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DA3-24-H, DA3-28-H Quick Start Guide

This guide helps you install and use your DA3-24-H, DA3-28-H for the first time.

Go to www.kramerav.com/downloads/DA3-24-H to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

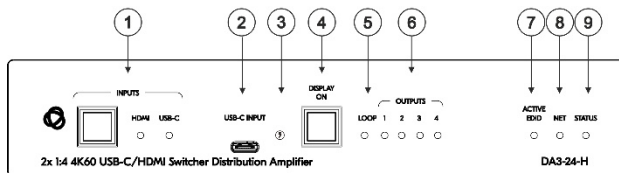
✓ DA3-24-H / DA3-28-H HDMI Switcher Distribution Amplifier

✓ 1 Power cord and adapter
✓ Set rubber foot

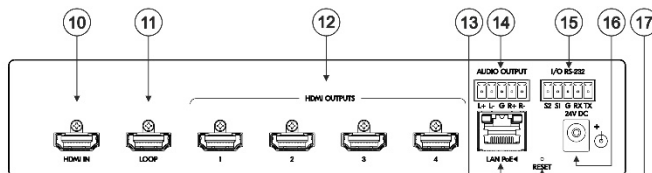
✓ 1 Quick start guide
✓ USB-C cable

Step 2: Get to know your DA3-24-H, DA3-28-H

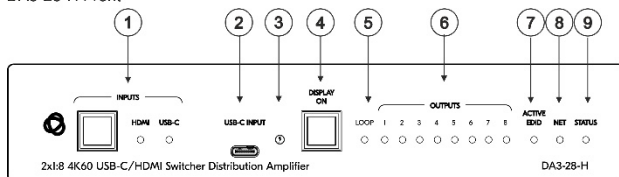
DA3-24-H Front



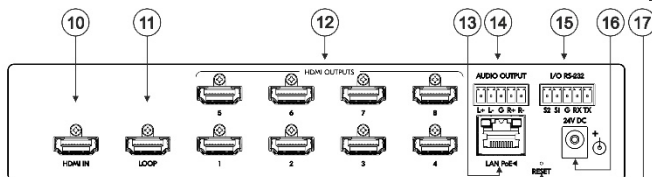
DA3-24-H Rear




DA3-28-H Front



DA3-28-H Rear



#	Feature		Function
1	LEDs	INPUTS	Press to toggle between HDMI and USB-C inputs.
		HDMI	LED lights blue when an active input is detected and selected. LED lights green when an active input is detected (but not selected).
		USB-C	LED lights blue when an active input is detected and selected. LED lights green when an active input is detected (but not selected).
2	USB-C INPUT		Connect to USB-C AV source: <ul style="list-style-type: none"> that supports DisplayPort Alternate Mode, (for example, a laptop) to share content. to charge the connected source (that supports USB Power Delivery 3.0). <i>i</i> While charging, the charging icon (to the right of the connector) becomes visible and lights yellow.
3	USB-C Charge LED		While charging, the charging icon becomes visible and lights yellow.
4	DISPLAY ON Button		Press to mute/unmute the AV outputs. LED lights orange when the AV outputs are muted.
5	LOOP LED		LED lights blue when a local display is connected and an active input is selected.
6	OUTPUTS LED	DA3-24-H (X4)	LEDs light blue when an output(s) is connected and active.
		DA3-28-H (X8)	
7	ACTIVE EDID LED		LED status
			Indicates
			Yellow
			Default EDID is active
			Blue
			Output-acquired EDID is active (the default EDID is 4k@60 4:4:4)
			Green
			Custom EDID is active

#	Feature		Function	
8	NET LED		LED status	Indicates
			Dark	No IP address acquired.
			Green	A valid IP address has been acquired.
			Flashes green for 60s	A means to identify the device in a system, using command #IDV (Flag Me).
			Flashes red/white	IP fallback address has been acquired.
			Red	Security-blocked IP-access.
9	STATUS LED		LED status	Indicates
			White	Stand-by
			Red	Power On
10	HDMI IN Connector		Connects to the HDMI source.	
11	LOOP Connector		Connect to a local HDMI display.	
12	HDMI OUTPUTS Connectors	DA3-24-H (X4)	Connect to the HDMI acceptors.	
		DA3-28-H (X8)		
13	LAN PoE ◀ RJ-45 Connector		LAN connector for managing the unit over the network. This port can provide PoE to power the unit.	
14	AUDIO OUTPUT 5-pin Terminal Block Connector		Connect to a balanced stereo analog audio acceptor.	
15	I/O RS-232 5-pin Terminal Block Connector (GND is common for I/O and RS-232).	I/O (S1-S2)	Connect to: <ul style="list-style-type: none">Input-triggering devices (for example, remote buttons or sensors), OROutput-triggered devices (for example, remote alarm LED indication). Each of these GPIO ports may be configured as a digital input, digital output, or an analog input port.	
		RS-232 (Rx, Tx,)	<ul style="list-style-type: none">Connect and control the DA3-24-H unit (default), ORConnect to an RS-232 controlled device (for example, the connected PTZ USB camera) to be controlled via the unit's control gateway functionality.	
16	24V DC Power Connector		<ul style="list-style-type: none">When the unit is not PoE powered, connector enabling power supply to the unit.Use the included 24V 6A power supply for powering the unit and charging the source device connected to the USB-C port.	
			 Make sure to use your Kramer 24V Power Supply!	
17	RESET		For restoring factory default settings, press the RESET button and connect power to device.	

