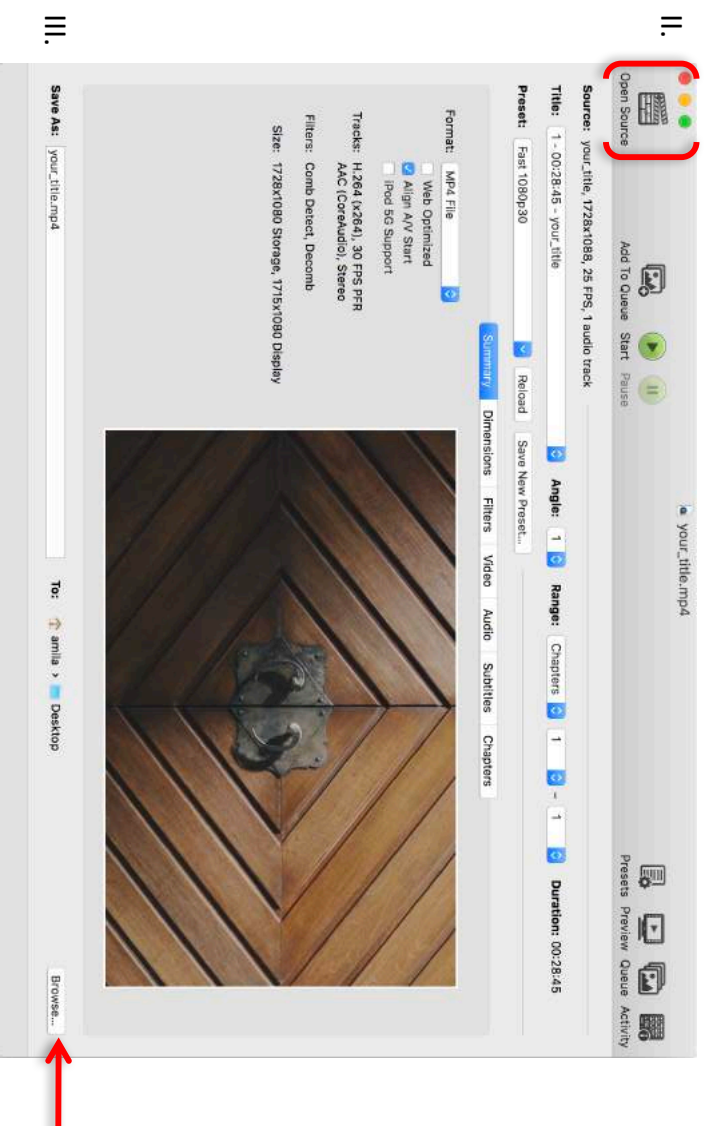
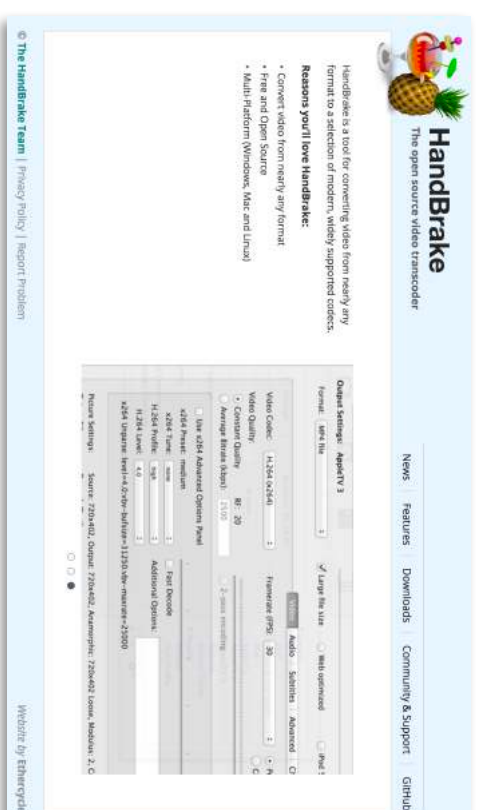


I. Download and open the freeware program Handbrake. You can find it at www.handbrake.fr

II. Click on the 'Open Source' button and open the DVD or file you are going to use or click on the 'File' pane and then 'Open Source'.

III. You can name your file whatever you choose and save it to any location. This is done in the line where the 'Save As / Browse' paragraph is.



IV. a-b) Click on the 'HandBrake' pane and then on the 'Preferences'. Make sure that the default setting is set to MP4. It should look like the box on the right.

