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MTX3-42-HU Quick Start Guide

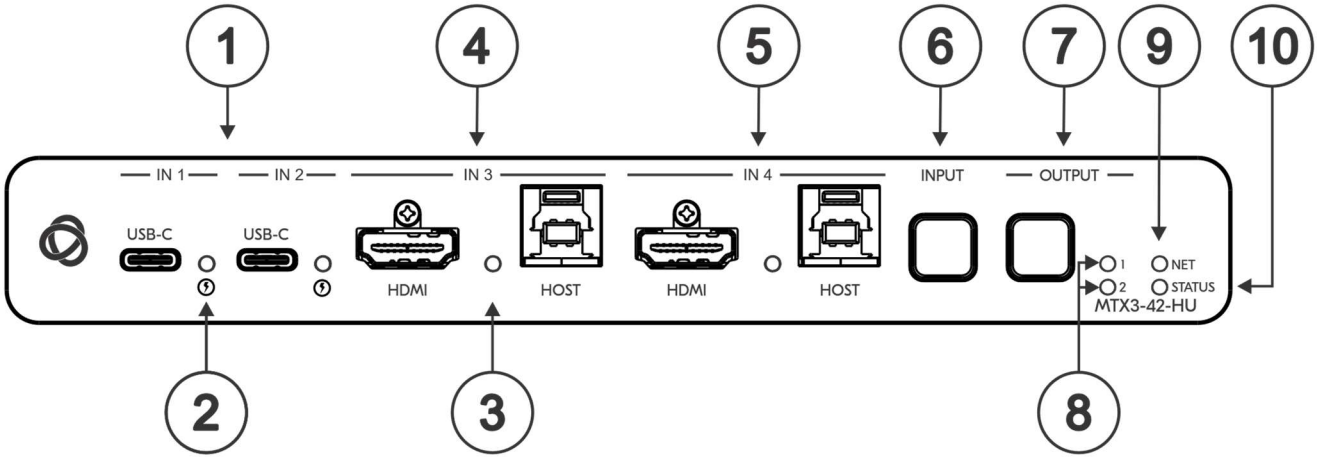
This guide helps you install and use your **MTX3-42-HU** for the first time.

Go to http://www.kramerav.com/downloads/MTX3-42-HU to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

- **MTX3-42-HU** 4x2 4K60 USB-C/HDMI Matrix
- 1 Bracket set
- 1 Quick start guide
- Power cord(s) and adaptor
- 4 Rubber feet
- 1 Multi signal USB-C cable (1m)

Step 2: Get to know your MTX3-42-HU



#	Feature		Function	
1	IN 1 & IN 2 Ports		Connect to a USB-C AV source that supports DisplayPort Alternate Mode. The connected source can be charged to 100W IN1 and 60W for IN2 via USB Power Delivery 2.0).	
2	USB-C Charging LEDs (per input port)		While charging the connected USB-C port, the charging icon becomes visible and lights orange.	
3	IN 1, IN 2, IN 3 & IN 4 Status LEDs (per input port)		**LED Status**	**Indicates**
			Lights green	The input is selected and connected with the selected USB host and no AV source is detected
			Lights blue	An input is selected and connected with the active AV source
			Flashes blue	The input is selected and has no active AV signal.
			Off	No input signal is detected.
4	IN 3 & IN 4 Ports	HDMI	Connect to an HDMI source.	
5		HOST USB B 3.1 Connector	Connect to a USB host (for example, a room PC) to communicate with the USB devices.	
6	INPUT Button		Press to select the input routed to the output indicated by the lit OUTPUT LED. Each press advances to the next input – after IN4, it returns to IN1.	
7	OUTPUT Button		Press to select to which output the signal will be routed when the INPUT selection button is pressed. (Press to toggle between OUT1 and OUT 2).	
8	OUTPUT LEDs (1 or 2)		**LED Status**	**Indicates**
			Lights blue	Displays the output that will be routed when an input is selected by pressing the INPUT button.

