

AJA OG-Hi5-12G – Release Notes v1.0

Firmware v1.0 for OG-Hi5-12G

Introduction

The OG-Hi5-12G converts 12G-SDI to HDMI 2.0, with pristine image fidelity and HFR support up to 60p for 4K/UltraHD. The OG-Hi5-12G provides an easy to deploy monitoring connection from 12G-SDI devices to devices with HDMI 2.0 inputs. The OG-Hi5-12G can also generate HDR metadata in accordance with HDMI v2.0 and CTA-861-G.

The OG-Hi5-12G features a 12G-SDI single link input with a reclocked SDI loop out for SDI monitoring or pass on for SDI pipelines.

Fiber SFP-equipped OG-Hi5-12G models are available including the OG-Hi5-12G-R receiver, which can receive 4K signals over long distances from a fiber connected source, and the OG-Hi5-12G-TR transceiver, which delivers a 4K/UltraHD SDI or fiber source signal to an HDMI destination with pass on of the source through SDI or fiber to a secondary destination. The Video Source Auto Switch Over feature (SDI and Optical Inputs) in OG-Hi5-12G-R and OG-Hi5-12G-TR provides automatic input changeover with configurable Switch Over Priority selection (Last Valid Input, Priority SDI, and Priority Optical).

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-Hi5-12G Support Page](#).

OG-Hi5-12G Features v1.0

Version v1.0

- Converts 12G-SDI to HDMI 2.0 at up to 4K 60p
- Supports 4:4:4/4:2:2/4:2:0 HDMI 2.0 output
- Supports 12-bit workflows
- HDR signaling metadata pass-through and optional override
- Embedded 8-channel 24-bit audio support
- Embedded audio pass-through of AC-3 (Dolby Digital) and E-AC-3 (Dolby Digital Plus) compressed audio, including DD+ Atmos (aka DD+ JOC)

- 12G-SDI loop out
- Fiber SFP models available
- Control via Ross DashBoard software
- 13 watts max per card
- Five year warranty

DashBoard Initial Setup, Control, and Firmware Updates

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

1. Check the AJA website for new firmware for your OG-Hi5-12G or SFP version. If new firmware 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 firmware 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 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.

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