

Studio Holder - 4K UHD / HD Blu-Ray & DVD Authoring Convention

Before considering the Blu-Ray / DVD Authoring process entirely; it is worth checking you have the correct equipment to carry this out. This includes getting the **correct discs, writer/rewriter and player.**

	Discs	Optical Disc Writer/Rewriter	Player
Blu-Ray (4K/HD)	4K UHD Discs (4K) OR M-DISCs (4K/HD) OR Standard Blu-Rays (HD)	Blu-Ray Rewriter (HD) OWC Mercury Pro 16X Blu-Ray	4K UHD Blu-Ray Players OR HD Blu-Ray Players
DVD (SD)	DVD (SD)	DVD Rewriter (SD)	DVD Players (Standard Def)

Using Compressor:



1. Before opening Compressor (available on Mac App Store), in Finder - Check the Properties of the Film Deliverable by clicking once on the file and pressing '**Get Info**'; this should reveal key info about the file including:
 - a. **How large is the file** (in MB/GB) - can it fit onto the disc you are encoding onto or does the file need to be compressed? This will become relevant in Compressor.
 - b. **What Resolution / Aspect Ratio has the film been delivered in?** It is usually best in the NLE / Editing Software to export the film in its native/source aspect ratio, otherwise you are just incurring menial data which is just simply BLACK bars (letterbox/pillarboxing). However, letterboxed/pillarboxed files are still acceptable. This will become relevant in Compressor.
 - c. **What Colour Space has the film been delivered in?** (i.e Rec. 709), it will be relevant later.
 - d. **What Codecs does the file have?**
 - i. (i.e) 'H.264, Linear PCM' - this means the film was exported in the .H.264 codec, which mostly likely means the film is wrapped/contained in the .MP4 format. This relates to the Video. In this example; Linear PCM is the sound codec, which is a professional blu-ray standard. This will become relevant in Compressor.
 - e. **How many Audio Channels does the deliverable have?**
 - i. In most cases, for internet/web and short film content, this will be Stereo (2 channels). This will become relevant in Compressor.
 - ii. Some productions/projects may have been delivered in 5.1 Surround Sound (6 Channels), 7.1 Surround Sound (8 Channels) or Dolby Atmos.
 - f. **How long is the file's Running Time?**



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DISC18_I Love You... 10.58 GB
Modified: 9 October 2020 at 02:57

Add Tags...

▼ **General:**

Kind: QuickTime movie
Size: 10,576,523,816 bytes (10.59 GB on disk)
Where: Macintosh HD ▸ Users ▸ louisholder ▸ Downloads
Created: 9 October 2020 at 00:55
Modified: 9 October 2020 at 02:57

Last opened: 9 October 2020 at 02:57
Dimensions: 3840×2160
Codecs: H.264, Linear PCM
Colour profile: HD (1-1-1)
Duration: 14:11
Audio channels: Stereo

▼ **Name & Extension:**

DISC18_I Love You_Master Online_St

Hide extension

2. Open Compressor
3. In 'Current', Add File and navigate to where the film file/deliverable is saved and open it up.
4. A dialog box entitled 'Select one or more settings' will appear.

Blu-Ray Disc	DVD
<p>5. Under 'Create Blu-Ray', Hold Command (CMD) on the following:</p> <ol style="list-style-type: none"> a. Dolby Digital b. H.264 for Blu-Ray 	<p>6. Under 'Create DVD', Hold Command (CMD) on the following:</p> <ol style="list-style-type: none"> a. Dolby Digital b. MPEG-2 for DVD

The file is loaded into the job bay. **You need to select specific settings** in the right-hand job pane, and to check that these details are correct for the project:

- c. Job Details
- d. Timing
- e. File Properties
- f. Video Properties
- g. Metadata
- h. HDR Metadata
- i. 360 degrees Metadata
- j. Audio Properties
- k. Action - This is really important to get correct. **Change 'When Done' to Create Blu-ray disc.** If there are captions toggleable in the film; tick the box 'Save captions to disk'. **You must select external output!**
7. **Click 'Start Batch'.**
8. **The job will start rendering and will appear in the 'Active' tab,** along with a breakdown of the procedures the job will take. This process is about preparing/encoding the deliverables so they are ready for disc authoring to start.
9. Once the job has finished, the optical disk drive will spin up and begin to start. The disc will begin to start burning.
10. Once the disc finishes burning, the disc will be finished and will be ready to eject.
11. The authored Blu-Ray disc can be used in any Blu-Ray Player.
 - a. If the disc is a DVD, it will NOT play in a Blu-Ray Player.



Labelling Authored Discs correctly:



Information Required:

TOP SECTION - Asset ID. + Production Title

MIDDLE LEFT - Running Time in SMPTE (HH:MM:SS:FF) + Type of Authoring

MIDDLE RIGHT - Resolution, Aspect Ratio, Sound Mix, Subtitles Info

BOTTOM SECTION - Year of Release

