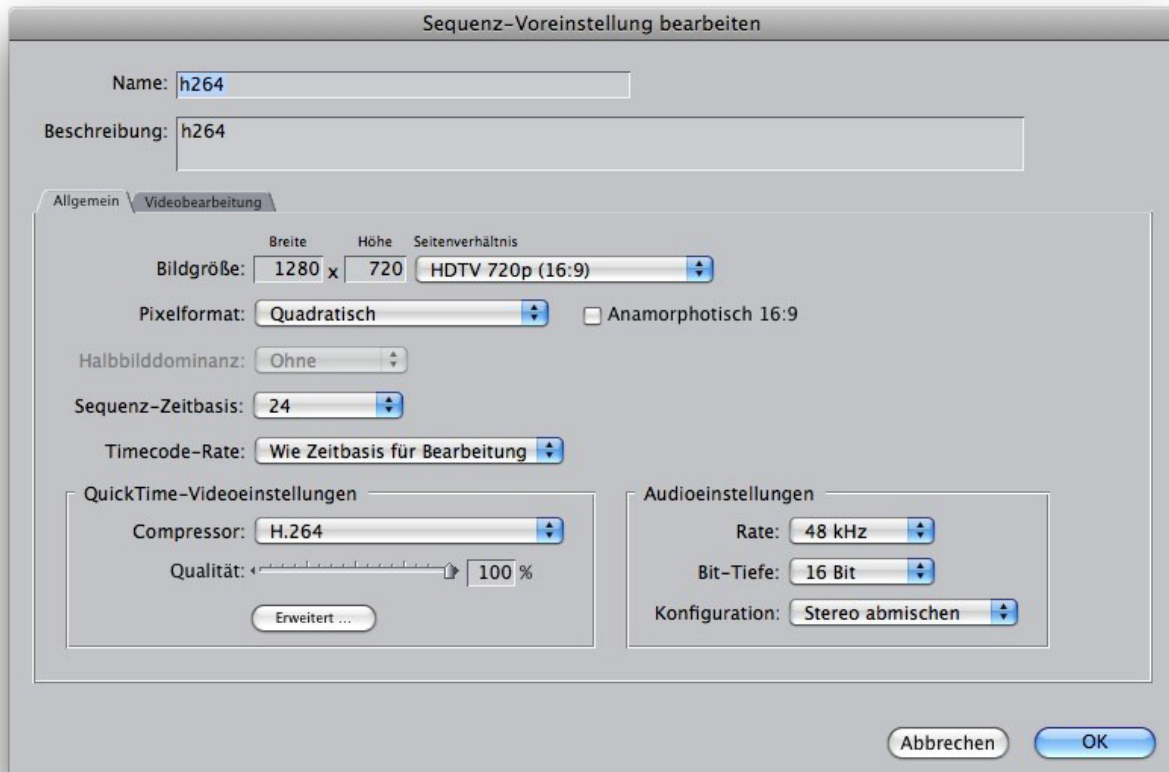
## How to work in Final Cut Pro:

To export your movies from Final Cut Pro:



Export your Sequence as Quicktime movie with the following (custom) settings:

