

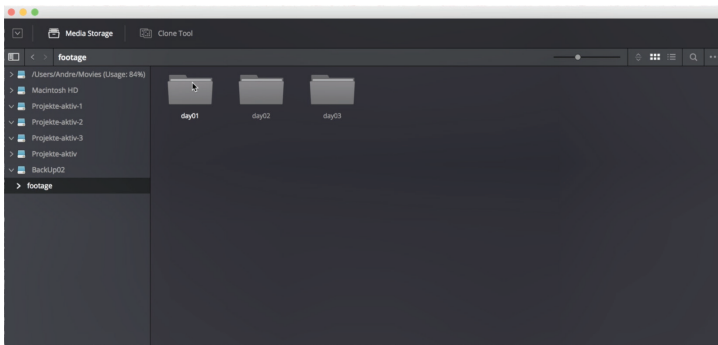


Timecode Synchronization in

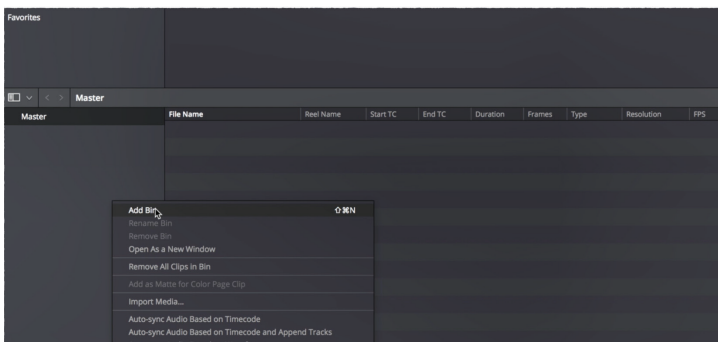
DaVinci Resolve



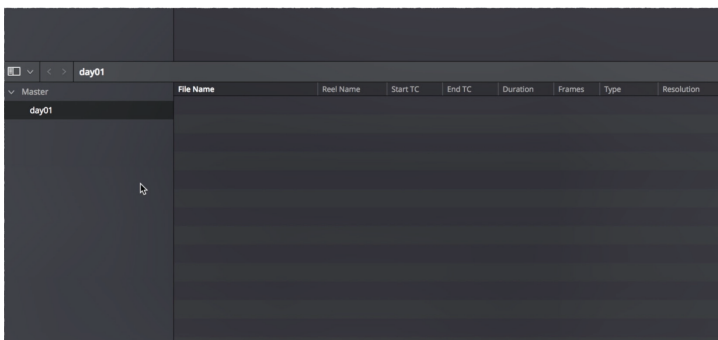
In this tutorial, we will show you how to sync your audio and video with DaVinci Resolve.



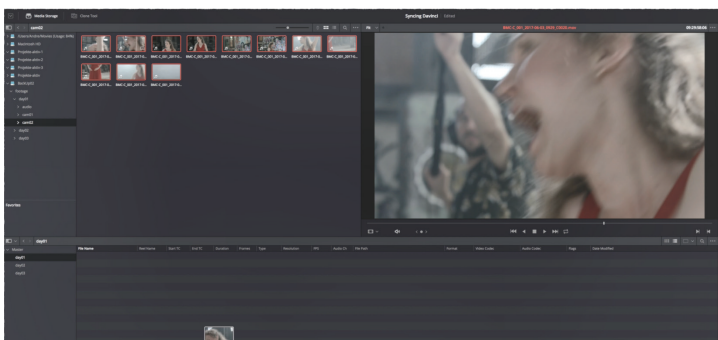
Start by creating a new project and adding the location of your files on your hard drive by right-clicking and choosing "add new location".



Add a new bin to your Master and give it an appropriate name.



When working on larger projects, we recommend you organize your film project on your hard drive by shooting day.



