

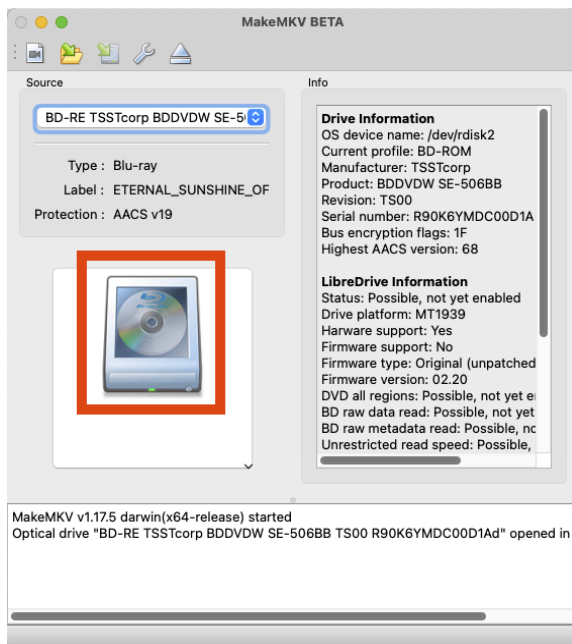
Ripping a DVD or BluRay with [MakeMKV](#) and [Handbrake](#) on a Mac

We recommend using this two step process for both DVD and BluRay ripping for a consistent workflow. MakeMKV is used for decryption and Handbrake is used to transcode the decrypted MKV file into an .mp4 file which is more suitable for editing. MakeMKV is free for 30 days with a renewable beta key and Handbrake is free.

1. Insert a BluRay or DVD into the disc drive
2. Open MakeMKV

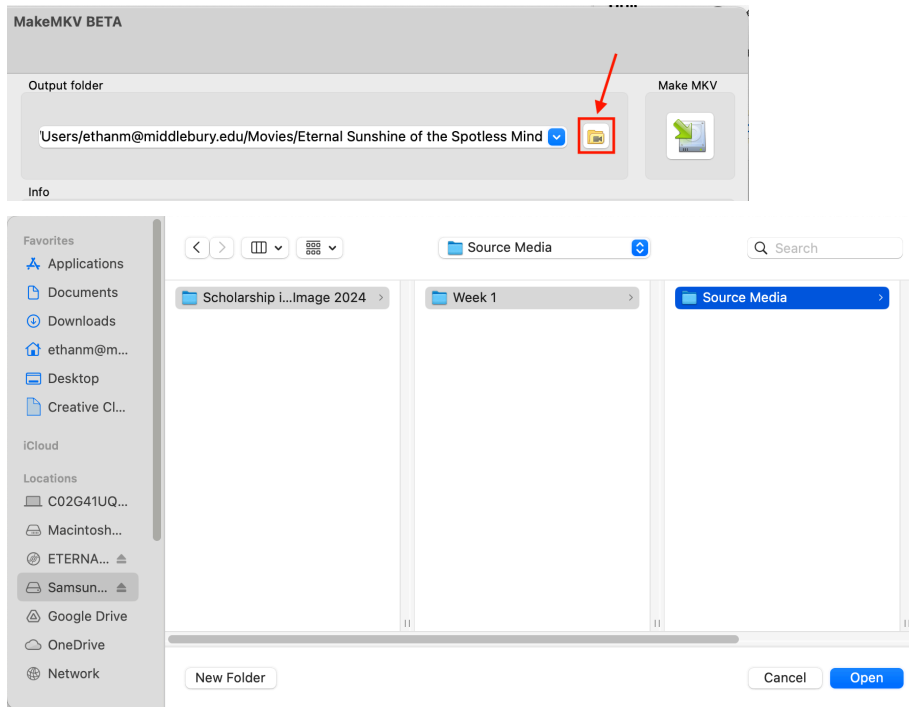


3. Update the software if prompted and there's a new version.
 - a. Tip: Because MKV is not an Apple identified developer, the first time you open it you will need to right click the icon in the Applications folder and choose "open" from the dropdown menu.
4. Insert a new beta code if prompted.
 - a. (<https://www.makemkv.com/forum/viewtopic.php?t=1053>)
5. Click on the BluRay icon