V. Click on the 'Dimensions' to adjust the picture format.

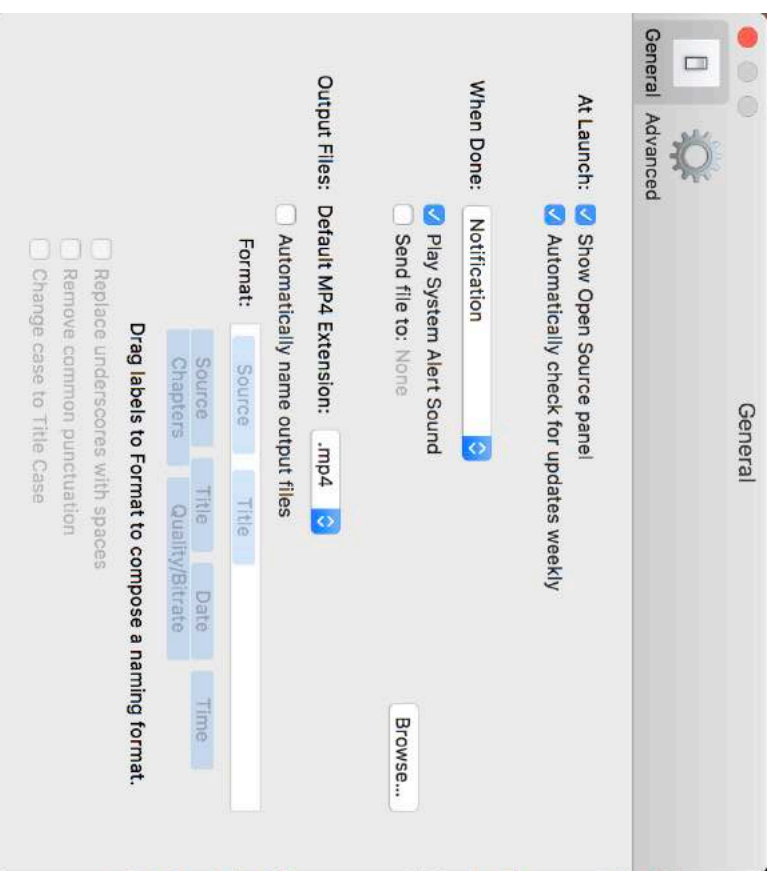
If there is some need to adjust the picture, use the up and down arrows to do so and get the wanted **1920 x 1080** size. This goes for the cropping of the picture as well.

(If the film has black bars on top and bottom or on the sides, change the cropping setting to customize and adjust it so the bars are included and the size is 1920 x 1080.)

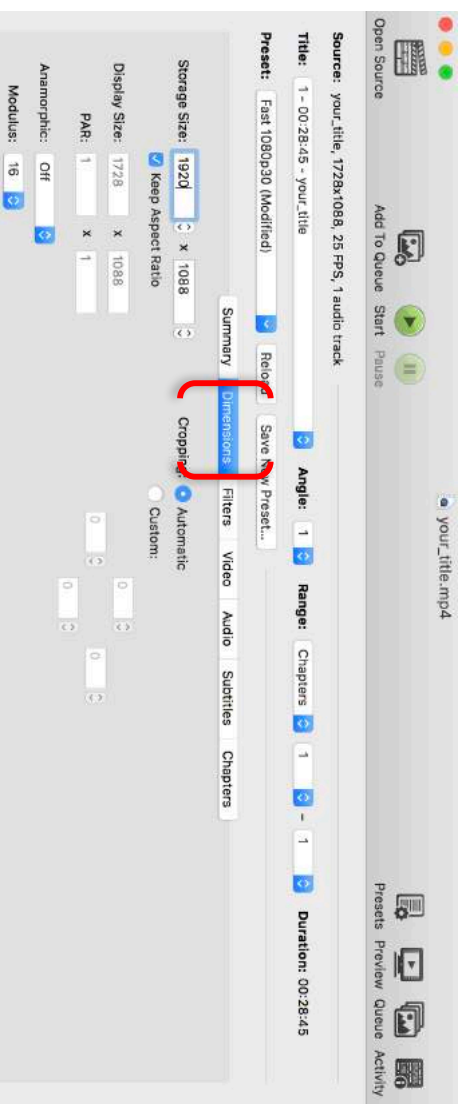
IV. a)



b)



V.