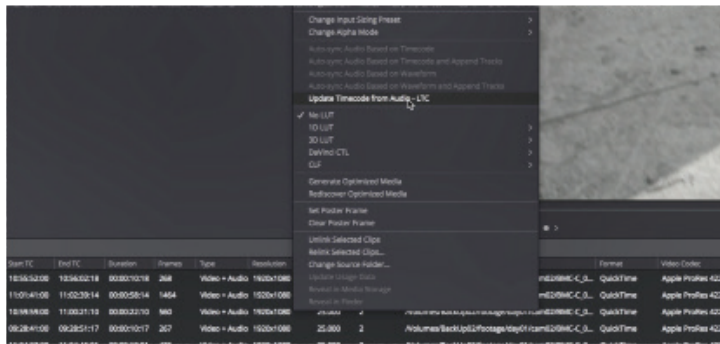
Now drag and drop the clips into your media window.



For those of you who shoot on cameras without a dedicated professional timecode input, we will now demonstrate how to add a timecode stamp to your clips.

File Name	Reel Name	Start TC	End TC	Duration	Frames	Type	Resolution	FPS	Audio Ch	File Path
BMC-C_001_2017-06-03_1...		10:55:52:00	10:56:02:18	00:00:10:18	268	Video + Audio	1920x1080	25.000	2	/Volumes/BackupUp0276
BMC-C_001_2017-06-03_1...		11:01:41:00	11:02:39:14	00:00:58:14	1464	Video + Audio	1920x1080	25.000	2	/Volumes/BackupUp0276
BMC-C_001_2017-06-03_1...		10:59:59:00	11:00:21:10	00:00:22:10	560	Video + Audio	1920x1080	25.000	2	/Volumes/BackupUp0276
BMC-C_001_2017-06-03_1...		09:28:41:00	09:28:51:17	00:00:10:17	267	Video + Audio	1920x1080	25.000	2	/Volumes/BackupUp0276
BMC-C_001_2017-06-03_1...		11:04:27:00	11:04:46:01	00:00:19:01	476	Video + Audio	1920x1080	25.000	2	/Volumes/BackupUp0276
BMC-C_001_2017-06-03_1...		10:58:03:00	10:58:25:24	00:00:22:24	574	Video + Audio	1920x1080	25.000	2	/Volumes/BackupUp0276
BMC-C_001_2017-06-03_1...		09:43:34:00	09:43:51:03	00:00:17:03	428	Video + Audio	1920x1080	25.000	2	/Volumes/BackupUp0276
BMC-C_001_2017-06-03_1...		09:46:20:00	09:46:44:17	00:00:24:17	617	Video + Audio	1920x1080	25.000	2	/Volumes/BackupUp0276
BMC-C_001_2017-06-03_1...		09:43:02:00	09:43:20:12	00:00:18:12	462	Video + Audio	1920x1080	25.000	2	/Volumes/BackupUp0276
BMC-C_001_2017-06-03_1...		09:45:25:00	09:45:44:19	00:00:19:19	494	Video + Audio	1920x1080	25.000	2	/Volumes/BackupUp0276
BMC-C_001_2017-06-03_1...		09:29:50:00	09:30:02:01	00:00:12:01	301	Video + Audio	1920x1080	25.000	2	/Volumes/BackupUp0276

Select the appropriate clips, right-click...



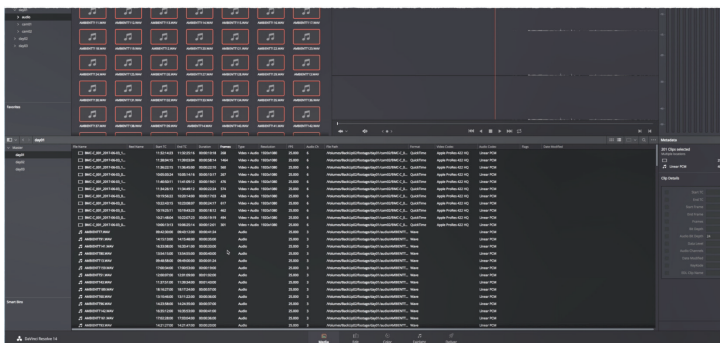
...and choose "Update Timecode from Audio - LTC". This action will copy the timecode information from the audio track into the clip metadata.