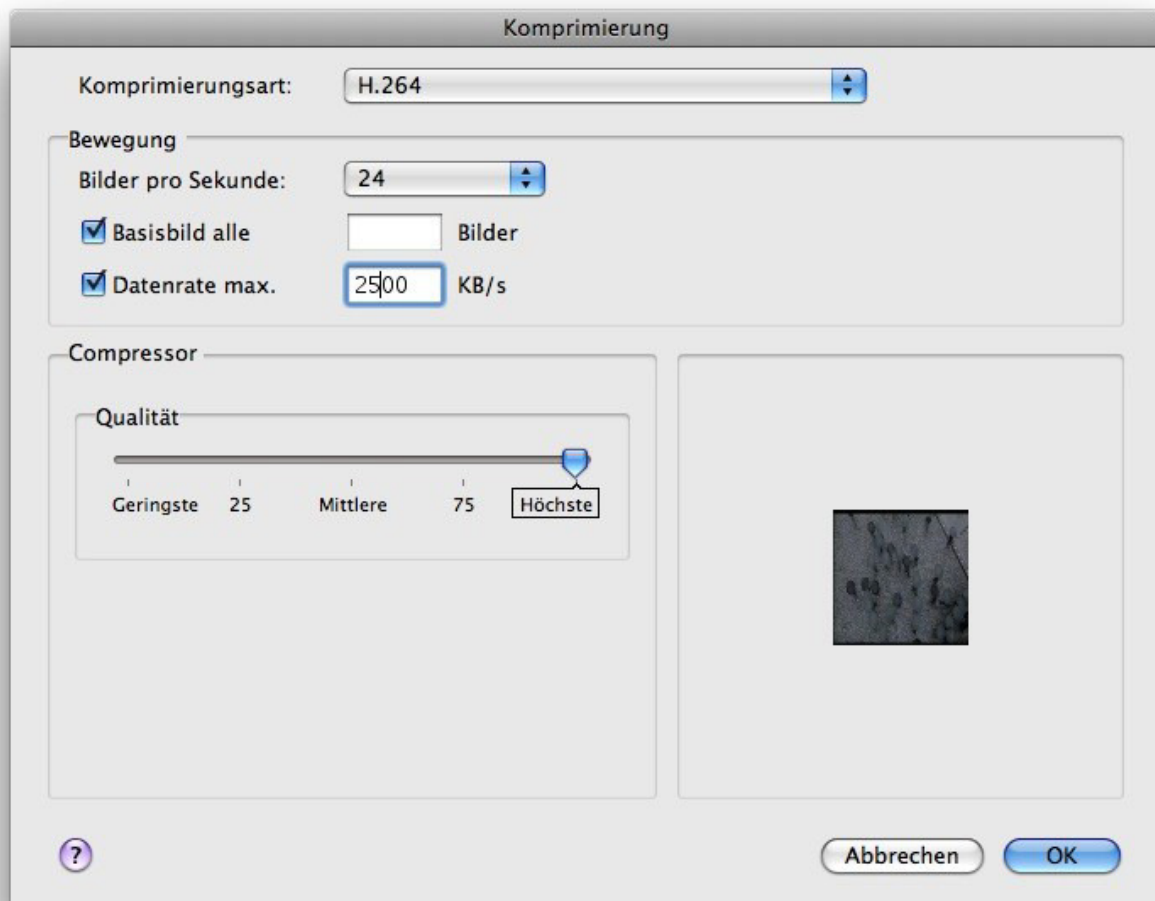




- remember to choose the right pixel amount 16:9->1280x720, 4:3->768x576
- choose quadratic pixel aspect
- no fields
- your native sequence time base (24, 25, or 29,97 according to your project footage)
- timecode base same as working time base
- Compressor/ Codec: h264



