

# DISTRIBUTION AMPLIFIERS

1 X 16 18GBPS DISTRIBUTION AMPLIFIER WITH ADVANCED EDID MANAGEMENT



## QUICK START GUIDE

AVProEdge's line of Distribution Amplifiers offer full 18Gbps HDMI distribution to multiple displays. This is ideal for bars, restaurants, homes, etc. where you would like to watch one source on multiple displays. If distribution for more displays is needed, multiple DAs can be daisy chained together.

This Quick Start Guide will walk you through the installation and configuration of the AC-FRESCO-DA116. We will cover:

- INSTALLATION
- EDID MANAGEMENT
- DAISY CHAINING
- USB CONNECTION
- TROUBLESHOOTING

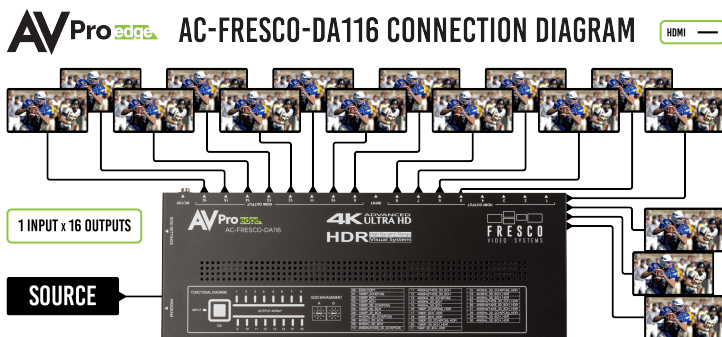
### INSTALLATION:

For basic setups where a simple HDMI splitter is needed, each DA in our line is Plug & Play. Follow these steps:

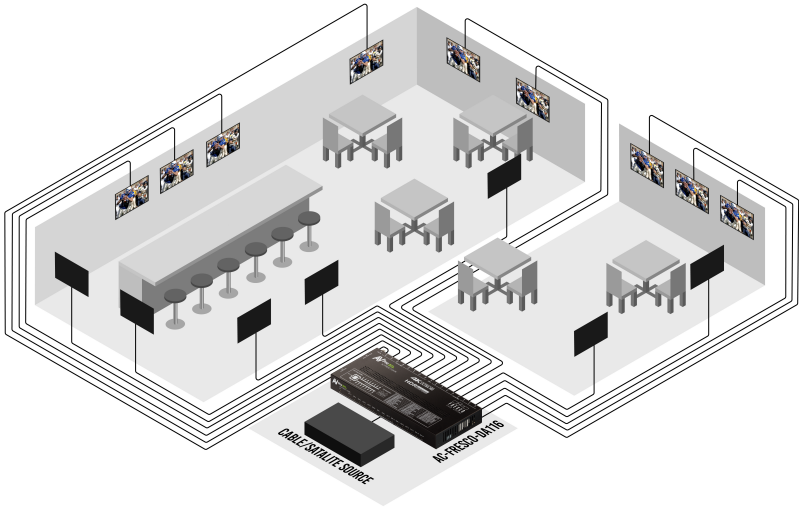
1. Using an 18Gbps HDMI cable, connect the source to the "INPUT" of the DA
2. Using an 18Gbps HDMI cable, connect each "OUTPUT" of the DA to a display.
3. Connect power to the DA using the included power supply

\*NOTE - There is no "Power" button. The unit will power on once the power supply is connected.

Here is an example of a setup with an AC-DA12-AUHD-GEN2 connecting one source to two displays:



Here is an example of a setup with the AC-FRESCO-DA116 connecting one source to sixteen displays:



## EDID MANAGEMENT:

Advanced EDID management is built into each DA model. This allows you to select from a multitude of different presets, including Daisy Chain mode and "from display" (EDID Copy). This gives you the ability to get the right signal throughout the system and ensures communication with virtually any device.

EDID management on the AC-FRESCO-DA116 uses 2 rotary dials

Rotary dial 1 represents the first digit in the desired setting while Rotary dial 2 represents the second. The default mode is "00" (both rotary dials on "0"). In this mode the DA will copy the EDID from the sink (display) that is plugged into "OUTPUT 1". To use a different EDID follow the guide on the next page.



**Rotary 1**  
First Digit

**Rotary 2**  
Second Digit

## EDID DIAL SETTINGS:

00: EDID Copy	16: 4K60Hz_3D_2CH(PCM)
01: 1080P_2CH(PCM)	17: 4K60Hz_3D_6CH
02: 1080P_6CH	18: 4K60Hz_3D_8CH
03: 1080P_8CH	19: 1080P_2CH(PCM)_HDR
04: 1080P_3D_2CH(PCM)	20: 1080P_6CH_HDR
05: 1080P_3D_6CH	21: 1080P_8CH_HDR
06: 1080P_3D_8CH	22: 1080P_3D_2CH(PCM)_HDR
07: 4K30Hz_3D_2CH(PCM)	23: 1080P_3D_6CH_HDR
08: 4K30Hz_3D_6CH	24: 1080P_3D_8CH_HDR
09: 4K30Hz_3D_8CH	25: 4K30Hz_3D_2CH(PCM)_HDR
10: 4K60Hz(Y420)_3D_2CH(PCM)	26: 4K30Hz_3D_6CH_HDR
11: 4K60Hz(Y420)_3D_6CH	27: 4K30Hz_3D_8CH_HDR
12: 4K60Hz(Y420)_3D_8CH	28: 4K60Hz_3D_2CH(PCM)_HDR
13: 4K60Hz(Y420)_3D_2CH(PCM)_HDR	29: 4K60Hz_3D_6CH_HDR
14: 4K60Hz(Y420)_3D_6CH_HDR	30: 4K60Hz_3D_8CH_HDR
15: 4K60Hz(Y420)_3D_8CH_HDR	31: Daisy Chain

\*NOTE - Each DA comes from the factory in "EDID COPY" mode. We do this for maximum "Plug & Play" compatibility

## CASCADE MODE:

Cascade Mode will allow you to daisy chain multiple DAs together. This may be desired for large installations with extra long HDMI runs or if you'd like to add more displays than what the DA can handle. To use Cascade Mode follow these steps:

### AC-DA12-AUHD-GEN2 & AC-DA14-AUHD

- 1) Start with the power off
- 2) Use a preset EDID (from the guide above) on the first DA in the series.
- 3) Set the dip switches to "00" (all down)
- 4) Connect the source via HDMI to the "INPUT" of the DA
- 5) Power up the system

## USB CONNECTION:

This connection is used for firmware updates or for control. For a full list of the commands please see the owner's manual.



## TROUBLESHOOTING:

Having problems? Here are some general troubleshooting tips that may help:

1. Be sure that all of the HDMI cables in a 4k/HDR system are rated for 18Gbps.
2. If using short HDMI cables (.5m, 1m) try a longer cable. Some short HDMI cables do not sync well.
3. Getting no picture or sound? Power down the entire system. Power it back up starting with the display first and work your way back to the source.
4. If you are still having issues after troubleshooting, feel free to contact our Tech Support department.

\*NOTE - Each DA has LEDs that can help you troubleshoot the unit. LED's indicate Hot Plug Detect on both Input and Outputs

**HAVE A QUESTION OR NEED ASSISTANCE?  
DON'T HESITATE TO CONTACT US!**

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