File Name	Reel Name	Start TC	End TC	Duration	Frames	Type	Resolution
BMC-C_001_2017-06-03_1...		11:32:14:23	11:32:25:16	00:00:10:18	268	Video + Audio	1920x1080
BMC-C_001_2017-06-03_1...		11:38:04:15	11:39:03:04	00:00:58:14	1464	Video + Audio	1920x1080
BMC-C_001_2017-06-03_1...		11:36:22:15	11:36:45:00	00:00:22:10	560	Video + Audio	1920x1080
BMC-C_001_2017-06-03_0...		10:05:03:24	10:05:14:16	00:00:10:17	267	Video + Audio	1920x1080
BMC-C_001_2017-06-03_1...		11:40:50:11	11:41:09:12	00:00:19:01	476	Video + Audio	1920x1080
BMC-C_001_2017-06-03_1...		11:34:26:13	11:34:49:12	00:00:22:24	574	Video + Audio	1920x1080
BMC-C_001_2017-06-03_0...		10:19:56:22	10:20:14:00	00:00:17:03	428	Video + Audio	1920x1080
BMC-C_001_2017-06-03_0...		10:22:43:15	10:23:08:07	00:00:24:17	617	Video + Audio	1920x1080
BMC-C_001_2017-06-03_0...		10:19:25:11	10:19:43:23	00:00:18:12	462	Video + Audio	1920x1080
BMC-C_001_2017-06-03_0...		10:21:48:04	10:22:07:23	00:00:19:19	494	Video + Audio	1920x1080
BMC-C_001_2017-06-03_0...		10:06:13:13	10:06:25:14	00:00:12:01	301	Video + Audio	1920x1080

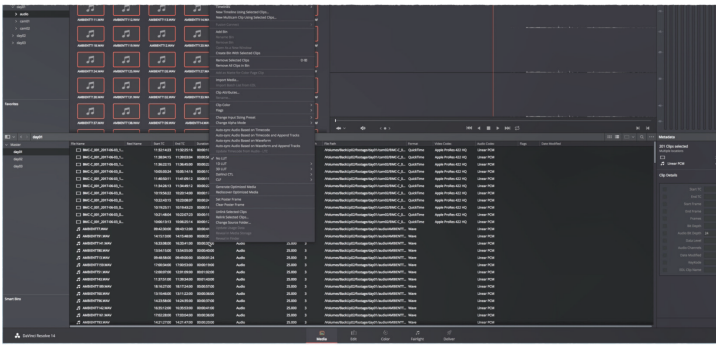
Now all clips are showing the correct timecode information.



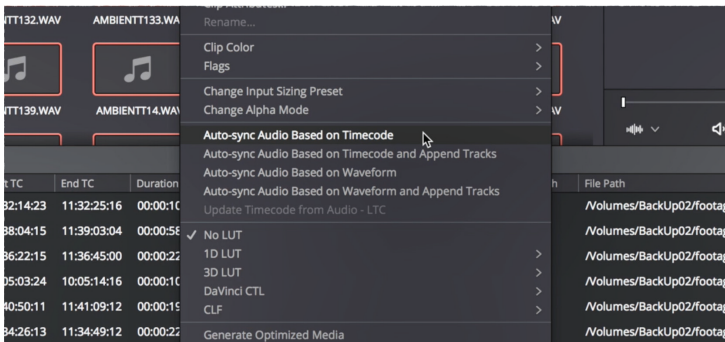
If you shoot on cameras and an audio recorder with professional timecode inputs, the timecode information is already included in the metadata.



