

HD-DA-2 1-to-2 HDMI® Distribution Amplifier and Audio Converter

DO Check the Box

QUANTITY	PRODUCT	PART NUMBER
1	Power Pack, 24 Vdc 0.75 A, 100-240 Vac	2045865

DO Configure the Device

Configure the Crestron® HD-DA-2 using DIP switches 1-7. The default setting of the DIP switches is OFF.



NOTE: DIP switch 8 is not used.

Refer to the following table for DIP switch functions and associated settings.

DIP Switch Functions		DIP Switch Settings						
		1	2	3	4	5	6	7
Audio Input Source Selection	HDMI IN	OFF						
	SPDIF Source	ON						
SPDIF Source, Audio Embedding ¹	AUDIO IN, SPDIF, RCA		OFF					
	AUDIO IN, OPTICAL		ON					
Audio EDID Control ²	Copy HDMI OUT 1 Audio EDID			OFF	OFF			
	Copy HDMI OUT 2 Audio EDID			ON	OFF			
	LBR (DTS, AC3) or 2CH PCM			OFF	ON			
	2CH PCM Only			ON	ON			
Audio/Video EDID Control (Primary EDID Control)	Copy HDMI 1 EDID (Audio/Video) ³					OFF	OFF	OFF
	Copy HDMI 2 EDID (Audio/Video) ³					ON	OFF	OFF
	Copy HDMI 1 EDID (Video Only) ⁴					OFF	ON	OFF
	Copy HDMI 2 EDID (Video Only) ⁴					ON	ON	OFF
	Best Common Resolutions (Video Only) ⁴					OFF	OFF	ON

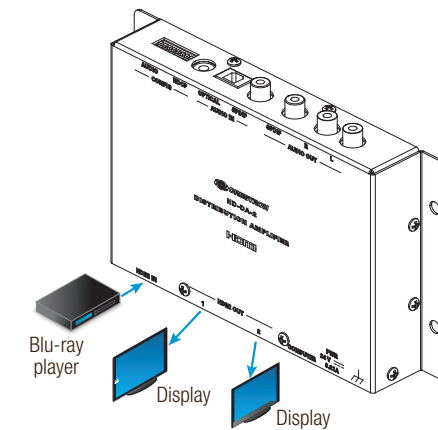
1. DIP switch 1 must be ON
 2. May be overridden by DIP switches 5, 6, and 7
 3. Overrides audio EDID set by DIP switches 3 and 4
 4. DIP switches 3 and 4 control audio EDID

NOTE: Depending on the audio/video application, a DIP switch setting may be ignored.

NOTE: If DIP switch settings are changed after power is applied to the device, cycle power to the device in order for the new DIP switch settings to be applied.

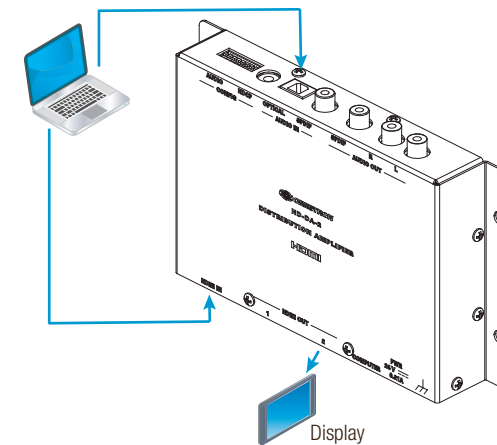
The following sections provide sample configurations and associated DIP switch settings for video distribution, audio embedding, and audio extraction applications.

Video Distribution: The HD-DA-2 can be used to distribute one HDMI® video source to two devices using their best common video EDID information. In the example below, one HDMI video source, a Blu-ray™ player, connects to the HDMI IN port of the HD-DA-2. Two displays connect to the HDMI OUT 1 and HDMI OUT 2 ports on the HD-DA-2. The DIP switch settings shown below configure the HD-DA-2 to both distribute video from the Blu-ray player to the two displays using their best common video resolutions and to send 2CH PCM to both displays.



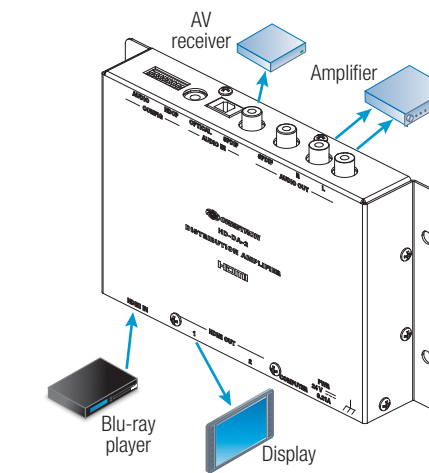
DIP switch 2, represented by an X, is ignored.