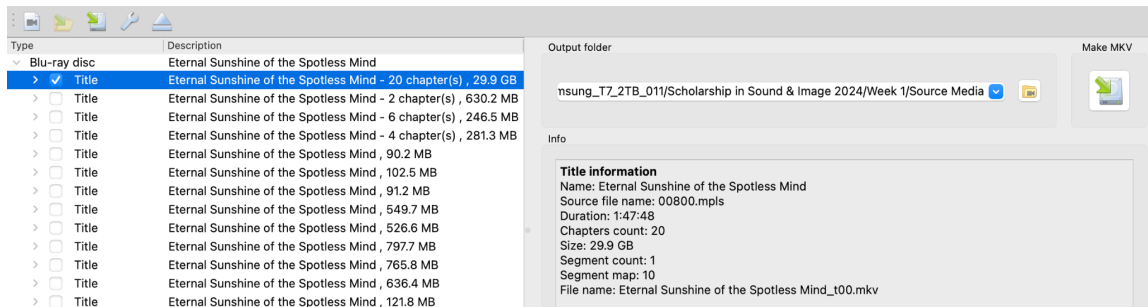
This may take a few minutes

6. Choose your save destination (output folder)

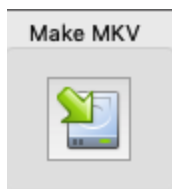


a. Tip: If you have input/output errors in MakeMKV try saving to the desktop first.

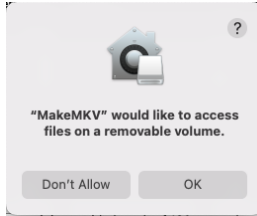
7. Uncheck any titles that are not likely to be the main feature



8. Click on Make MKV



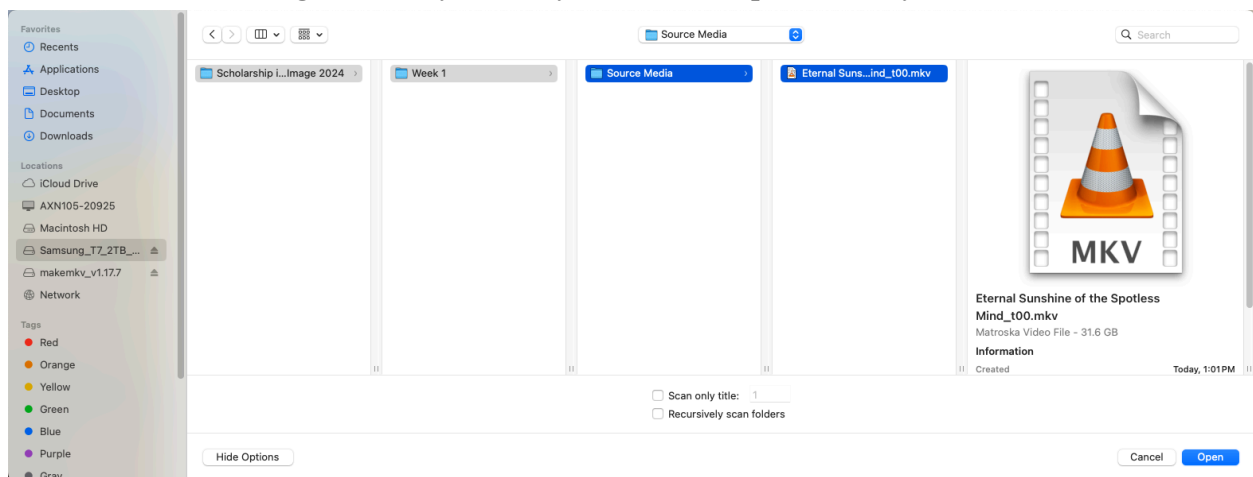
9. You may get a prompt saying “MakeMKV would like to access files on a removable volume” like the one below. Click Ok.



