



OG-DA-AV User Manual



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1.0 WHAT'S IN THE BOX

OG-DA-AV-SET-1

- 1 x OG-DA-AV-MB
- 1 x OG-DA-AV-RM

OG-DA-AV-SET-2

- 2 x OG-DA-AA-MB
- 1 x OG-DA-AA-RM2

2.0 Key Features

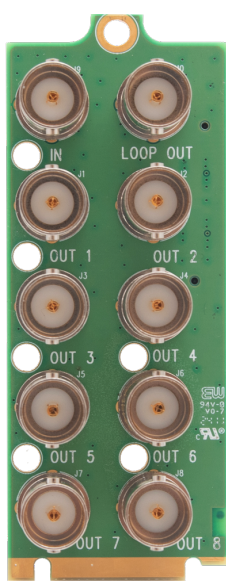
- OGX/3.0 card-based form factor.
- Dashboard control enabled
- Easy and intuitive seven-segment LED display to represent gain adjustments
- 1x8 analog video distribution amplifier with loopout
- Can fit up to 20 OG-DA-AV-MB in 2 RU with high density rear modules
- Supports card-edge control of EQ and gain control
- Supports input cable length of 1,000 ft (300m)
- Input provides differential or single-ended and hi-Z looping or card terminated operations
- Signal path can be set as DC or AC coupled
- User-selectable input clamping
- Low power consumption - less than 10 W.
- 5-year limited warranty

3.0 Specifications

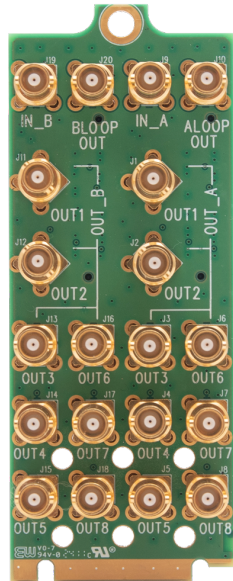
DESCRIPTION	Analog audio distribution amplifier
Product Name	OG-DA-AV
INPUT	
Impedance	User selectable as hi-Z looping or card-terminated 75Ω
Level	1 Vp-p , nominal
Modes	User selectable as differential/single-ended and AC or DC

	coupled
PERFORMANCE	
Gain	9dB
OUTPUT	
Impedance	75Ω
Level	1 Vp-p , nominal
GENERAL	
Power Requirements	+12 V, 210 mA idling
Dimensions	325mm x 76.8mm
Weight	135g

4.0 Rear Modules



OG-DA-AV-RM



OG-DA-AV-RM2

5.0 Dashboard Control

5.1 Getting Started

The Dashboard software is design to allow you to quickly access the feature sets of openGear form factor cards on a simple User Interface. This section will help you get up and running as quickly as possible.

