

AJA OG-12G-AM – Release Notes v1.0

Firmware v1.0 for OG-12G-AM

Introduction

The OG-12G-AM is a 16-channel AES/EBU audio embedder/disembedder openGear card with support for 12G-SDI input and output up to 4K/UltraHD.

AES/EBU audio embedding and disembedding is user selectable, on a channel pair basis, to either disembed 12G-SDI input audio or to embed input AES/EBU audio. It uses BNC connectors for audio input or output functionality.

The OG-12G-AM automatically detects and configures the input video standard.

The OG-12G-AMA is designed for use in high density openGear 2RU rack frames, including AJA's OG-X-FR frame. Ross DashBoard Software supports Windows®, macOS® and Linux® and provides configuration, monitoring, and control options for openGear cards and frames via a connected computer or over a local network with DashBoard's web UI.

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

OG-12G-AM Features v1.0

Version v1.0

- 12G-SDI 16-channel AES/EBU audio embedder/disembedder
- 12G-SDI input and output up to 4K/UltraHD
- AES/EBU audio embedding is user selectable on a channel pair basis, to either pass 12G-SDI input audio or embed input AES/EBU audio
- Selectable AES/EBU audio levels
- Automatically detects and configures the input video standard
- 1.5G-SDI Internal Signal Generator allows the embedder path to function without needing to connect a source to the SDI input

- Control via Ross DashBoard software
- Compatible with OG-X-FR, OG-3-FR and DFR-8321 openGear frames
- 6 watts max per card
- Five year warranty

DashBoard Initial Setup, Control, and Firmware Updates

Note: The Ross DashBoard software (free) is needed to update the OG-12G-AM firmware, configure, and monitor AJA openGear cards.

1. Check the AJA website for new firmware for your OG-12G-AM. 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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