Audio Embedding: The HD-DA-2 can be used to embed digital audio from DVI or HDMI sources that do not transmit audio with the video (for example, video from a computer via a DVI-to-HDMI conversion cable). Digital audio must then be sent to the HD-DA-2 separately from the video. In the example below, the video output from a computer connects to the HDMI IN port of the HD-DA-2. The digital audio output from the computer connects to the AUDIO IN OPTICAL port of the HD-DA-2. A display connects to the HDMI OUT 2 port on the HD-DA-2. The DIP switch settings shown below configure the HD-DA-2 to receive video at the HDMI IN port, to embed audio from the OPTICAL port, and to send audio and video to the HDMI OUT 2 port.



DIP switches 3 and 4, each represented by an X, are ignored.

Audio Extraction: The HD-DA-2 can be used to extract audio from an HDMI source and feed the audio to an AV receiver or amplifier or to both devices. In the example below, the HDMI source, a Blu-ray player, connects to the HDMI IN port on the HD-DA-2. An AV receiver connects to the AUDIO OUT SPDIF port, and an amplifier connects to the AUDIO OUT R and L ports. The DIP switch settings shown below configure the HD-DA-2 to route audio from the Blu-ray player to the AV receiver and amplifier.



DIP switch 2, represented by an X, is ignored.

DO Set the HDCP Keys

Using the rotary switch and a small screwdriver, set the required number of HDCP keys. The rotary switch allows up to 16 keys to be set: A-F correspond to 10-15, and 0 corresponds to 16.

NOTE: If a rotary switch setting is changed after power is applied to the device, cycle power to the device in order for the new rotary switch setting to be applied.

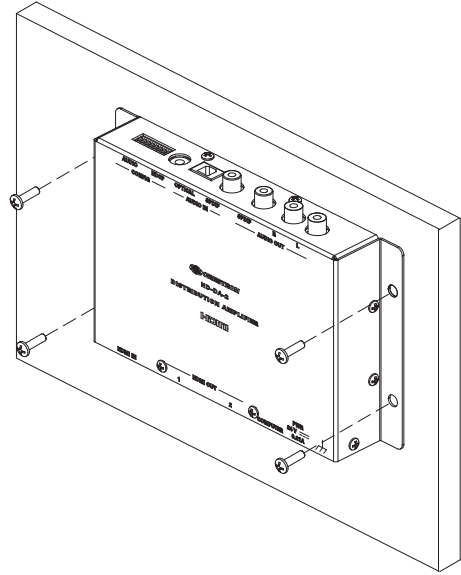


DO Install the Device

The HD-DA-2 can be mounted onto a wall or a rack rail as appropriate for the installation.

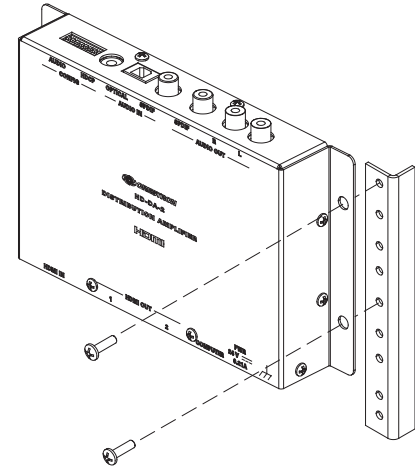
Mounting onto a Wall

Using four mounting screws (not included), mount the device onto a wall.



Mounting onto a Rack Rail

Using two mounting screws (not included), mount the left or right mounting flange of the device onto the front or rear rail of a rack.



DO Learn More

Visit the website for additional information and the latest firmware updates. To learn more about this product, use a QR reader application on your mobile device to scan the QR image.

Crestron Electronics

15 Volvo Drive, Rockleigh, NJ 07647

888.CRESTRON | www.crestron.com



As of the date of manufacture, the product has been tested and found to comply with specifications for CE marking.



This product is Listed to applicable UL® Standards and requirements tested by TUV.
Ce produit est homologué selon les normes et les exigences UL applicables par TUV

Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada (IC) Compliance Statement

CAN ICES-3(B)/NMB-3(B)

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This document was written by the Technical Publications department at Crestron.

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The product warranty can be found at www.crestron.com/warranty.