

L e e m i n g L U T

ONE

DJI Mavic 2 Pro Drone Setup

LUT Version: v801

INTRODUCTION

Thank you for purchasing Leeming LUT One™, the best Look Up Table (LUT) for the DJI Mavic 2 Pro drone.

The LUT has been carefully developed to get the maximum dynamic range out of the camera, while retaining pleasing cinematic skin tones and accurate Rec709 colorimetry.

Use it in conjunction with this setup guide and ETTR shooting principles to get the highest quality images possible out of the camera.

I am confident you will find this the best LUT for the Mavic 2 Pro. Anything less and I wouldn't have put my name on it!

Enjoy :)

A white, handwritten signature on a dark background. The signature is stylized and appears to be 'PL' or similar initials.

Paul Leeming
Director / Writer / Cinematographer / Actor
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REQUIREMENTS

1. DJI Mavic 2 Pro drone.
2. 18% grey card or spectrally neutral white card for white balancing the camera.
3. Leeming LUT One™ for the DJI Mavic 2 Pro.

SETUP

1. Connect to your drone and start the DJI companion app.
2. Press the Settings icon and go to the Camera tab (the middle icon).
3. Set Video Size to your preferred resolution. Recommended resolution is 4K HQ (a crop of the sensor) or 4K Full FOV (downscale of the full sensor). Pick your preferred framerate.
4. Video Format should be set to MP4. Set the Camera Video Coding to H.265 to enable 10bit recording.
5. Set Color to DLog-M and set Style to Custom with the following parameters: Sharpness (triangle) +2, Contrast (circle) 0, Saturation (square) 0. Due to the way that the Mavic 2 Pro handles noise reduction, you need to set Sharpness +2 to effectively turn it off. This will give you a natural grain pattern with good detail, ready to de-noise in post if needed.
6. For White Balance you can set a Custom balance or use Auto. If your drone is pointed at a grey or white balance chart when you select the Custom function, it will auto-start at the balance it thinks is most neutral, so that's a handy way to use a neutral chart with the drone.
7. Now go to the Gear tab at the top of the Settings.
8. Set Histogram OFF and Overexposed ON. This will help you to see which parts of the image are blown out by showing zebras on the overexposed areas. Set Save Original to SD card, not your phone.
9. Go to the Iris tab at the top of the Settings.
10. You can select M for Manual Exposure, to gain access to the various controls. Set your ISO, Aperture and Shutter as needed to correctly expose your image using the zebras to find the ETTR clipping point before reducing exposure slightly until the zebras disappear. Best Aperture is around f4.0 for maximum sharpness.

You are now ready to use Leeming LUT One™ with the maximum picture quality available in camera. Be sure to read up on how to use ETTR (Expose To The Right) principles via the website to get the most dynamic range out of your sensor, as well as the associated Leeming LUT One™ 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 One™ on a single desktop plus a single laptop (or any combination of 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 or share it with other people. You may not build derivative LUTs based on these LUTs and/or make them publicly available, for fee or for purchase. Please respect the work that has gone into these LUTs and support those supporting you. Thank you!

COMPATIBILITY

Leeming LUT One™ is compatible with any NLE that uses the 64x64x64 .cube LUT format. It has been successfully tested with Adobe Creative Cloud, Davinci Resolve, Final Cut X, Edius and Magix Vegas. If you need a 32x32x32 .cube LUT for compatibility with older software or hardware please contact me.