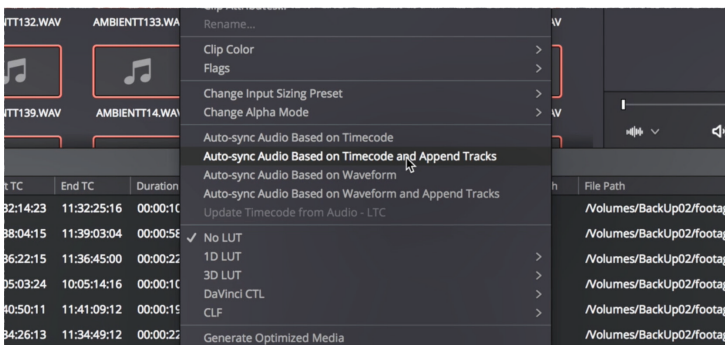
To synchronize all your clips select all of them at once...



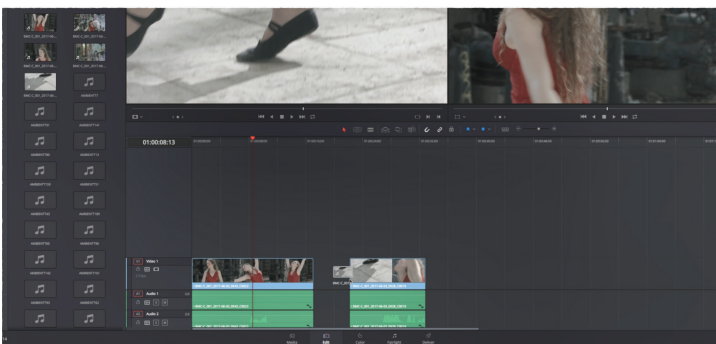
...right-click and choose between two options available for timecode syncing.



“Autosync Audio based on Timecode” will replace the existing audio of the video clip.

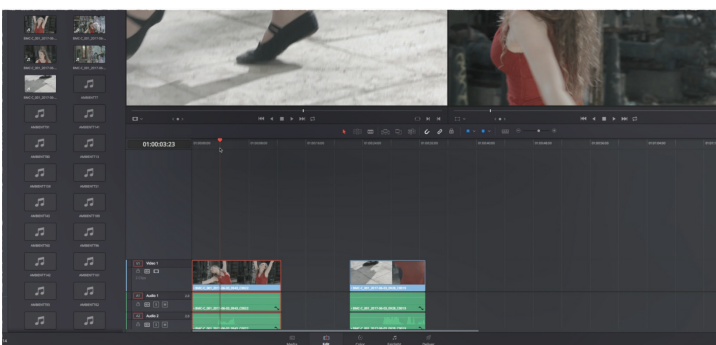


“Autosync Audio based on timecode and append tracks” allows you to keep the audio of your video clip while adding new tracks to the existing audio.

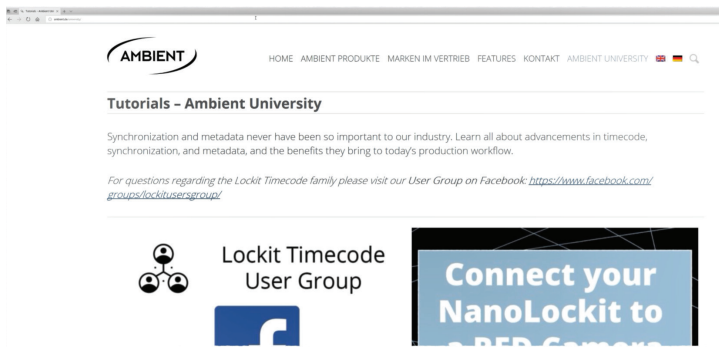


Now all your clips are timecode synchronized so you can start editing right away.

If you prefer, you can also use the Multicam Option. Please refer to the user manual.



Congratulations – as this will save you a lot of time every shooting day giving you more time to be creative.



If you would like to learn more about adding professional timecode to your setup, please watch our tutorials at Ambient University or at nanolockit.com.