AJA ColorBox Release Notes - v1.0

Firmware for ColorBox

Introduction

ColorBox v1.0 is the initial firmware release.

ColorBox is a compact, high-performance converter with unprecedented inline algorithmic color transforms and LUT processing capabilities delivering precise and accurate color space conversions for live broadcast, live events, on-set production, and postproduction. ColorBox enables a range of HDR and SDR conversions and allows operators to easily load, modify, save looks, and create reference images to ensure color accuracy across all production stakeholders and creative vendors.

Supporting Standard Dynamic Range (SDR), High Dynamic Range (HDR), and Wide Color Gamut (WCG) signals, it utilizes 12G-SDI for single wire 4K/UltraHD HDR up to 4:2:2 10-bit 60p or 4:4:4 12-bit 30p with powerful color processing pipelines.

Be sure to consult the user manual for detailed information about features and configuration guidelines. The most current documentation can always be found on the [ColorBox Support Page.](#)

Features in v1.0

- 12G-SDI in/out for 4K/UltraHD 60p 10-bit YCbCr 4:2:2 or 30p 12-bit RGB 4:4:4
- HDMI 2.0 out for 4K/UltraHD 60p 10-bit YCbCr 4:2:2 or 30p 12-bit RGB 4:4:4
- Ultra low latency, less than ½ a video line
- Five Color Processing Pipelines including licensable options ORION-CONVERT and BBC HLG LUTs
- Web user interface with Video Preview
- 4K/UltraHD Frame Capture and Recall
- Test Pattern Generator up to 4K/UltraHD
- Overlay information on output
- Preset Management, 10 per Pipeline plus Startup Preset
- ANC metadata pass-through
- Compact size: Weighs 1 lb. each, four units fit in 1RU
- 3rd party integrations for real-time control with Pomfort, Assimilate, SKAARHOJ, and CyanView

Technical Support

AJA Technical Support is free and available to help you answer questions or resolve issues with any of your AJA products.

To contact AJA Technical Support:

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