# How to make a LUT

## TROUBLESHOOTING TIPS

All Monitors - SmallHD - Technical - Conversion LUTs

### **PROBLEM**

Is there a way to get the LUTs pre-installed on my SmallHD Focus monitor from the monitor to my computer? In particular the one converting the slog-3 to a rec 709. Any chance I can get that one?

### **SOLUTION**

Unfortunately that internal conversion is not made with a LUT. We recommend this free pack of utility/conversion LUTs, though, which includes S-Log3 to Rec 709:

https://luts.iwltbap.com/free-lut-log-to-rec709-and-rec709-to-log-conversion/#freeware

We also offer a free pack of look LUTs for download here:

https://www.smallhd.com/community/gradetrade

### Keywords

LUTs, conversion, Log, S-Log, S-Log2, S-Log3, Rec 709, Rec 2020, DCI P3

Firmware Software - All - Troubleshooting - LUTs not displaying correctly

### **PROBLEM**

My Luts are not displaying correctly. They either don't work or don't act right. one even makes the picture black and white. Why are these not working? Downloaded directly from Canon

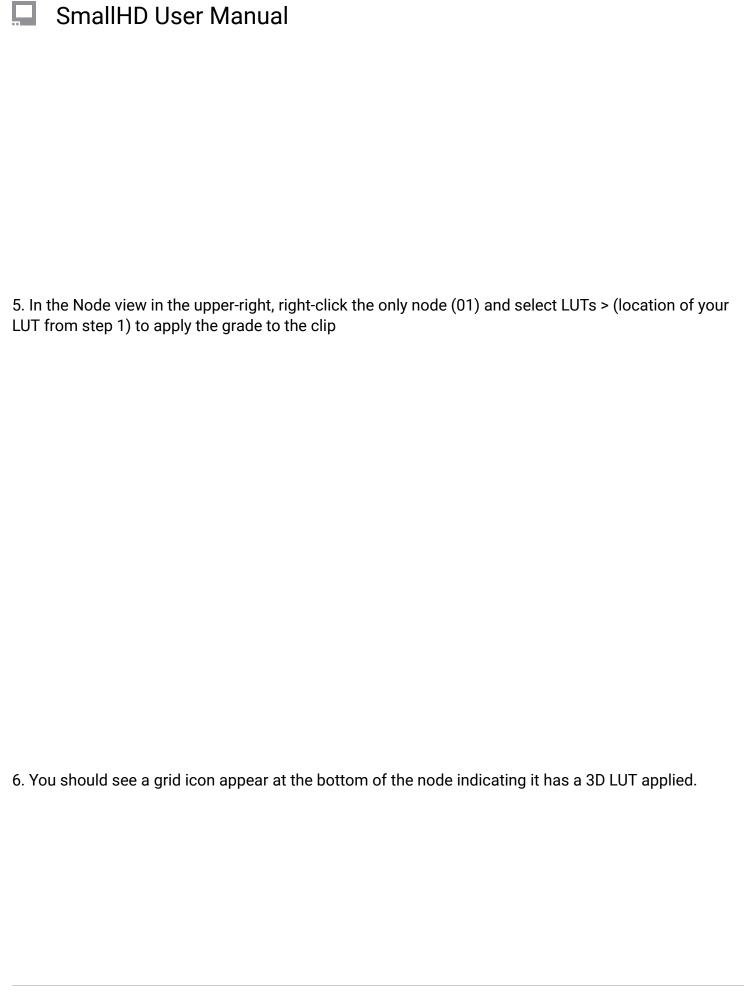
### SOLUTION

These luts appear to be in a different configuration that the monitor is used to seeing. This can be solved by converting this to a 3D lut. This can be done with a free program called Davinci Resolve. The instructions are below:

https://www.blackmagicdesign.com/products/davinciresolve/

1. Drop the LUT file into your Davinci Resolve LUT folder; on a mac this is in:

SmallHD User Manual
(Mac HD) > Library > Application Support > Blackmagic Design > Davinci Resolve
or in Windows:
C:/ProgramData/Blackmagic Design/DaVinci Resolve/Support/LUT/
2. Select the Edit page at the bottom of the main window
3. Drag and drop a video clip from the desktop into the timeline - (any video clip will work, we will only use it to ensure the LUT actually gets applied)
4. Click on the Color page at the bottom of the main window



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7. Select the clip itself toward the middle-left of the main window (as opposed to the node at the upper-right)
8. Right-click and select 'Generate 3D LUT (CUBE)'

# SmallHD User Manual 9. Save to an SD card for use in SmallHD monitors and elsewhere (ensure that the file retains a .cube extension or the LUT will not be recognized by the monitor). Keywords Sony, Canon, fuji, panasonic, 3d, 1d, LUT, LUTS, camera, card, sd card, profile, loading,