

OCTAVA™

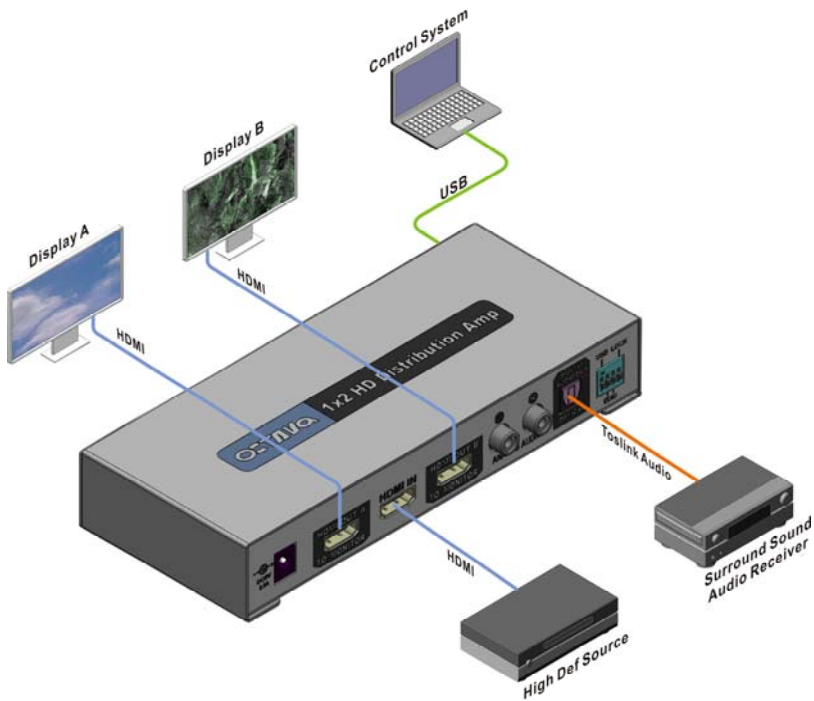
1x2 HD Distribution Amp

Model: HDDA12AD

Installation Guide

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Application Diagram

Installation:

- 1) Connect the Monitor(s) to the HDMI OUT ports
- 2) Connect the HDMI source to the HDMI INPUT
- 3) Connect the Analog Audio Outputs to AV receiver (optional)
- 4) Connect the Digital Audio Output to AV receiver (optional)
- 5) Connect the DC power adapter

Description:

The 1x2 HD Distribution Amp distributes HDMI audio and video to 2 HD Displays and enable easy integration with audio systems via 2 channel L/R Analog Audio or full surround sound using 5.1 Digital Optical Toslink connection.

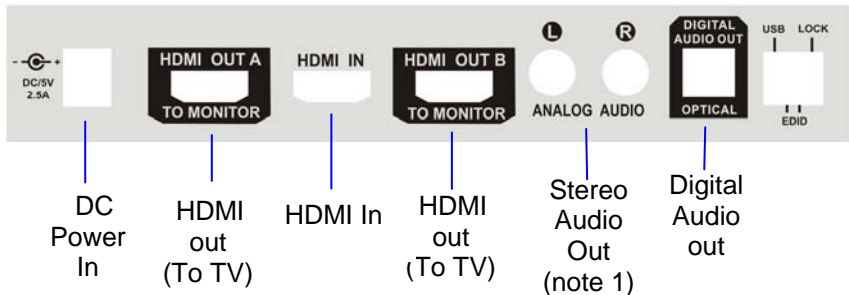
Features:

- 1 HDMI Input, 2 HDMI Output
- Full 1080P
- Digital Toslink Audio output for 5.1 surround sound integration
- 2Ch Analog Audio output for stereo integration. Note 1
- Audio interface supporting PCM, Dolby Digital, DTS digital audio at up to 192kHz frame rate
- Works with HDMI or DVI-D, HDCP-enabled HDTV.
- Supports high-resolution video 480 P, 720 I/P, 1080 I/P.

Front View



Back View



* The USB port is for service and EDID updates if needed. Contact us for this feature.

