

L e e m i n g L U T

Camera Setup Guide: Blackmagic Design Gen1 Film

Manual Version: 20190710

INTRODUCTION

Thank you for purchasing Leeming LUT Pro™, the most accurate and professional Look Up Table (LUT) for Blackmagic Design cameras using Gen1 Film colour science (eg BMPCC, BMMCC).

The LUT has been carefully developed to get the maximum dynamic range and colour accuracy out of the Gen1 Film profile, giving you unparalleled Rec709 precision as well as perfect camera matching with other supported cameras in the Leeming LUT Pro™ range.

Use it in conjunction with ETTR shooting principles and you will get the highest possible quality images out of the camera every time.

I am confident you will find this the most accurate LUT for supported Blackmagic Design cameras. Anything less and I wouldn't have put my name on them!

Enjoy :)

Paul Leeming
Director / Writer / Cinematographer / Actor
Visceral Psyche Films
www.visceralpsyche.com

REQUIREMENTS

1. Blackmagic Design digital camera which supports Gen1 Film colour science.
2. Spectrally neutral white or grey card, for white balancing the camera (eg. the white balance side of the X-Rite Colorchecker Passport Photo is designed for this).
3. Leeming LUT Pro™ for Blackmagic Design Gen1 Film.

CAMERA SETUP

(Using the BMMCC as representative of menu structure. Your camera may not have all the same features so adjust as necessary)

1. Press the MENU button to enter the setup menus of the camera.
2. Depending on your camera type and firmware version, you should see at least some of the following menu tabs: Camera, Audio, Monitoring, Setup, Remote, Recording.
3. Select Camera/Recording tab, then choose your preferred codec/recording format (I recommend RAW 3:1 to allow for 1080p60 RAW recording), Dynamic Range to FILM and framerate as desired.
4. Set your ISO as needed for the scene and your Shutter Angle to 172.8 or 180 degrees depending on your local lighting frequency (50Hz or 60Hz).
5. The camera doesn't have auto white balance so you will need to set it manually. I recommend 5600K for sunny daylight, 5000K for cloudy, and 3200K for interior tungsten lighting situations. The good thing is, in post you have a RAW file, so you can adjust the white balance there with zero penalty before applying the LUT.
6. Select the Audio tab and adjust your levels as needed.

7. In the Monitoring/Display tab, set your HDMI overlays to ON if needed, set your Frame Guides as desired, and your Dynamic Range to FILM.
8. Set Focus Peaking ON and Histogram ON. Set the Zebras ON with 95% (this gives you a 5% safety margin from clipping).
9. In the Setup tab you can set the date and time, and format your SD card.

You are now ready to use Leeming LUT Pro™ with the maximum picture quality available. Be sure to visit the website to read up on how to use ETTR (Expose To The Right) principles to get the most dynamic range out of your sensor, as well as the associated Leeming LUT Pro™ LUT Installation Manual on how to apply the LUT to your footage in post-production:

www.LeemingLUTPro.com

LICENCE

You are granted a personal licence to use Leeming LUT Pro™ on two computers. For use with more computers, please contact Visceral Psyche Films for bulk discount pricing. All updates to the product are free of charge. You may not upload the LUT anywhere, share it with other people or incorporate it into other LUTs, whether they be for sale or not. Please respect the work that has gone into the LUTs and support those supporting you. Thank you!

COMPATIBILITY

Leeming LUT Pro™ is compatible with any NLE that uses the .cube LUT format. It has been successfully tested with Adobe Premiere CC 2018, Davinci Resolve 15, Final Cut X and Magix Vegas 13.