



USER MANUAL



DV-HDA-15 HDMI Distribution Amplifier

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LIT1371

Proprietary Information

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Unpacking

The DV-HDA-15 HDMI Distribution Amplifier package includes the following items;

- DV-HDA-15 HDMI Distribution Amplifier Unit x 1
- 12V/4A Power Supply Adapter x 1
- User manual x 1



Cautions:

1. FSR logo is a trademark of FSR Inc.
2. HDMI is a trademark of HDMI licensing, LLC.
3. Specification may be changed without any notice in order to improve the function of the product.
4. The design and specification of the product may be change without any prior notice.

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Description, General Specification

The DV-HDA-15 HDMI Distribution Amplifier allows one digital video source to be spilt into 5 digital displays. The built-in amplification and re-clock function enables HDMI signal distribution without signal loss.

ITEM	DESCRIPTION
Model Name	DV-HDA-15
Input Signal	HDMI V1.3a
Output Signal	HDMI V1.3a , 5ports,
Internal EDID Resolution	720p/1080i, 1080p@2ch audio,1080p@5ch audio, 800x600, 1024x768,1280x1024, 1360x768, 1366x768, 1400x1050, 1600x900, 1600x1200, 1680x1050,1920x1200
External EDID Resolution (Save from display)	480i/p to 1080P@60Hz XGA to WUXGA@60Hz
HDCP Support	Supports all IN & OUT ports
Power Consumption	DC +12V ,13W Max
Dimension	11.18" (284mm) W x 6.3" (160mm)D x 1.73" (44 mm) H
Weight	3.3 lbs. (1.5 Kg)

Description

High Quality Picture - No Signal Loss and Digital Noise Free

Signal Amplification for signal reliability and long length signal transmission.

The DV-HDA-15 Distribution Amplifier provides the quality you would expect from FSR, for home and commercial applications. The unit features 5 outputs and signal boosting power for long cable runs up to 33ft, this HDMI Distribution Amp is ready for duty in home theaters, restaurants, churches, retail outlets, trade shows...the list goes on and on.

Our 12V power adapter supplies adequate power to amplify the video signals from the video source. This is necessary as the overall length from the video source to the displays is longer when using the distribution amplifiers (distance from the video source to the distribution amplifier + distance from the distribution amplifier to the display). In most cases, the overall distance that the HDMI signal will need to travel is over 10 ft. Due to the nature of HDMI signals, amplification is necessary to ensure video quality and reliability. (Without amplification, there may be occasional blackouts or blinking effects or no sound) With this amplification feature, the video display can be extended up to 33ft using high quality HDMI copper cables.

Our HDMI distribution amplifiers are fully HDCP compliant. Many video sources such as Blue-ray players and Satellite/Cable Receivers are HDCP encrypted. For these video sources to be displayed correctly, the displays must be HDCP compliant devices (e.g., TV / Projector, Distribution amplifier).

Features

- 5 HDMI Outputs, 1 Input
- Signal Boosting for Long Cable Runs
- LED Indicator Lights
- Half-Rack Size
- Heavy-Duty All-Metal Construction
- Versatile - Home or Commercial Use

Video Connections:

1. Connect your video source's HDMI/DVI output port to the DV-HDA-15's HDMI input port using standard HDMI cables (not included). Make sure your HDMI source and displays are turned off before connecting the cables.
2. Connect your display's HDMI input port to DV-HDA-15's HDMI output port. Make sure your display is turned off before connecting the cables.
3. Plug the 12V power supply into the HD-D105N's power input port.
4. Plug the 12V wall mount power supply into the wall outlet.
5. Turn on Distributor power.
6. Turn on your displays.
7. Turn on your video source.

Input signals on status



No input signal status



External EDID and Internal EDID Set up*

***If your display shows the correct input audio & video signals, skip this part (Default EDID:1080p@60hz 2ch audio)**

External EDID Set up:

1. Disconnect Input HDMI cable,
2. Connect Monitor or HDTV to "**OUTPUT 1**" back panel of distributor
3. Turn on distributor and Display / Projector power
4. Enter Menu and select input1 for EXT EDID mode

For Input1



EDID data load Error



5. Follow the "**Video Connection**" steps to reconnect all devices

Internal EDID selection:

To use factory pre-programmed EEPROM EDID data:

1. Disconnect input HDMI cable on DV-HDA-15
2. Turn on distributor power
3. Select one of the "INTERNAL EDID" settings by using the menu key.
Please refer to the Internal EDID list in the "**Technical Specification**".
4. Push the Enter key to save the desired setting.

