AJA OG-ROI-HDMI – Release Notes v1.5.1

Firmware for OG-ROI-HDMI

Introduction

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OG-ROI-HDMI openGear card v1.5.1 firmware is a maintenance release. It is highly recommended that you update firmware to avoid any potential issues.

Be sure to consult the Installation and Operation Guide (user manual) for detailed information about features and configuration guidelines. The most current documentation can always be found on the OG-ROI-HDMI Support Page.

Features, Updates and Improvements in v1.5.1

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v1.5.1

- Fixes xvYCC color space issue and YCbCr limited vs. full mismatches with 2018 (or newer) Mac Minis.

Features, Updates and Improvements in Previous Releases

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v1.4.1

- Fixed issue that required an EDID config change in the DashBoard GUI after upgrading to v1.3.2 in order to make the card functional.

v1.3.2

- Added EDID Emulation capability that allows the user to specify a specific video format for the EDID. This information is then sent to the source video device. The feature can indicate whether YCbCr formats are supported.   It can also indicate the number of supported audio channels (2 or 8).

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v1.2.4

- Video and audio outputs can be configured to mute with a 0-15 seconds delay timer or black image when no active input video signal is detected.
- Edge Filtering for the region of interest (ROI) can be disabled.
- Expanded the processing limit exceeding alarm to include Raster Edge, Flicker, and Edge Filtering.
- Updated the lock LED scheme to always follow the Signal Presence LED.

v1.1.2

- Added support for Dashboard 9.0, Aura theme.

v1.0.7

- Initial Firmware release for OG-ROI-HDMI openGear card
- openGear compatible card
- HDMI to 3G-SDI conversion
- Region of Interest scaling
- HDMI input with loop-through
- 3G-SDI output
- Accepts input HDMI formats up to 1920 x 1200p 60 Hz
- Configurable SDI output formats from 525i 29.97 to 1920 x 1080p 60 Hz
- Aspect ratio conversion and image flip/rotation
- 2-channel embedding of balanced analog audio inputs or 8 channel HDMI audio
- 2x 3-Pin Terminal Block connectors (included)
- Controlled by DashBoard network control software
- Reference Source (Free Run, Card Ext, OG Frame Ext Ref 1 & 2)
- Hot-swappable
- Compatible with DFR-8321, OG3 and OGX openGear frames
- Five-year warranty
- DashBoard Support with Smart Control:

  https://www.opengear.tv/frame-and-control/control-system/download/
- For additional information, please refer to the OG-ROI-HDMI section of the AJA website:

  https://www.aja.com/products/og-roi-hdmi

DashBoard Initial Setup, Control and Updating Firmware

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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-ROI-HDMI. 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

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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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