5.2 Running Dashboard

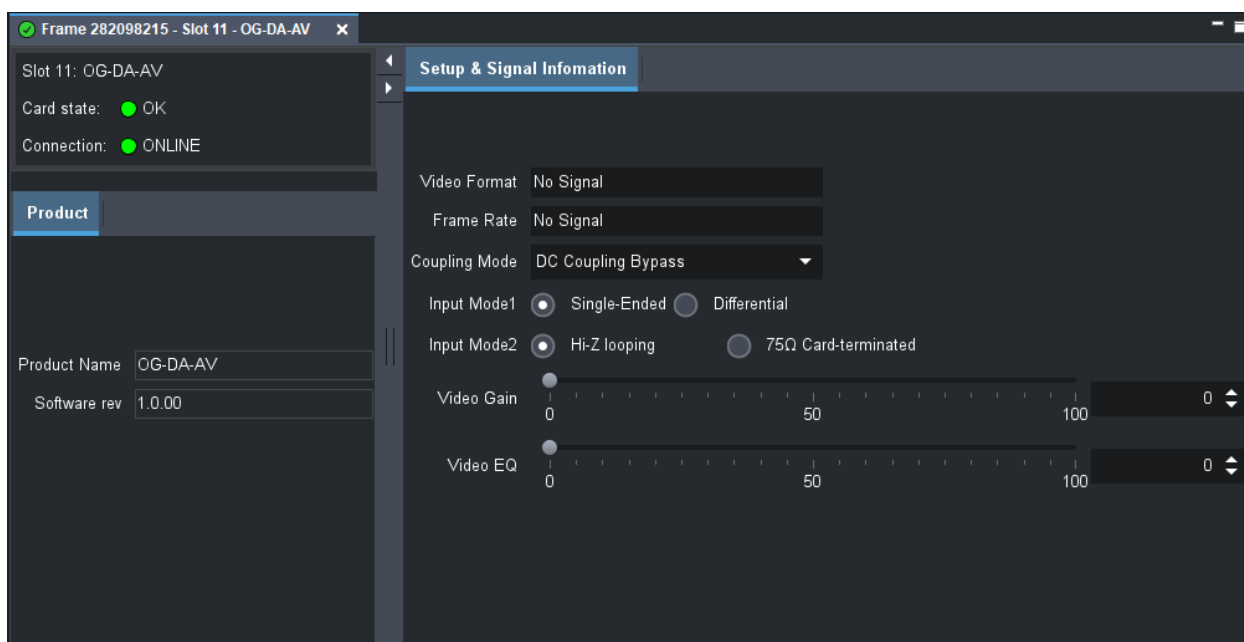
Before you can successfully run the Dashboard software for the first time you must first download it from <https://www.opengear.tv/frame-and-control/control-system/download/>. Run the downloaded setup file and choose an appropriate installation location on your computer's storage.

Now you can run the Dashboard by double clicking on the Dashboard icon.

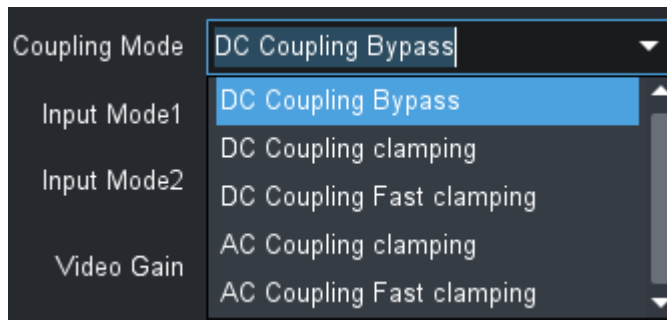
5.3 OG-DA-AV Dashboard

OG-HDM2.0-1x2-Dual is a very straight forward plug and play card.
The Dashboard interfaces are as follows,

5.3.1 Signal Status and configuration



5.3.2 Coupling Mode



Appendix A

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Apantac LLC (herein after referred to as "Apantac") warrants to the original purchaser of the products manufactured by Apantac (the "Product,") will be free from defects in material and workmanship for a period of three (3) year from the date of shipment of the Product to the purchaser.

If the Product proves to be defective during the three (3) year warranty period, the purchaser's exclusive remedy and Apantac's sole obligation under this warranty is expressly limited, at Apantac's sole option, to:

- (a) repair the defective Product without charge for parts and labor or,
- (b) provide a replacement in exchange for the defective Product or,
- (c) if after a reasonable time, is unable to correct the defect or provide a replacement Product in good working order, then the purchaser shall be entitled to recover damages subject to the limitation of liability set forth below.

Limitation of Liability

Apantac's liability under this warranty shall not exceed the purchase price paid for the defective product. In no event shall Apantac be liable for any incidental, special or consequential damages, including without limitation, loss of profits for any breach of this warranty.

If Apantac replaces the defective Product with a replacement Product as provided under the terms of this Warranty, in no event will the term of the warranty on the replacement Product exceed the number of months remaining on the warranty covering the defective Product.

Equipment manufactured by other suppliers and supplied by Apantac carries the respective manufacturer's warranty. Apantac assumes no warranty responsibility either expressed or implied for

equipment manufactured by others and supplied by Apantac.

This hardware warranty shall not apply to any defect, failure, or damage:

- a) Caused by improper use of the Product or inadequate maintenance and care of the Product.
- b) Resulting from attempts by those other than Apantac representatives to install, repair, or service the Product.
- c) Caused by installation of the Product in a hostile operating environment or connection of the Product to incompatible equipment.