Click on options and set the data rate to max 2.500 KBit / sec

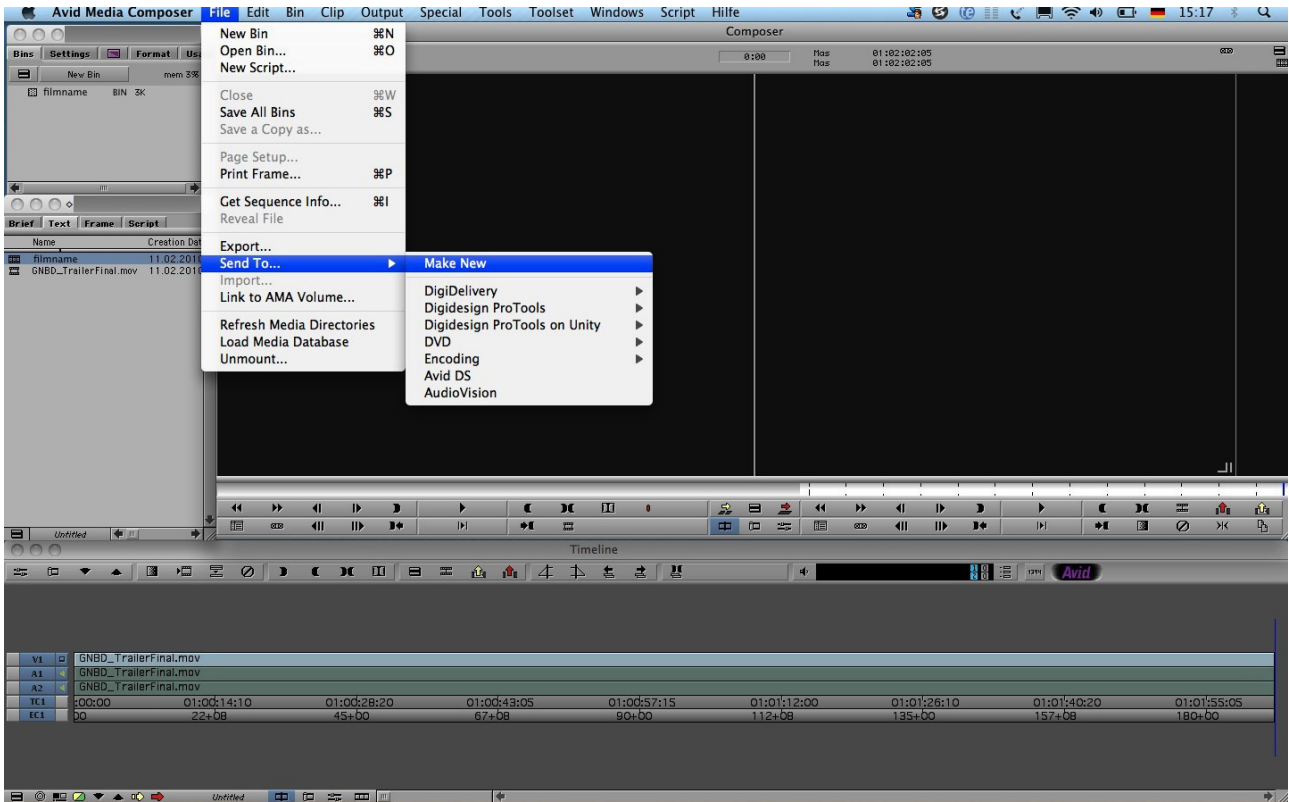


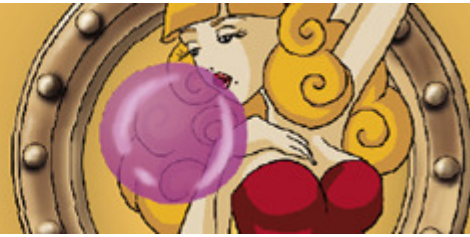
- Audio shall be 48 or 44 khz /16 bit stereo



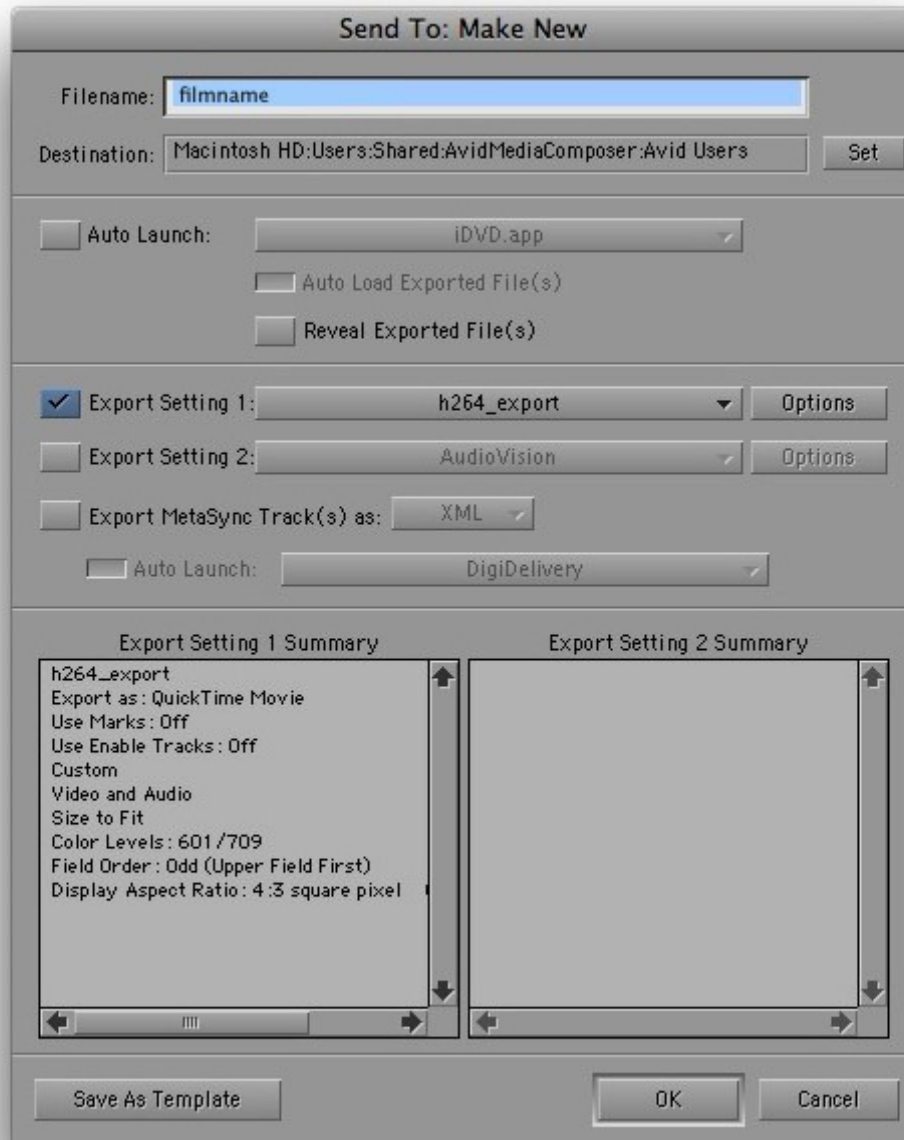
To export your movies from AVID:

