

AJA OG-DANTE-12GAM - Release Notes

Firmware v1.4.0 for OG-DANTE-12GAM

Introduction

Firmware v.1.4.0 firmware update is compatible with all OG-DANTE-12GAM boards and adds support for SMPTE ST 2110-30, AES67, and RAVENNA audio over IP (AoIP) protocols, which greatly enhances the OG-DANTE-12GAM's operational flexibility. This firmware update first requires Dante Controller v.4.16.15 and Dante Updater v.2.8.4 to be installed on your computer. There are no new updates to the v1.2.9 software that is used with the Ross DashBoard user interface.

Component	Version	Update Using	Update Required in this Release
Software BIN File	v1.2.9	DashBoard	NO
Firmware DNT File	v1.4.0	Dante Controller	YES

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 [OG-DANTE-12GAM Support Page](#).

New Features, Fixes, Changes and Improvements in Firmware v1.4.0

Firmware v.1.4.0

- Firmware v.1.4.0 update is compatible with all OG-DANTE-12GAM boards.
- Firmware v.1.4.0 requires Dante Controller v.4.16.15 and Dante Updater v.2.8.4 in order to install properly. These must be installed or updated **first** before updating the OG-DANTE-12GAM v1.4.0 Firmware.
- Support for AES67:
 - The OG-DANTE-12GAM will generate AES67 flows with the following format:
 - • Multicast only • Non-redundant • Destination address in range 239.nnn.0.0 - 239.nnn.255.255 (239.nnn/16), port 5004 • Nnn can be configured using Dante

Controller. The default is 69. Must match receive address range • 48kHz sampling rate • 24-bit linear (L24) encoding • 1 msec packet time • Up to 8 channels per stream

- The OG-DANTE-12GAM will only consume AES67 flows with the following format:
 - • Multicast only • Non-redundant • Destination address in range 239.nnn.0.0 - 239.nnn.255.255 (239.nnn/16), port 5004. Must match destination address range • 48kHz sampling rate • L16 or L24 encoding • 25usec, 333usec, 1msec packet time • Up to 8 channels per stream
- Support for SMPTE ST 2110-30:
 - When connecting an OG-DANTE-12GAM to a 2110-30 source using Dante Domain Manager (DDM), ensure the "RTP Prefix V4" value matches the second octet of the 2110-30 multicast address. For example, if your 2110-30 source is at 239.69.1.1 port 12345, set "RTP Prefix V4" to "69". You can find the "RTP Prefix V4" parameter in DDM under Domains > "YOURDOMAINNAME" > ADVANCED SETTINGS.
- Support for RAVENNA as a compatible partner product.

Updating Firmware (Dante Updater v.2.8.4 or greater required)

Audinate's Dante Updater software (free) is a desktop application that allows you to update the Dante firmware and software on Dante hardware devices. Dante Updater software is installed automatically when you install Dante Controller.

The application is linked to an online database containing firmware update files for products from multiple manufacturers. When the application is connected to a Dante network, it scans the network and identifies the firmware versions for each discovered Dante device.

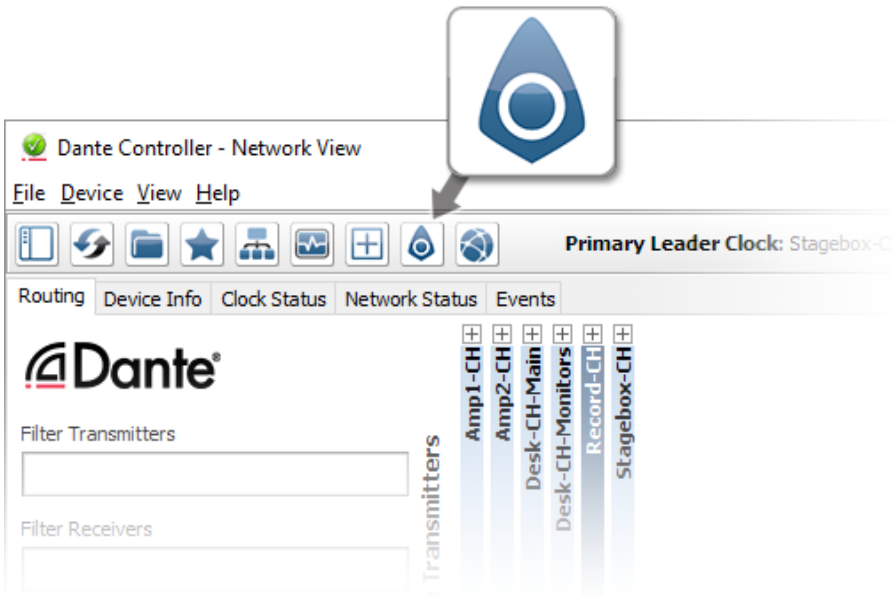
Dante Controller is available for download from Audinate's website.

Downloading a copy of Dante Controller:

1. Go to the Dante Controller download page:
<https://www.getdante.com/support/software-downloads/#dante-controller>
2. Choose your operating system.
3. Click the red download button.

Launching Dante Updater

To launch Dante Updater, click the button in the main toolbar:



If Dante Updater identifies one or more devices on your Dante network for which new firmware is available, a notification icon is displayed on the Dante Updater button in the main toolbar:



Launch Dante Updater to review the available updates and update the device(s).

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