L e e m i n g   L U T   PRO

Camera Setup Guide:	JVC
Colour Space:	Rec709 gamma 2.4
Target Exposure:	ETTR
LUT Version:	Pro 4
Guide Version:	2025.05.29

INTRODUCTION

Thank you for purchasing Leeming LUT Pro™, the most accurate and professional Look Up Tables (LUTs) for your camera.

The LUTs have been carefully developed to get the maximum dynamic range and colour accuracy out of the supported profiles, giving you unparalleled Rec709 precision as well as perfect camera matching with other supported cameras in the Leeming LUT Pro™ range. Use them 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 these the most accurate LUTs for your camera. Anything less and I wouldn't have put my name on them!

Enjoy :)

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LICENCE

You are granted a personal licence to use Leeming LUT Pro™ on three devices. For use with more devices, please contact Visceral Psyche Films for bulk discount pricing. You may not upload the LUTs anywhere, share them with other people or incorporate them into other LUTs for derivative use (i.e. making creative LUTs using Leeming LUT Pro™ as the underlying base), whether they be for sale or not. Please respect the work that has gone into the LUTs and support those supporting you.

COMPATIBILITY

Leeming LUT Pro™ is compatible with any software or hardware device that supports a 33x33x33 cube LUT. For a full list, please see the website.

REQUIREMENTS

1.   JVC camera with supported colour profiles.
2.   Spectrally neutral white or grey card, for white balancing the camera (eg. the white balance side of an X-Rite Colorchecker Passport is designed for this).
3.   Leeming LUT Pro – JVC.

NOTE: Items highlighted in yellow have an adverse effect on LUT accuracy if changed away from the recommended values in this guide.

QUICK REFERENCE OF IMPORTANT CAMERA SETTINGS

The settings below are recommended for the LUTs to work properly, in conjunction with an accurate white balance and using the ETTR zebras to show where the highlights of an image are clipping.

If you deviate from these settings, your colorimetry and luma curves won't match precisely to Rec709 and you may get other errors in your footage. You can find the details of how to set these in the next section.

	J-Log1	HLG	Standard
Zebras	ON	ON	ON
White Clip	109%	109%	109%
Zebra Top	OVER	OVER	OVER
Zebra Bottom	100%	100%	100%
Color Space	J-Log1	HLG	ITU709
Colorimetry	ITU709	ITU2020	ITU709
Gamma	J-Log1	HLG	Standard
Color Matrix	Standard	Standard	Standard

FULL CAMERA SETUP GUIDE

Based on the JVC GY-HC550. Your camera may not have all the same features so adjust as necessary.

1. Press the MENU button to enter the camera's settings. If necessary, press the DISPLAY button to show the Main Menu.
2. Select the Camera Process sub-menu , scroll down to the Color Space setting and select your desired profile (I recommend J-Log1 for cameras which support it for maximum dynamic range). Make sure your White Clip is set to 109%. Set your Color Space, Colorimetry, Gamma and Color Matrix as per the table above.
3. Select the LCD/VF sub-menu, then Shooting Assist. Set your Focus Assist here if using manual focusing.
4. Set Zebras ON, Top to OVER, Bottom to 100%, to show you where your image is overexposed. Set your histogram as desired. Exit back to LCD/VF.
5. Set your Marker Settings as desired.
6. In Display Type you can set your shutter function to Degrees or Seconds.
7. Set your other LCD/VF functions as desired. Exit back to the main menu.
8. Go to A/V Set – Video Set to adjust your external HDMI settings if needed.
9. Go to the System sub-menu, then set your Record Format, Frame Rate, Bit Rate and media location as desired. I recommend ProRes if you have access to it.
10. Go to the Media sub-menu to format your desired media.
11. Set your time and date etc, then exit the menus.

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 LUTs to your footage in post-production:

www.LeemingLUTPro.com

ATOMOS NINJA V / BLACKMAGIC VIDEO ASSIST 12G RECORDER SETUP

The LUTs are compatible with external monitors and recorders which use the 33x33x33 cube format.

	J-Log1	HLG	Standard
Zebras LUT On	105%	105%	105%
Zebras LUT Off	105%	105%	105%
Log/HDR	OFF	OFF	OFF
Camera	Standard	Standard	Standard
Gamma	Rec709	Rec709	Rec709
Gamut	Rec709	Rec709	Rec709
HDR Auto	OFF	OFF	OFF
Legalize	OFF	OFF	OFF
HDMI Trigger	ON	ON	ON
Timecode	HDMI	HDMI	HDMI

GUIDE CHANGELOG

2025.05.29   Initial release.