Go to "File/ Send to/ Make new"





and create / use the following settings





Export setting 1: Send to QT Movie; go to Options

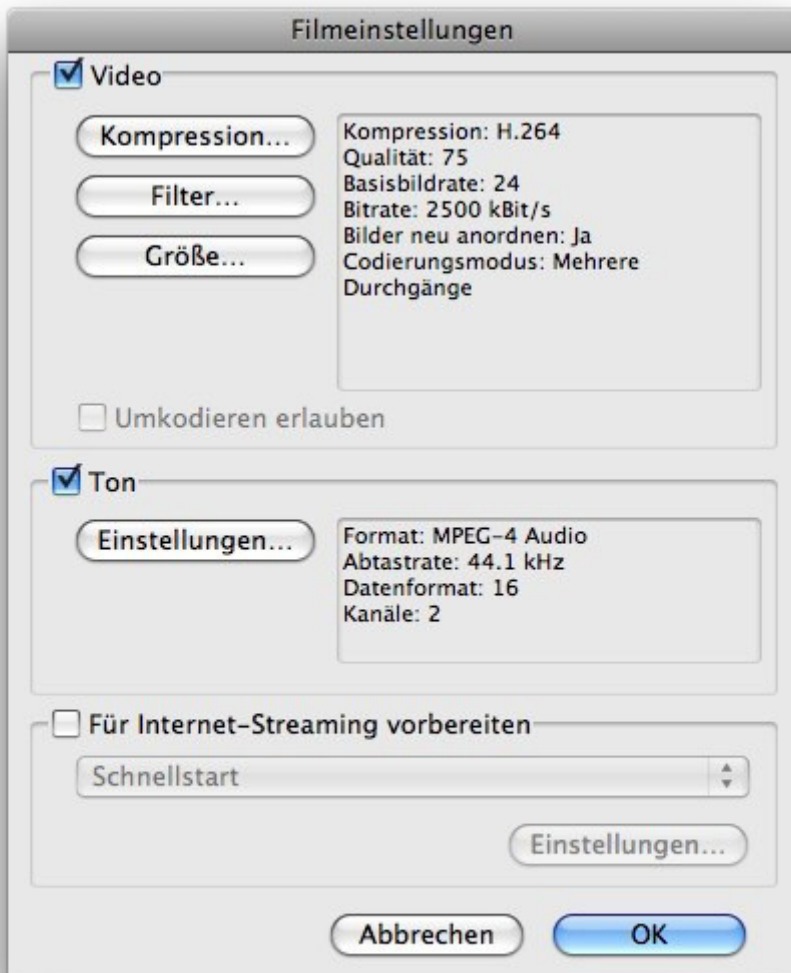


- Export as Quicktime Movie
- Use "Size to Fit"
- adapt Width & Height according to your movie settings
- Choose RGB Color Levels
- Choose Native Dimensions for the Display Aspect Ratio