**EXT EDID LOAD
OUT1 to IN1**

**1080i 2ch EDID
Save PORT IN1**

**EDID 1080P Mult
Save PORT IN1**

5. Connect all cables
6. Power cycle the DV-HDA-15 and HDMI source.

Mechanical Specifications

Dimensions:	DV-HDA-15: 11.18" (284mm) W x 6.3" (160mm) D x 1.73" (44 mm) H
DC 12V:	DC Power Input (+12 V)
POWER:	Power On / Off Switch
IN1:	Input signal detect Indication LED
OUT1 to 5:	Status of detect displays LED
INPUT:	HDMI Input port
OUTPUT:	5 HDMI Output ports

Technical Specification

Frequency bandwidth: 2.25 Gbps (HDMIv1.3)

Internal EDID list:

1. EXT EDID Mode
2. 800x600@60hz
3. 1024x768@60hz
4. 1280x1024@60hz
5. 1360x768@60hz
6. 1366x768@60hz
7. 1400x1050@60hz
8. 1600x900@60hz
9. 1600x1200@60hz
10. 1680x1050@60hz
11. 1920x1200@60hz
12. 1920x1080i@60hz, 2ch audio
13. 1920x1080p@60hz, 2ch audio
14. 1920x1080p@60hz, 5ch audio

External EDID: Up to WUXGA (1920x1200)@60Hz, HDTV 1080p@60Hz, 7ch audio

Input: HDMI Female 1port

Outputs: HDMI Female 5 ports

Power supply: DC 12V, 4A Adapter included.

Troubleshooting

Problem	Solution
Distribution Amplifier will not operate	<p>Make sure the 12V power is plugged in the back of the unit.</p> <p>Check to see if the power & status LED light is on.</p>
No picture(or signal) Or Poor picture	<ol style="list-style-type: none"> 1. In case your video source is HDCP enabled, make sure your video display (HDTV) is HDCP compliant. 2 Image stability is influenced by cable quality and cable length. 3. Try the other high quality HDMI cables. 4. If you are using computers, try other lower resolutions settings. Some HDTV's support 720p rate of 60Hz and computer's video cards are usually set at higher resolution and refresh rate (75Hz). 5. Make sure all HDMI connectors are tightly secured to all HDMI ports. 6. Turn off all equipments (video source, distributor and Display) and restart all equipments.
Incorrectly sized picture /resolution or No picture	<p>Please remember that your video source will only support one resolution setting. If To connect 1080p resolution display and 1080i/720p resolution display, the resolution setting of your video source must be set to the lower resolution setting (720p)</p>

Limited Warranty

The DV-HDA-15 is warranted against failures due to defective parts or faulty workmanship for a period of three years after delivery to the original owner. During this period, FSR will make any necessary repairs or replace the unit without charge for parts or labor. Shipping charges to the factory or repair station must be prepaid by the owner, return-shipping charges (via UPS Ground) will be paid by FSR.

This warranty applies only to the original owner and is not transferable. In addition, it does not apply to repairs done by other than the FSR factory or Authorized Repair Stations.

This warranty shall be cancelable by FSR at its sole discretion if the unit has been subjected to physical abuse or has been modified in any way without written authorization from FSR. FSR's liability under this warranty is limited to repair or replacement of the defective unit.

FSR will not be responsible for incidental or consequential damages resulting from the use or misuse of its products. Some states do not allow the exclusion of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Warranty claims should be accompanied by a copy of the original purchase invoice showing the purchase date (if a Warranty Registration Card was mailed in at the time of purchase, this is not necessary). Before returning any equipment for repair, please read the important information on service below.

SERVICE

Before returning any equipment for repair, please be sure that it is adequately packed and cushioned against damage in shipment, and that it is insured. We suggest that you save the original packaging and use it to ship the product for servicing. Also, please enclose a note giving your name, address, phone number and a description of the problem.

NOTE: all equipment being returned for repair must have a Return authorization (RMA) Number. To get a RMA Number, please call the FSR Service Department (1-800-332-FSR1). Please display your RMA Number prominently on the front of all packages.

CONTACT INFORMATION

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