AJA Mini-Config Release Notes - v2.13.0

Control Software for AJA Mini-Converters

General

This version of Mini-Config adds support for the newly released HB-R-SDI, HB-T-SDI, ROI-DVI, ROI-HDMI, and HD10MD4 Mini-Converters as well as feature enhancements for the HA5-4K, Hi5-4K, 4K2HD, and LUT-box. Users of AJA Mini-Converters other than those listed above will not gain new functionality with this version of Mini-Config, however it is recommended to migrate to the most recent version even when using non-updated Mini-Converters as firmware update loading times have been cut by 50% on average for all USB enabled Mini-Converters with this version of Mini-Config.

New Mini-Converters

ROI-DVI

AJA's ROI-DVI Mini-Converter allows exceptionally high quality conversion of computer DVI and HDMI outputs to baseband video over SDI at an affordable price and a very portable size. With extensive audio functionality, incredible image scaling as well as aspect and frame rate conversion, ROI-DVI fulfills the growing need to properly incorporate computer signals into the video world without sacrificing budget or space.

ROI-HDMI

AJA's ROI-HDMI Mini-Converter allows exceptionally high quality conversion of computer and HDMI outputs to baseband video over SDI at an affordable price and a very portable size. With extensive audio functionality, incredible image scaling as well as aspect and frame rate conversion, ROI-HDMI fulfills the growing need to properly incorporate computer signals into the video world without sacrificing budget or space.

HB-R-SDI and HB-T-SDI

The HB-T-SDI and HB-R-SDI offer an easy solution for extending SDI signals up to 100 meters over CAT5 (or better) cable, utilizing the industry standard HDBaseT protocol. Bi-directional IR and RS- 232 for device control is also supported, making these Mini-Converters ideal in a variety of scenarios including: fixed installation AV, digital signage, live events, post production/network/studio environments and on set.

HD10MD4

The HD10MD4 down-converts HD-SDI video to standard definition SDI and analog component/composite video utilizing AJA's high-quality full 10-bit data path and multi-point interpolation to produce broadcast quality down-converted video.

Improvements

HA5-4K

- Adds support for Two Sample Interleave (2SI) input mapping of 4K/UHD signals
- Adds support for the following HDMI 2.0 input formats:

Format	Frame Rate	Colorspace	Sampling
3840x2160 p	50, 59.94, 60	YCbCr	4:2:2
3840x2160 p	50, 59.94, 60	YCbCr/RGB	4:4:4
4096x2160 p	50, 59.94, 60	YCbCr	4:2:2
4096x2160 p	50, 59.94, 60	YCbCr/RGB	4:4:4

Hi5-4K

- Adds support for Two Sample Interleave (2SI) output mapping of 4K/UHD signals
- Adds support for additional input formats:

Format	Frame Rate	Colorspace	Sampling
4096x2160 p	25, 29.97, 30	YCbCr	4:2:2/4:4:4
4096x2160 PsF	25, 29.97, 30	YCbCr	4:2:2/4:4:4
2048x1080 p	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4
2048x1080 p	50, 59.94, 60	YCbCr/RGB	4:2:2
2048x1080 p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2
2048x1080 PsF	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4
2048x1080 PsF	50, 59.94, 60	YCbCr/RGB	4:4:4
2048x1080 PsF	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2

4K2HD

- Adds support for Two Sample Interleave (2SI) output mapping of 4K/UHD signals

- Adds additional input formats, including:

Format	Frame Rate	Colorspace	Sampling
4096x2160 p	25, 29.97, 30	YCbCr	4:2:2/4:4:4
4096x2160 PsF	25, 29.97, 30	YCbCr	4:2:2/4:4:4
2048x1080 p	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4
2048x1080 p	50, 59.94, 60	YCbCr/RGB	4:2:2
2048x1080 p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2
2048x1080 PsF	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4
2048x1080 PsF	50, 59.94, 60	YCbCr/RGB	4:4:4
2048x1080 PsF	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2

LUT-box

- Adds support for SMPTE LUTs designed to preserve and process super blacks and super whites.

Installing the Latest Software

Mini-Converters come from the factory with the most current version of firmware pre-installed. To get the latest version of Mini-Config, visit the AJA website support area and select your Mini-Converter from the list:

https://www.aja.com/category/mini-converters#support

The Mini-Config software can be found in the Software section of the support page for your Mini-Converter. Previous releases of the AJA Mini-Config software are also available in the Software Archive section for each supported Mini-Converter.

Firmware Upgrade Procedure

The manual provided with your AJA Mini-Converter describes the firmware update process; please refer to it in order to properly update your firmware. The product manuals are also installed with the software in the /AJA/Mini-Config/ Documentation/ folder.

Individual product manuals are available online for download from the Mini-Converter section of the AJA website:

http://www.aja.com/support

Products Supported In This Release

3G-AM	Hi5-4K	HB-T-SDI
LUT-box	HA5-4K	HB-R-SDI
Hi5-3D	4K2HD	ROI-DVI
Hi5-3G	V2Digital	ROI-HDMI
HDP2	V2Analog	HD10MD4
UDC	Hi5-Plus	
ROI	HA5-Plus	
ROI-DP	3G-AMA	