Step 3: DA3-24-H, DA3-28-H

Install **DA3-24-H**, **DA3-28-H** using one of the following methods:

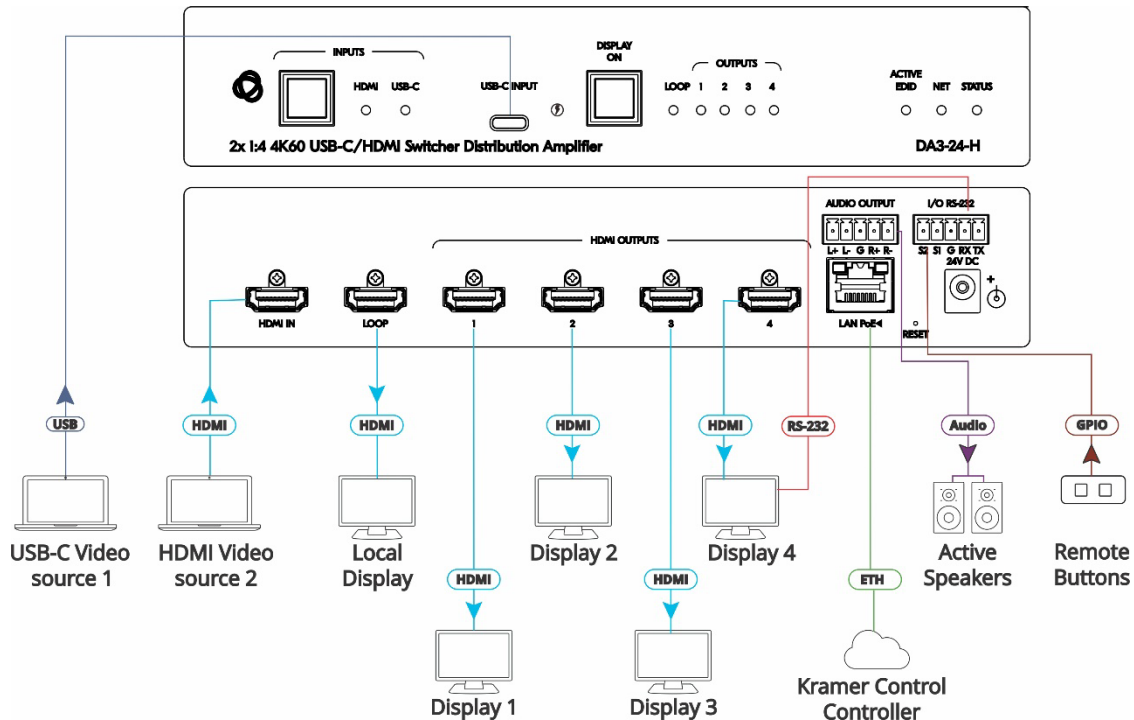
1. Attach the rubber feet and place the unit on a flat surface (included in the box).
2. Mount the unit under table brackets RK-19N (option).
3. Mount the unit in a rack using the recommended rack adaptor RK-1 (option).



- Ensure that the environment (e.g., maximum ambient temperature & air flow) is compatible for the device.
- Avoid uneven mechanical loading.
- Appropriate consideration of equipment nameplate ratings should be used for avoiding overloading of the circuits.
- Reliable earthing of rack-mounted equipment should be maintained.
- Maximum mounting height for the device is 2 meters.

Step 4: Connect inputs and outputs

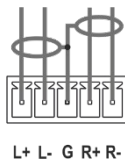
Always switch OFF the power on each device before connecting it to your **DA3-24-H**, **DA3-28-H**.



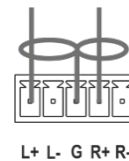
Regarding power options, see next section.

Connecting the audio output

To a balanced stereo audio acceptor:



To an unbalanced stereo audio acceptor:



Step 5: Connect power

If not powering via PoE, connect the power adaptor to the **DA3-24-H**, **DA3-28-H** and the power cord and plug it into the mains electricity.



Safety Instructions (See www.kramerav.com for updated safety information)

Caution:

- For products with relay terminals and GPIO ports, please refer to the permitted rating for an external connection, located next to the terminal or in the User Manual.
- There are no operator serviceable parts inside the unit.

Warning:

- Use only the power cord that is supplied with the unit.
- Disconnect the power and unplug the unit from the wall before installing.
- Make sure to use your Kramer 24V Power Supply**

Step 6: Operate DA3-24-H, DA3-28-H

Operate DA3-24-H, DA3-28-H via:

- Front panel buttons.
- Remotely, by IP or RS-232 serial commands transmitted by a touch screen system, PC, or other serial controller.
- Device web pages via the IP client connection.
- External GPIO devices.

RS-232 Control / Protocol 3000			
Baud Rate:	115,200	Parity:	None
Data Bits:	8	Command Format:	ASCII
Stop Bits:	1		
Example: (get FW version): #VERSION?<CR>			
Default IP Parameters – DHCP ON			
Fallback IP Address:	192.168.1.39	UDP Port #:	50000
Subnet mask:	255.255.0.0	TCP Port #:	5000
Gateway:	192.168.1.1	User/Password	Admin/Admin
Factory Reset			
Protocol 3000:	"#factory" command.		
Web Pages:	In the Settings page, click Factory Reset.		

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