10. Wait about an hour for a BluRay
11. You can view the resulting .mkv file in [VLC](#) if you want to preview it. Premiere Pro does not [currently support](#) native .mkv editing so it still needs to be transcoded to an editing friendly codec.
12. Open Handbrake



13. Browse to the .mkv file that you just created with MakeMKV and click open
 - a. Tip: If working with multiple titles or television episodes you can save time by checking "Scan only title" if you know the episode that you want to work with.



14. Handbrake will begin scanning the DVD/BluRay and will do its best to select the feature track. This may take a few minutes.
15. Select a Preset. We recommend Preset -> General -> Fast 1080p for a BluRay and DVD.
16. Choose a name in the Save As: field and choose a save location by clicking on Browse.
 - a. Tip: Save to External Hard Drive->Project Folder->Media.

Source: Submarine_t00, 1920x1036, 23.976 FPS, SDR (8-bit 4:2:0, 1-1-1), 1 audio track

Title: 1 - 01:37:28 - Submarine_t00 **Angle:** 1 **Range:** Chapters 1 - 16 **Duration:** 01:37:28

Preset: Fast 1080p30 **Reload** **Save New Preset...**

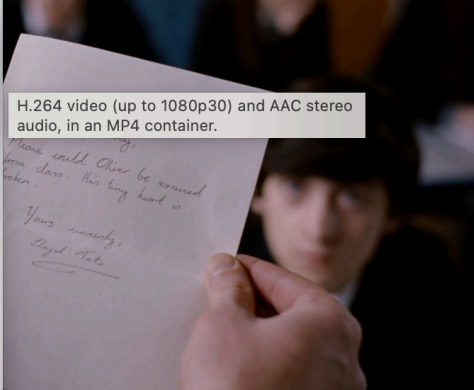
- General > Very Fast 2160p60 4K AV1
- Web > Very Fast 2160p60 4K HEVC
- Devices > Very Fast 1080p30
- Matroska > Very Fast 720p30
- Hardware > Very Fast 576p25
- Professional > Very Fast 480p30
- My Presets > Fast 2160p60 4K AV1
- Fast 2160p60 4K HEVC
- ✓ Fast 1080p30**
- Fast 720p30
- Fast 576p25
- Fast 480p30
- HQ 2160p60 4K AV1 Surround
- HQ 2160p60 4K HEVC Surround
- HQ 1080p30 Surround
- HQ 720p30 Surround
- HQ 576p25 Surround
- HQ 480p30 Surround
- Super HQ 2160p60 4K AV1 Surround

Tracks: H.264 (x264), 30 FPS PFR
0: AAC (CoreAudio), Stereo
Chapter Markers

Filters: Comb Detect, Decomb

Size: 1920x1036

H.264 video (up to 1080p30) and AAC stereo audio, in an MP4 container.



title_t00.mkv

Open Source **Add To Queue** **Start** **Pause** **Presets** **Preview** **Queue** **Activity**

Source: title_t00, 1920x1080, 23.976 FPS, 2 audio tracks, 4 subtitles tracks

Title: 1 - 02:12:35 - title_t00 **Angle:** 1 **Range:** Chapters 1 - 37 **Duration:** 02:12:35

Preset: HQ 1080p30 Surround **Reload** **Save New Preset...**

Summary **Dimensions** **Filters** **Video** **Audio** **Subtitles** **Chapters**


Format: MP4 File

- ☐ Web Optimized
- ☒ Align A/V Start
- ☐ iPod 5G Support

Tracks: H.264 (x264), 30 FPS PFR
AAC (CoreAudio), Stereo
AC3 Passthru
Foreign Audio Search, Burned
Chapter Markers