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INTERNATIONALES  
TRICKFILM FESTIVAL  
**FESTIVAL OF ANIMATED FILM**  
STUTT GART '12  
08. - 13. MAI 2012

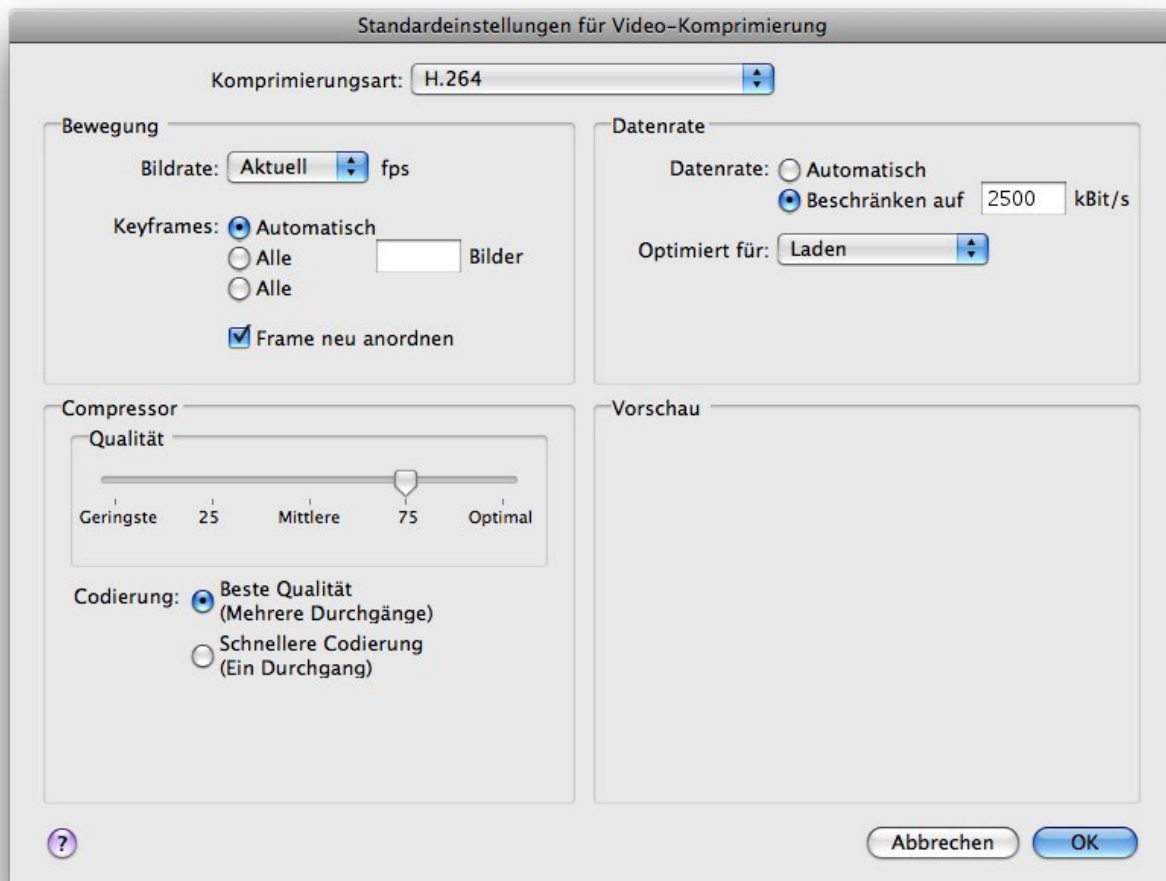


Go to Format Options - enable Video and Audio:





go to Video compression:



