

# AJA OG-12GM – Release Notes v1.0.2

## Release software v1.0.2 for OG-12GM

### Introduction

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This is the initial release of firmware shipped with AJA’s OG-12GM openGear card (version 1.0.2).

### OG-12GM Features

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- Single 12G-SDI to/from Quad 3G-SDI Level A
- Single 12G-SDI to/from Quad 3G-SDI Level B-DL
- Single 6G-SDI to/from Quad 1.5G-SDI
- Quad 3G-SDI Level A to/from Quad 3G-SDI Level B-DL
- Two Sample Interleave (2SI) to/from Square Division (Quadrant) pixel mapping, 3G
- Pass through of Single Link 3G, 1.5G and 270M SDI video
- Distribution Amplifier support (1x4)
- Input signal diagnostics and timing analyzer for quad-link signals
- Automatic or manual control
- Detailed timing analysis for validating alignment of quad-link SDI inputs
- Passes SDI embedded audio, 24-bit, up to 16-Channels
- Recognizes and transmits High Dynamic Range (HDR) and Wide Color Gamut (WCG) signaling on VPID
- Power: 12 watts
- Hot-swappable
- Remote Ethernet configuration through Ross DashBoard software
- Rear I/O card included
- Two slots required for each card
- Compatible with OG-X-FR, OG-3-FR, and DFR-8321 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-12GM section of the AJA website:  
<https://www.aja.com/products/OG-12GM>

## 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-12GM. If new software is found, download it and uncompress the file archive (zip). <https://www.aja.com/category/rackframes#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:**

Email: [support@aja.com](mailto:support@aja.com)

Phone: +1-530-271-3190

Fax: +1-530-274-9442

Web: [www.aja.com/support/contact](http://www.aja.com/support/contact)

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