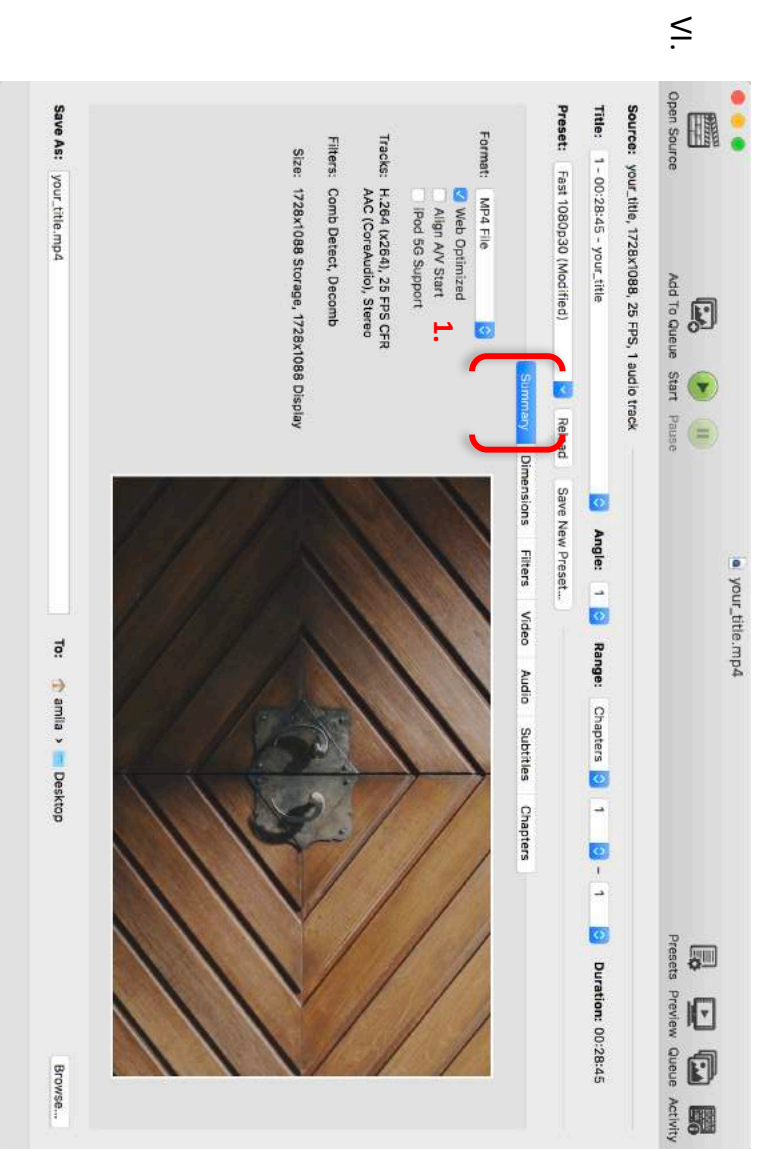


VI. Your VIDEO SETTINGS must look like in two following pictures.

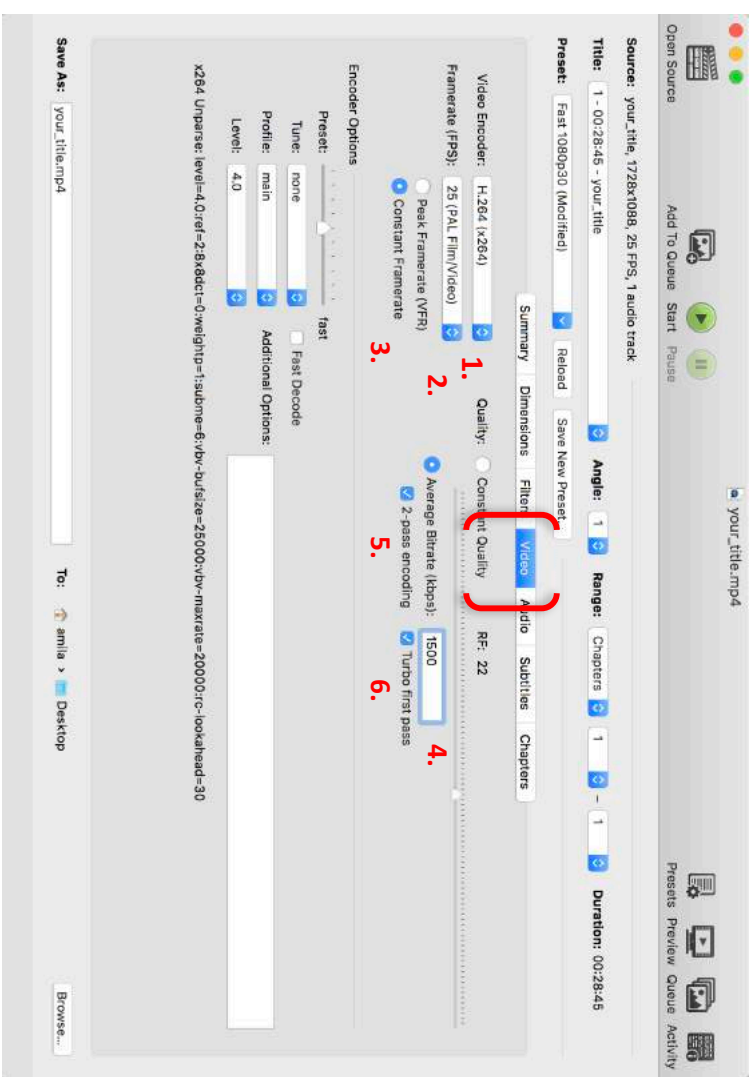
1. In "SUMMARY", tick the box *Web optimized*