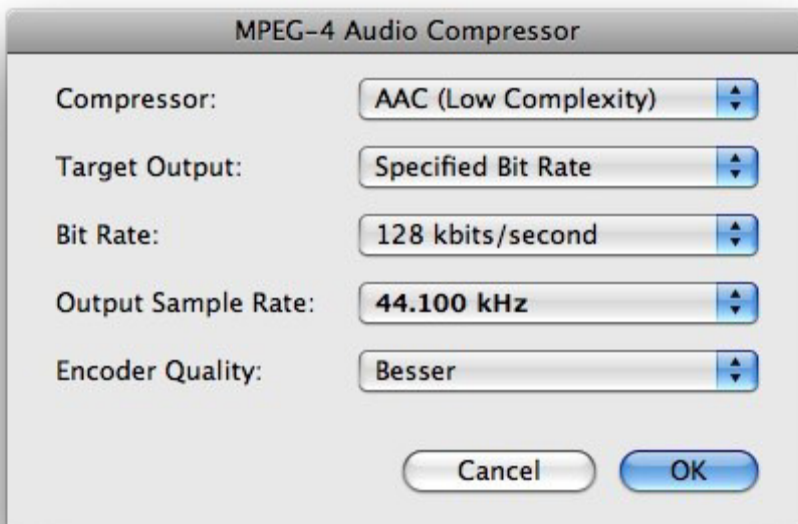
- set the codec to H.264
- choose automatic keyframes
- set the data rate to max 2.500 Kbit per second
- choose "Best quality / multi pass encoding"
- ignore the Quality-slider



Go to Audio Settings and set:



- Compression either none or MPEG-4 Audio
- sample rate 44 or 48 khz
- 16 Bit Stereo
- Options for MPEG-4:



AAC (Low Complexity); Target Output: Specified Bit Rate; Bit Rate: 128 kbits per second; Output sample rate 44 or 48 khz; Encoding quality: better.



## HOW TO PREPARE A DVD FOR UPLOADING

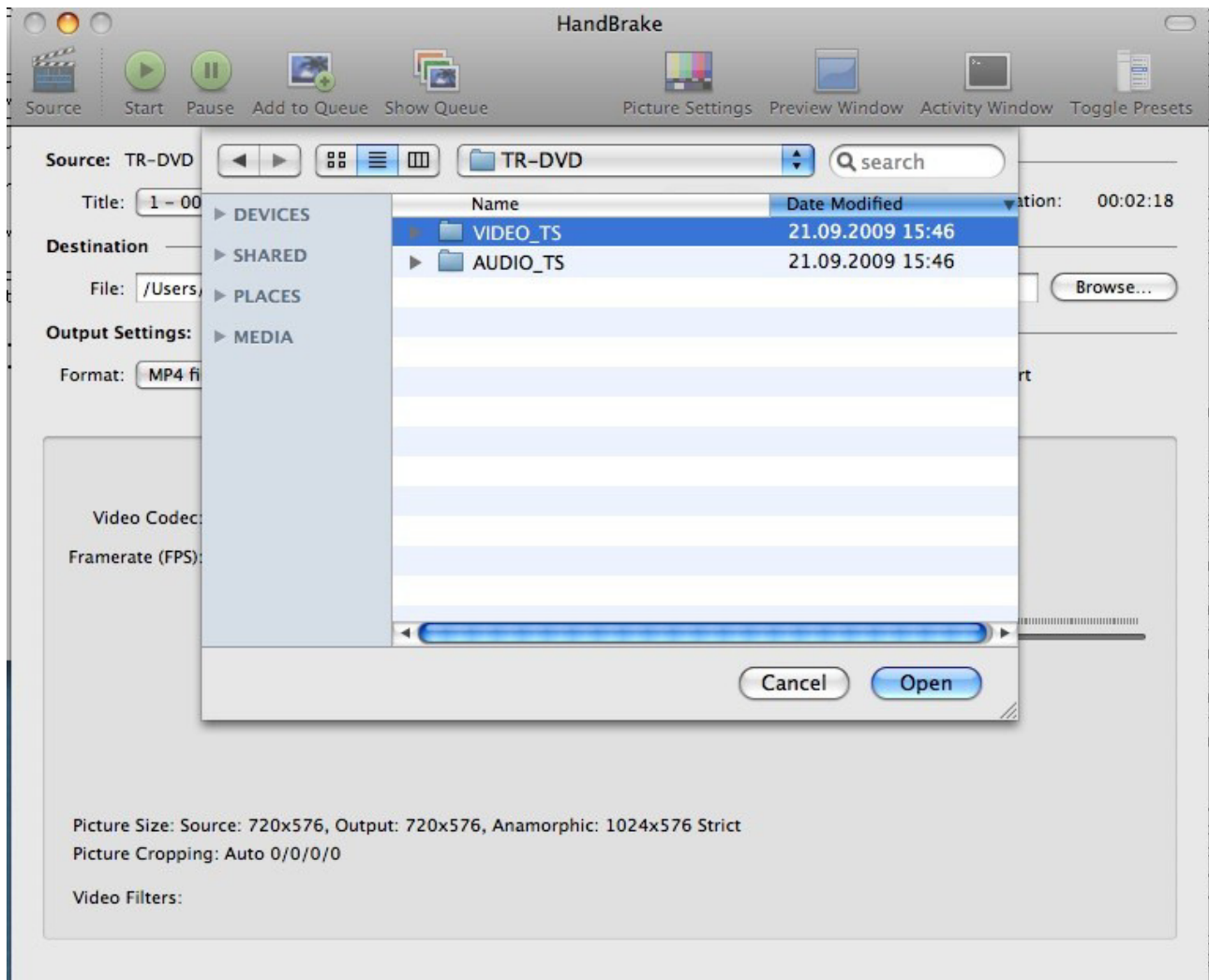
A DVD holds a bunch of files (.VOB, .IFO and so on) inside the VIDEO\_TS folder on every DVD. You need to convert this bunch of files into a single file containing Audio and Video as well as subtitles.

