

AJA OG-UDC – Release Notes v1.5.1

Release software v1.5.1 for OG-UDC

Introduction

This is the fifth release for firmware specifically for AJA OG-UDC openGear card (version 1.5.1).

Features, Updates and Improvements in v1.5.1

Version v1.5.1

- 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.

Features, Updates and Improvements in Previous Releases

Version v1.4.5

- Add Follow Input and Follow REF options for the output format.
- Improved processing of 1080p input signals.
- Improved PsF input detection for all formats.
- Removing support for 2K formats.

Version v1.2.1

- Added power LED functionality to follow the state of the card as displayed in dashboard. 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.

Version v1.1.2

- Updated the FPGA, and FW numbering to comply with Ross Video's versioning system to avoid a warning message during software upload.

Version v1.0.7

- Initial Firmware release for OG-UDC
- openGear compatible card
- Converts between SD, HD, and 3G HD formats
- Accepts input SDI formats up to 1080p 60 Hz
- Configurable SDI/HDMI outputs' formats from 525i 59.94 to 1080p 60 Hz
- 16-channel embedded SDI audio input and output
- 2-channel disembedded analog audio outputs
- Rear connector module included
- 2x 3-Pin Terminal Block connectors (included)
- Reference Source (Free Run, Card Ext, OG Frame Ext Ref 1 & 2)
- Genlock input
- Hot-swappable
- Controlled by DashBoard network control software and external DIP switch
- Compatible with OGX, OG3 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-UDC section of the AJA website:
<https://www.aja.com/products/og-UDC>

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-UDC. 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