VII. In "VIDEO":

1. Video Codec: *H264*
2. Framerate (FPS): *25 fps (or Same as Source)*
3. Tick the box that says *Constant Framerate*
4. Average Bitrate (kbps): *1500*
5. Tick the box *2-pass encoding*
6. Tick the box *Turbo first pass*



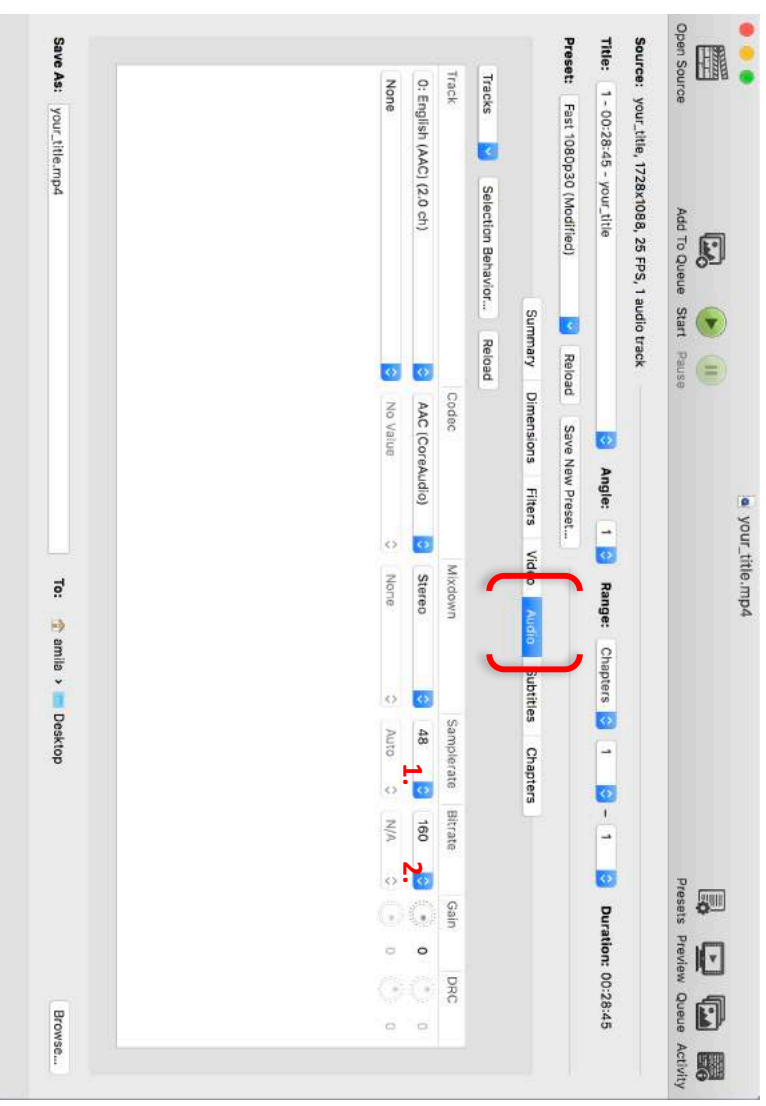
VI.