The following tutorial describes how to do it with HandBrake. **Handbrake** is a nifty little tool to convert Videos in different formats. It is fast, available for all platforms and: it's free!

**You can get it here:**

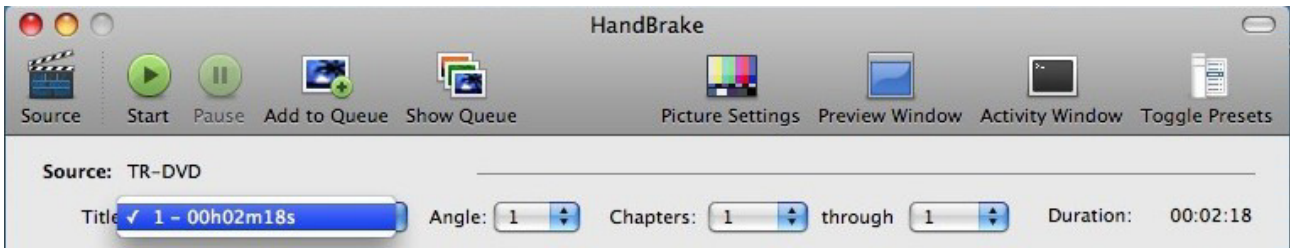
<http://handbrake.fr>

**Select your VIDEO\_TS folder as source.**





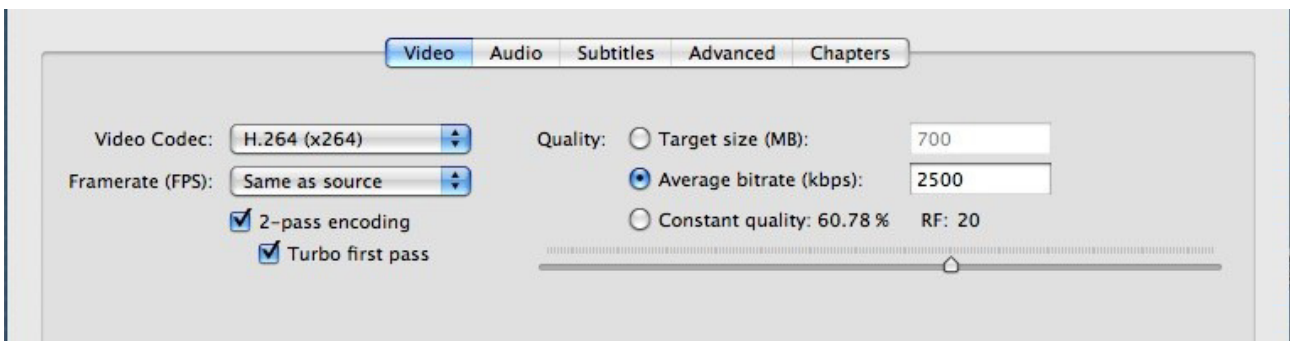
Select the title of your DVD that you want to convert (Say, if you have 3 videos on your DVD and want to convert the 2nd, then choose this particular 2nd movie here).



Leave the chapter marking as "from 1 to 1" as this takes the whole movie, not only a part marked by these chapter marks.