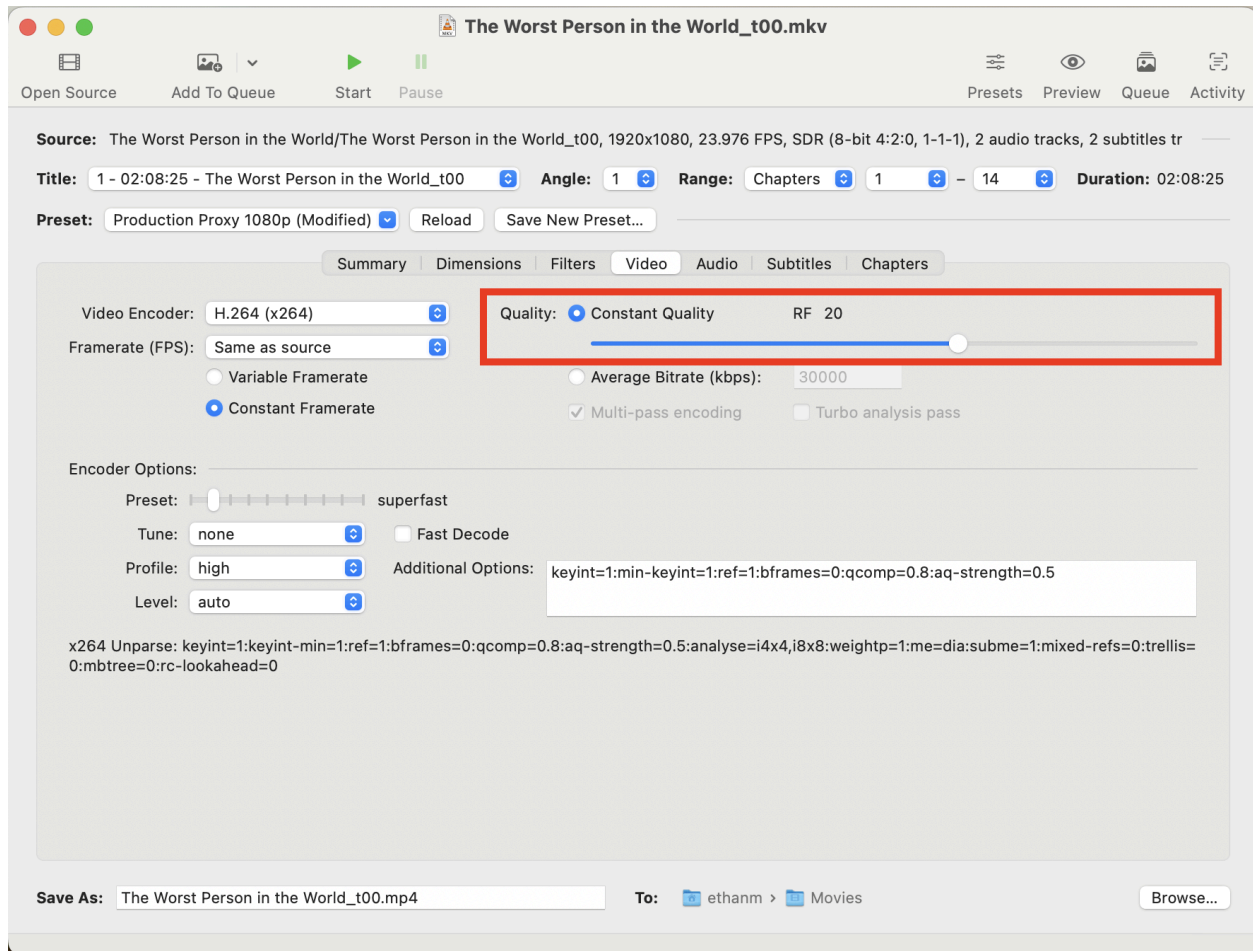
Filters: Comb Detect, Decomb

Size: 1920x800 Storage, 1920x800 Display

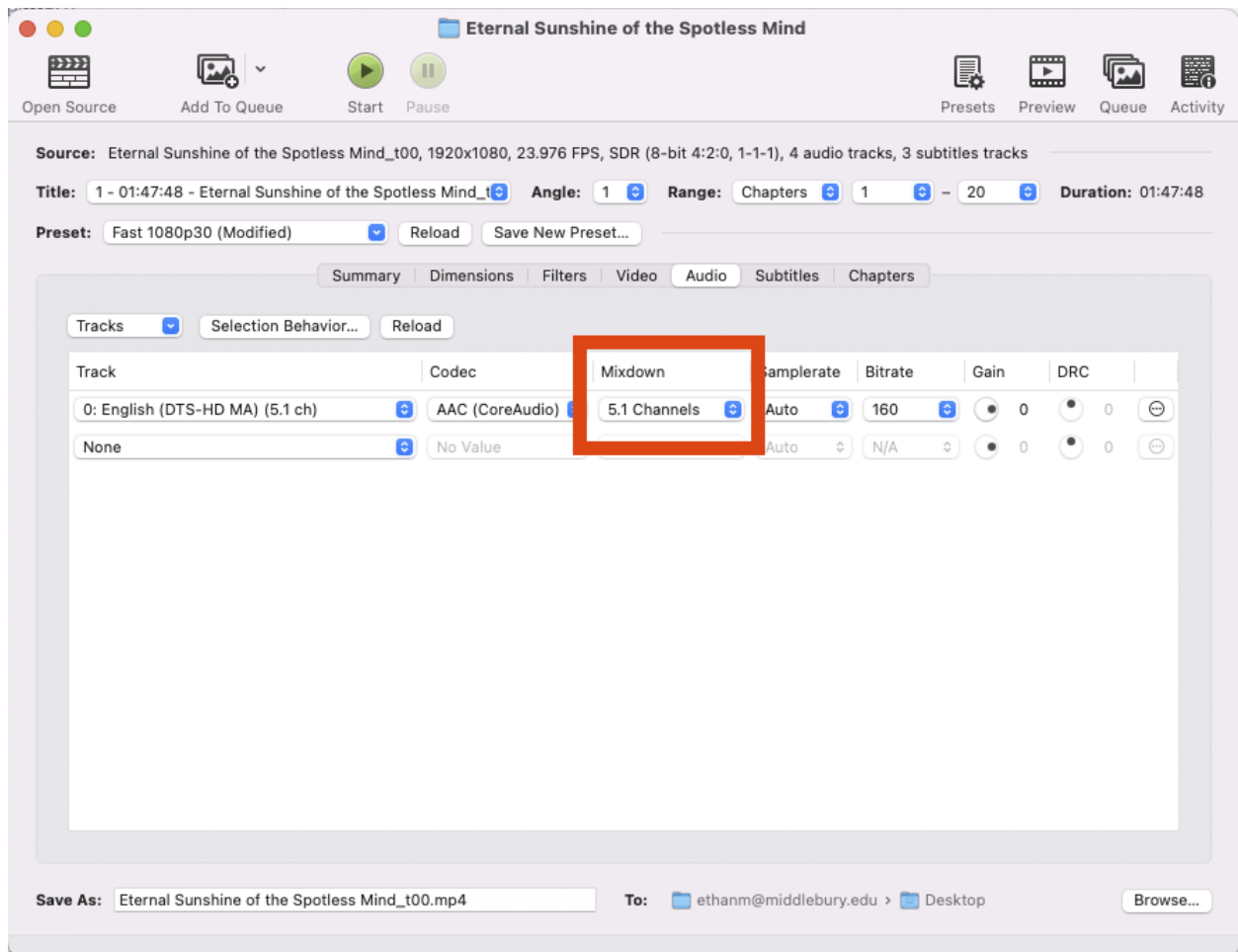


Save As: title_t00.m4v **To:** ethanm > Movies **Browse...**

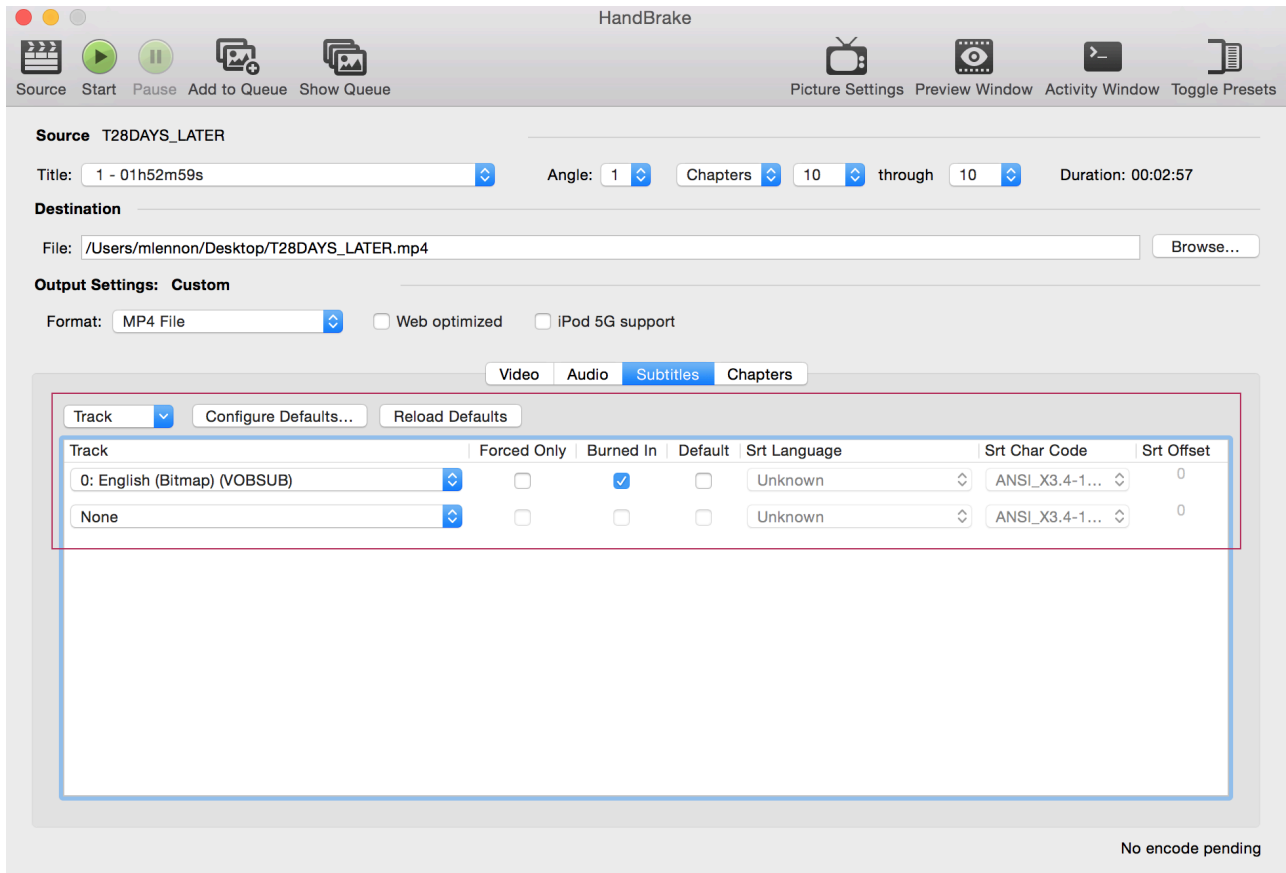
17. Adjust the RF (Rate Factor) value under Video -> Quality based on the [recommended settings](#).



- a. Tip: We've determined the sweet spot for file size vs. quality for a BluRay is RF 22.
18. Audio will be mixed down to stereo by default, but if you'd like to isolate dialogue or remove dialogue, change the mixdown settings to 5.1 to get L,R,C,LFE,LS,RS. Dialogue is typically on the center channel. We recommend having a stereo version and a 5.1 surround sound version if available.
19. In most cases you only need audio track 0, but in some cases you may want dubs or director's commentary tracks as well. Turning additional audio tracks to "none" will exclude them from the .mp4 file.