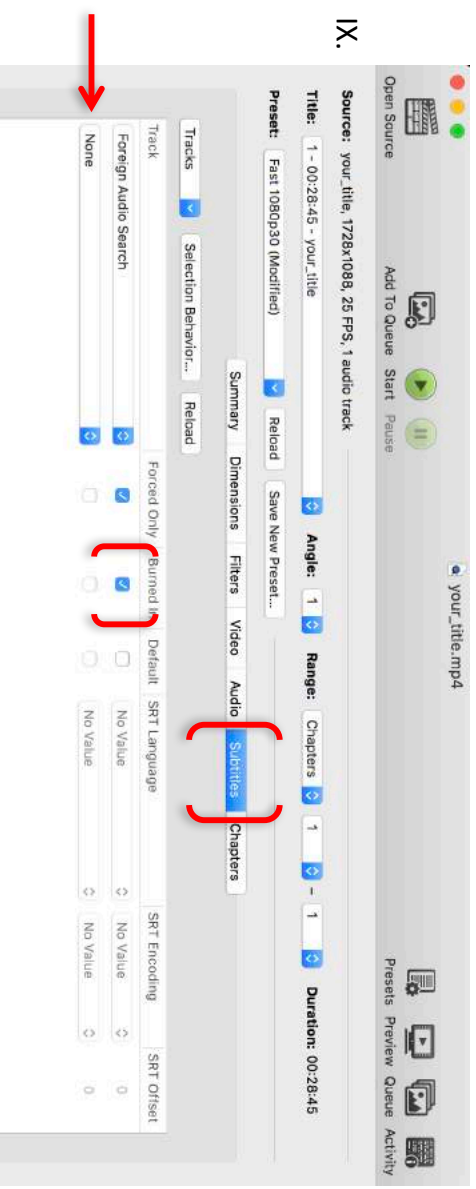
VII.

VIII. Your AUDIO SETTINGS must look like in the following picture.

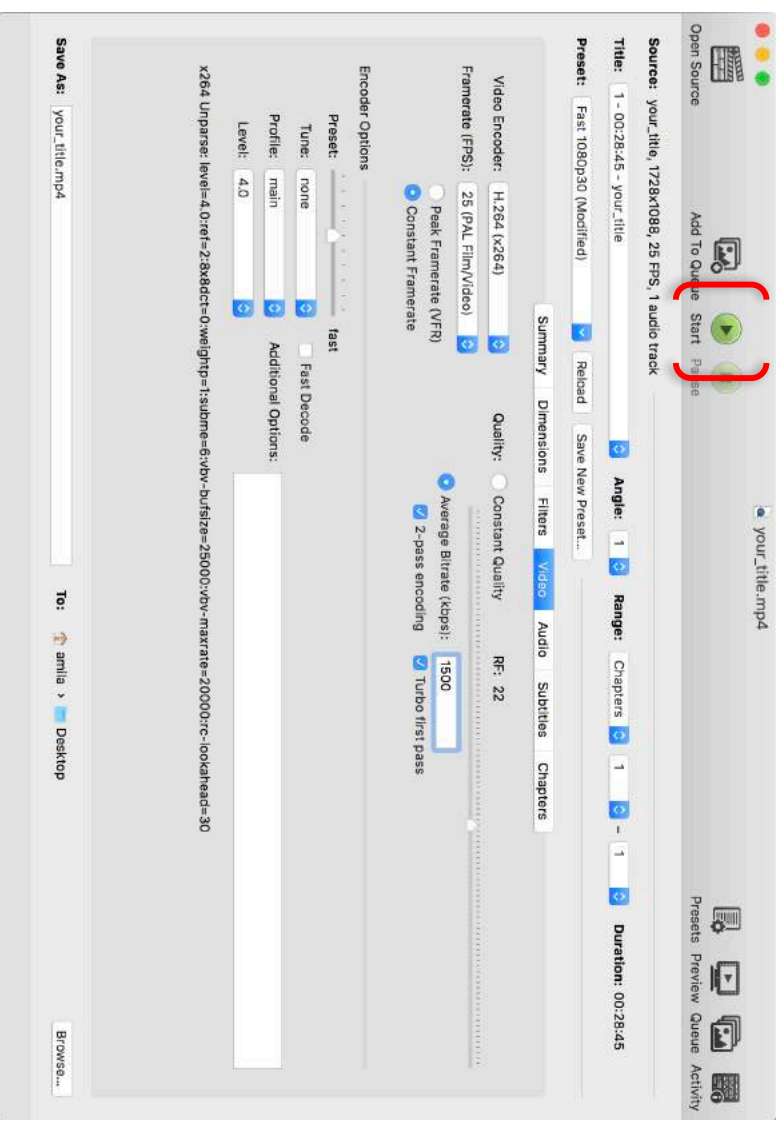
1. Samplerate: 48
2. Bitrate: 160



- IX. SUBTITLES
- If your film has subtitles which are NOT hardcoded subtitles on your file, make sure that you click on the Subtitles pane and choose the correct subtitles in Tracks. Works best with .srt subtitles. Make sure the "burned in" box is ticked.



X.



X. When all of the settings look like they do in the screenshots above, press the **green START** button and the encoding will begin.

Handbrake will inform you, when the encoding is done.

GOOD LUCK!