Davinci Resolve, Premiere and AVID – BlackMagic Output to LG OLED Monitor Settings

CMB Undergrad Edit Lab 4.120 and 4.120A

| Check the connection from the Thunderbolt 3 ADAPTER from the computer | ![Image of Thunderbolt connection](image1.png) |
| connect to the Thunderbolt cable from the Blackmagic Ultra Studio 4K |
| Located under the desk |

| This is the Blackmagic device that delivers audio and video to the OLED Monitor |
| ![Image of Blackmagic device](image2.png) |
| you can’t see this because it is under the desk. |
Turn on the OLED using the Remote – Make sure it is set to HDMI 3

On the Mac go to your System Prefs

Select Sound
Select Output Tab > Blackmagic Audio

- Select a device for sound output:
  - Blackmagic UltraStudio 4K
  - Headphones
  - Pro Tools Aggregate I/O
  - CMB2102-ATV01
  - CMB2104 Classroom

- Settings for the selected device:

Also check the Blackmagic Desktop Video and make sure the computer sees the hardware

Setup the PreSonus Monitor Station

- Turn up Aux volume
- Make sure Aux is selected
- Main Volume
How to setup AVID for Displaying HD, UHD and 4K video on the LG OLED

Open AVID

Choose to open your project or make a new one

23.98 fps is recommended

Make sure the output to hardware is enabled

Here it is disabled

Click the icon and choose UltraStudio 4K as the output setting
Once the project opens
Check the format
> AVID Media Composer
> Preferences

Make sure your project is set to this
UHD 23.976

If you don't see image out of AVID
troubleshooting tip is to set AVID format to 1080 23.98
then you should see the image
on the tv

Then back to this

Premiere Pro output settings

One note about Premiere - You have to set the preference
Choose "Premiere Pro CC > Preferences > Playback..."
Choose Blackmagic Playback

Click OK

Click on the Setup and choose scale down

Choose "Premiere Pro CC > Preferences > Audio Hardware..."

Make sure your Preferences look like this

If you get this error click Yes
Davinci Resolve output settings

Open DaVinci Resolve

Choose to Skip Tour

Do the Quick Setup even if you think U don't need it

Choose Ultra HD or HD

GREAT, YOU'RE READY!

Before jumping straight ahead, let's make sure you get the most out of your experience.

SET UP

What type of project will you be working on?
Browse to your Hard Drive to save the Media to

Select the magnifying glass and browse to your HD

Choose your hard drive to save the Media

click Open and then

Continue

Keyboard Layout is helpful if you already know another application like AVID

Once your starting with Resolve you have to set a few more settings
Chose the UltraStudio 4K
For both Video and Audio I/O

You will have to close and open Resolve to apply the hardware settings

So name and save your project
Reopen Resolve and chose your project to re-open that you just saved.

Simple import of Media
>File>Import File>Import Media

Change the frame rate to match the clips

When you import your footage make sure to note the Resolution of the clips you are working with and match the timeline resolution and project settings in Resolve.
Then go to the Project Settings Icon in the lower right corner of the screen of the application

Choose Master Settings

Since our media was 4096 x 2160 set the Timeline Resolution and the Video Monitoring to 4K 2160p 23.976

You should see the image on the TV as well as hearing it