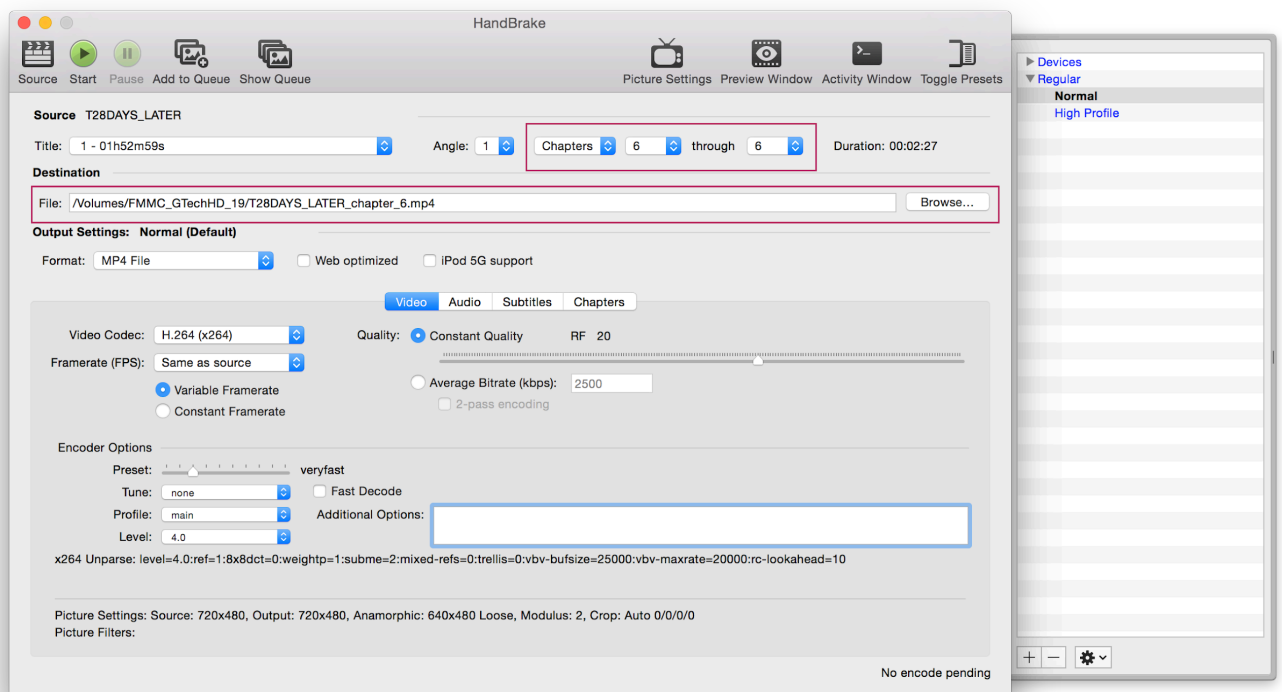


20. If your source material has subtitles you can choose to include them or exclude them for editing purposes. Browse to the Subtitles tab. Select the appropriate language in the “Track” menu, and toggle the “Burned In” checkbox. You may want one version with subtitles and one version without.



21. Click Start

- a. Tip: You can rip a range of chapters or the whole film or television episode. You may want to test a short chapter to make sure the language, subtitles, aspect ratio, etc are all correct before trying the whole film.



Tips:

To find out what title is the main feature on a DVD do the following (This does not work for BluRays):

Insert a DVD into the disk drive. DVD Player should automatically launch and begin playing the DVD. Browse to the scene or sequence that you want to rip, check the playhead toolbar and make a note of the title (typically 1) and chapter(s) or timecode at the beginning of the scene and at the end of the scene. If working with timecode add at least a 30 second buffer on each end.