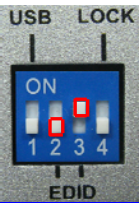
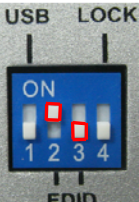
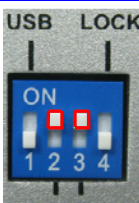

Note 1: 2 ch Analog output supports only 2 ch PCM incoming audio signal format. Audio source must be set to 2 ch PCM. Unit does not "downmix" 5.1 to 2 ch analog out

EDID Configuration:

The HDDA12AD can be configured to 4 EDID settings.
It is recommended to keep the EDID in the default factory mode 1.

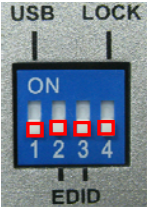
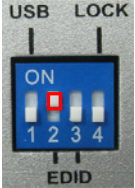


*Custom EDID mode can be downloaded via USB. Contact us for this feature.




To change the EDID settings, please see section “*changing EDID settings*” for programming instructions.

Mode	Video	Audio	Description	Switch settings
1	480P,720 I/P, 1080 I/P	PCM, Bitstream (Dolby Digital, DTS)	Default Mode. Internal EDID	
2	Read EDID of all monitors/receivers and set: Video=Minimum Resolution of devices connected.	Read EDID of all monitors/receivers and set: AUDIO =Maximum capability of devices connected	External EDID	
3	480P,720 I/P, 1080 I	2 CH PCM	Basic Mode. Internal EDID	
4	480P, 720 I/P, 1080 I/P, + 3D specifier	PCM, Bitstream (Dolby Digital, DTS)	3D Mode. Internal EDID	

Changing EDID mode:

It is recommended to keep the EDID in the factory default MODE1. If necessary, you may set to different EDID mode by following these instructions or view EDID Programming Instructions (video demo) at: <http://www.octavainc.com/support and updates.html>

Step	Action		Notes
1	Disconnect all sources and display from Distribution Amp		
2	Set switch 1,2,3,4 to down position as shown		
3	Set the EDID to the mode desired.(MODE 2 shown.)	See page 4 for other EDID modes	
4	Reset Power to the Distribution Amp by disconnecting the power and reconnecting power.	.	
5	The LED will now indicate the EDID Mode that you will program.	LED will flash: Flash 1x= mode 1 Flash 2x= mode 2 Flash 3x= mode 3 Flash 4x= mode 4	

6	Press the "Power/Standby" button on the front panel to start programming. LED will flash for ~2 min while programming.	Programming will take ~2 minutes. LED will flash while programming.	
7	Wait. Programming is complete when LED stops flashing.		
8	Set the Program/ LOCK switch #4 to LOCK Position (UP)		
9	Connect all video sources and displays to Distribution Amp and turn ON		
10	Re-power the Distribution Amp.		

Warranty

Octava warrants the equipment purchased to be free from defects in material and workmanship under normal use and service for a period of 1 year. In the event applicable law imposes any implied warranties, the implied warranty period is limited to 1 year from the date of receipt. If Octava's equipment fails because of defects (1) year from the date of receipt, Octava will at its option, A) repair or replace the equipment, or B) request return of equipment for refund of the price paid for the product provided that the equipment has not been subjected to mechanical, electrical or other abuse or modifications. Proof of sale required to claim warranty.

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Description	Specifications
MODEL	HDDA12AD
HDMI Inputs	1
HDMI Display Outputs	2
IN/Out Connectors	19 pin HDMI female type-A
Optical Toslink Digital Audio Output	1
L/R Stereo Analog Audio Output	1 (see note 1)
Single Link Range	480P, 720I/P, 1080I/P
Video Data Rate	6.75 Gbps
Vertical Frequency Scan Rate	24 / 50 / 60 Hz
Dimension	6.91 x 2.91 x 1.19 inch (175.5 x 74 x 30.1 mm)
DC adapter (included)	5VDC, 2.5A

*Note 1: 2 ch Analog output supports only 2 ch PCM incoming audio signal format. Audio source must be set to 2 ch PCM. Unit does not "downmix" 5.1 to 2 ch analog out

For Questions and support:

Email: info@octavainc.com

URL: www.octavainc.com

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