

AJA OG-4K2HD – Release Notes v1.5.2

Release software v1.5.2 for OG-4K2HD

Introduction

OG-4K2HD openGear card v1.5.2 is a feature release that increases support for HDR/WCG applications. It is highly recommended that you update to this version of software.

Features, Updates and Improvements in v1.5.2

Version v1.5.2

- Adds HDR Metadata VPID Pass-through with optional override and adds HDR Metadata management. SDI output VPID settings and HDMI output infoframes for Transfer Characteristic (EOTF) and Colorimetry can be automatically generated based on the SDI source VPID or overwritten. Custom HDMI metadata and mastering display information can be generated for HDMI outputs. Provides HDR/WCG status of input and output signals.

Features, Updates and Improvements in Previous Releases

Version v1.4.1

- The HDMI and SDI Outputs are now muted when no active SDI Input signal is detected on any of the SDI inputs.

Version v1.3.5

- Added power LED functionality to follow the state of the card as displayed in DashBoard software. The power LED will now illuminate yellow if there is a yellow DashBoard alarm, red if there is a red DashBoard alarm, and green if no alarms are present.

- Added an identify checkbox to the Setup Tab. This feature will force the power LED to blink orange so it can be easily identified for service.
- Corrected the output SDI VPID when down converting 4K/UHD low frame rate input signals.

Version v1.2.2

- Video and audio outputs are now muted when no active SDI input video signal is detected.

Version v1.1.6

- Corrected the SDI output code.

Version v1.0.7

- Initial Firmware release for OG-4K2HD
- openGear compatible card
- 4K (4096x2160) and UltraHD (3840x2160) support
- Downconversion for supporting 4K on HD-SDI and HDMI devices
- Simultaneous HD-SDI and HDMI output
- Controlled by DashBoard network control software
- Aspect ratio conversion from full 4K to HD
- Supports up to 4K/UltraHD 50/60fps high-frame rate input formats
- Input Present and Input SMPTE Lock LEDs
- Hot-swappable
- Compatible with OGX, OG3 and DFR-8321 openGear frames
- Five-year warranty
- DashBoard Support with Smart Control:
<http://www.opengear.tv/dashboard-software>
- For additional information, please refer to the OG-4K2HD section of the AJA website:
<https://www.aja.com/products/og-4K2HD>

DashBoard Initial Setup, Control and Updating Firmware

Note: DashBoard software (free) is needed to update FW, configure and monitor AJA openGear DashBoard supported cards.

1. Check the AJA website for new software for your OG-4K2HD. If new software is found, download it and uncompress the file archive (zip). <https://www.aja.com/family/opengear#support>
2. Click the Upload button in the lower panel of the DashBoard Control System to open the Upload Software Wizard.
3. From the Upload Software Wizard window, select Browse.
4. Navigate to the location of the downloaded .bin file containing the software update. Select the .bin file, then select Open. The Upload Software Wizard window displays characteristics of the selected file for uploading.
5. Click Finish.
6. When the progress bar indicates that the uploading is finished and status indicates "Complete," click OK.
7. To verify the version of software or firmware currently installed on your card, select the Card tab from the center panel of DashBoard.

NOTE: Before the upload begins, DashBoard will erase the firmware on the card, taking approximately 20 seconds.

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:

Email: support@aja.com

Phone: +1-530-271-3190

Fax: +1-530-274-9442

Web: www.aja.com/support/contact

Shipping: 180 Litton Dr. Grass Valley, CA 95945 USA