MTX3-42-HU Quick Start
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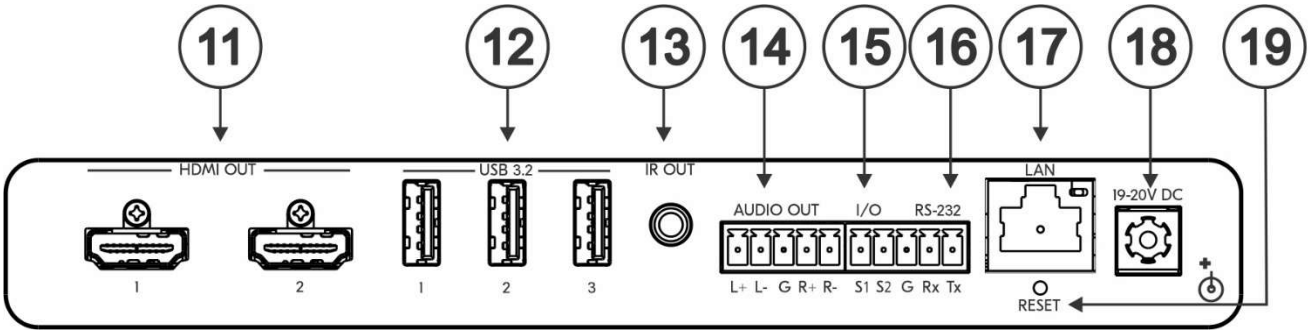
P/N: 2900-301894QS Rev: 1

#	Feature	Function	
9	NET LED	**LED Status**	**Indicates**
		Not lit	No network detected.
		Lights green	A valid IP address has been acquired.
		Flashes red/yellow	IP fallback address has been acquired.
		Flashes for 60s	Response to Find-me. (Identifies the device in a system, using the #IDV command).
		Flashes red	802.1x authentication failed.
10	STATUS LED	**LED Status**	**Indicates**
		Lights green	Unit has booted up and is running.
		Lights white	Input selected but no input AV connected



#	Feature	Function
11	HDMI OUT Connector	Connect to an HDMI acceptor.
12	USB DEVICE Type A Port (1 to 3)	Connect to the devices (for example, a USB camera, a soundbar, microphone and so on).
13	IR OUT 3.5mm Mini Jack	Connect to an infrared emitter to send IR signals via the IR gateway.
14	AUDIO OUT 5-pin Terminal Block Connector	Connect to a balanced stereo analog audio acceptor (for example, a power amplifier or DSP system).
15	I/O 2-pin Terminal Block (S1 to S2)	Connect to: • Input-triggering devices (for example, remote buttons or sensors), **OR** • Output-triggered devices (for example, remote alarm LED indication). Each GPIO port may be configured as a digital input, digital output, or analog input.
16	RS-232 3-pin Terminal Block	RS-232 port, configurable as: • A port for controlling MTX3-42-HU via RS-232 using P3K commands, **OR** • An IP gateway for controlling an external RS-232 device
17	LAN RJ-45 Connector	Connect to LAN.
18	19/20V DC Power Connector	Connect to the supplied power adapter.
19	RESET Recessed Button	To restore the factory default settings: • Press and hold the RESET button while connecting power to the device. To restore factory default settings, but without changing the IP settings: • Press and hold the RESET button for ~6 seconds (when the device is already powered on and operational)

Step 3: Mount MTX3-42-HU

- Mount device with its optional RK-T2B-B https://www1.kramerav.com/product/RK-T2B-B to the underside of the table and secure.