**Use the following settings for VIDEO:**

File Format MP4 file

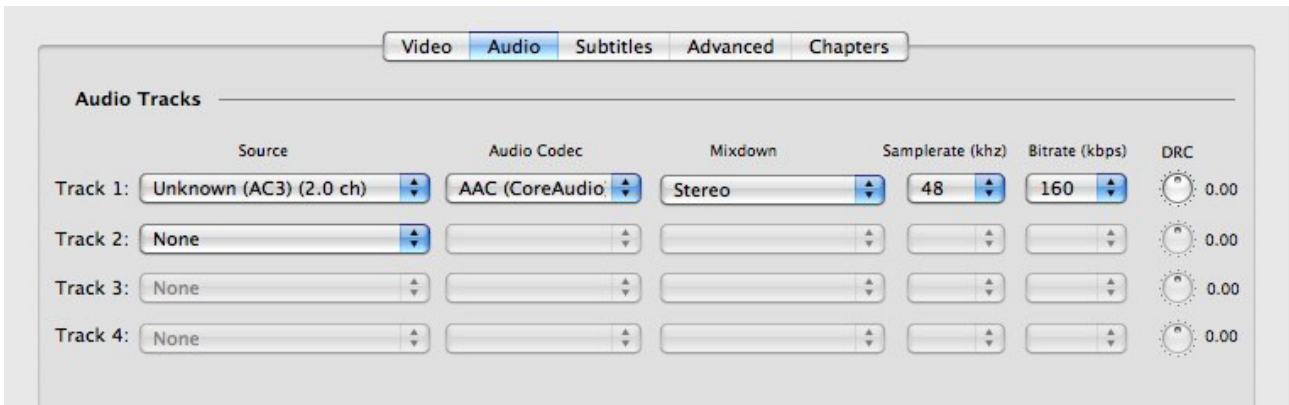


- Video Codec H.264
- Frame rate: Same as source
- Quality: Average Bitrate (kbps) 2500 (maybe you have to lower this rate if the final size of your movie exceeds our 5 GByte limit)
- Select 2-pass encoding and Turbo first pass if available

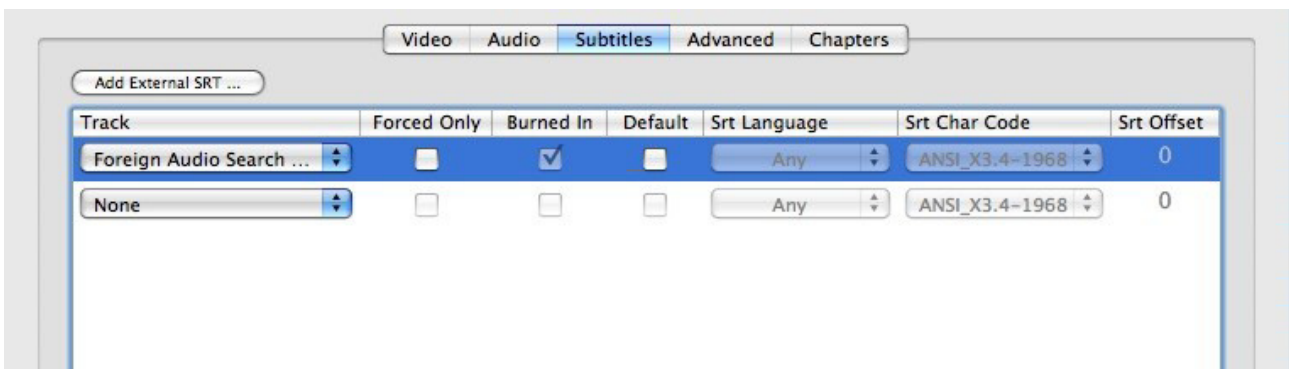


**Use the following settings for AUDIO:**

- select the suitable Audio track (only take care on this if you have more than one language track on your DVD)
- leave the remaining audio settings as they are preselected (AAC, Stereo, 48khz, 160 kbps)



**Use the following settings for SUBTITLES:**



- select the subtitle track you want to rip
- mark Burned In

**Use the following settings for ADVANCED:**

- leave it as preset

**Use the following settings for CHAPTERS:**

- leave it as preset

**Use the following settings for PICTURE SETTINGS:**

- If you have an anamorphic movie then set the Anamorphic selector to "Loose" and keep everything else as preset.
- If you have interlaced footage select deinterlace 'slow' in the filter options