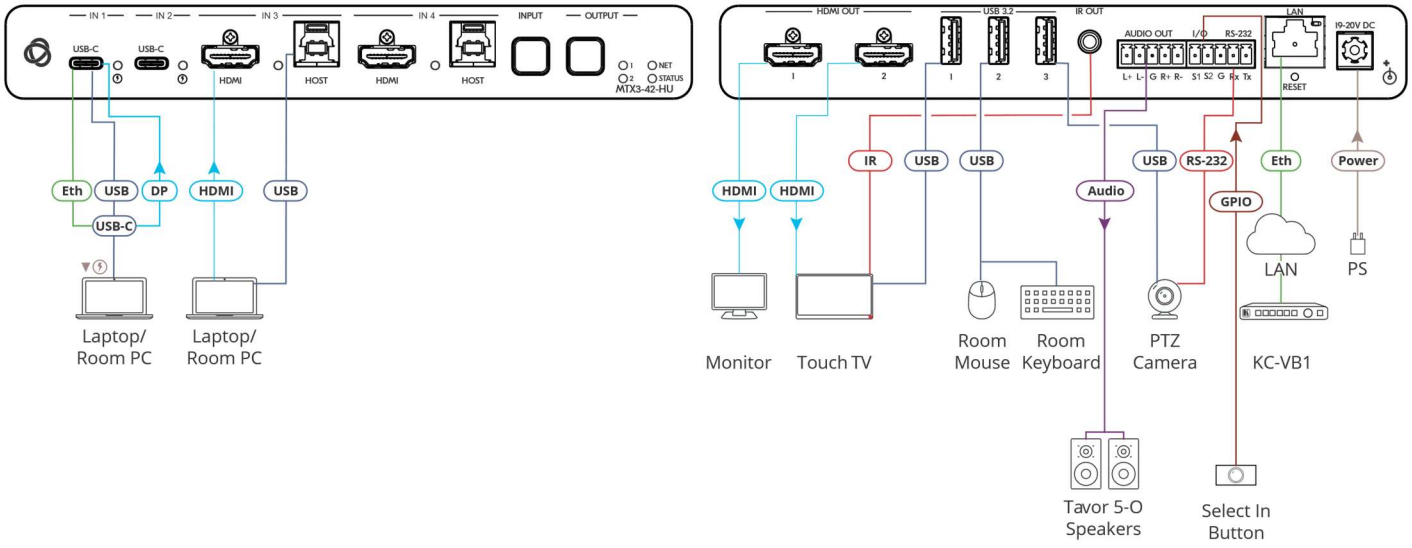
Mount MTX3-42-HU on a surface using one of the following methods:

- Attach the rubber feet and place the unit on a flat surface.
- Mount the unit in a rack using the recommended rack adapter https://www1.kramerav.com/Product/RK-1

- 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.

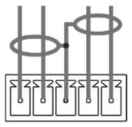
Step 4: Connect inputs and outputs

Always switch OFF the power on each device before connecting it to your **MTX3-42-HU**.

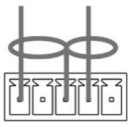


Connecting the audio output

To a balanced stereo audio acceptor:



To an unbalanced stereo audio acceptor:



Step 5: Connect power

Connect the 20V power to the adapter power cord and to **MTX3-42-HU** and plug it into the mains electricity.

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

Caution:

- For products with relay terminals and GPI\O 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.

Step 6: Operate MTX3-42-HU

Operate **MTX3-42-HU** 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.

RS-232 Control / Protocol 3000			
Baud Rate:	115,200	Parity:	None
Data Bits:	8	Command Format:	ASCII
Stop Bits:	1		
Example: (flash LEDs on the front panel for 60 seconds): `#FLAG-ME<CR>`			
Default IP Parameters – DHCP ON			
Fallback IP Address:	192.168.1.39	UDP Port #:	50000
Subnet mask:	255.255.255.0	TCP Port #:	5000
Gateway:	192.168.0.1	User/Password	Admin/Admin
Factory Reset			
Protocol 3000:	"#factory" command.		
Web Pages:	In the Settings page, click Factory Reset.		

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