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## MTX2-42-T Quick Start Guide

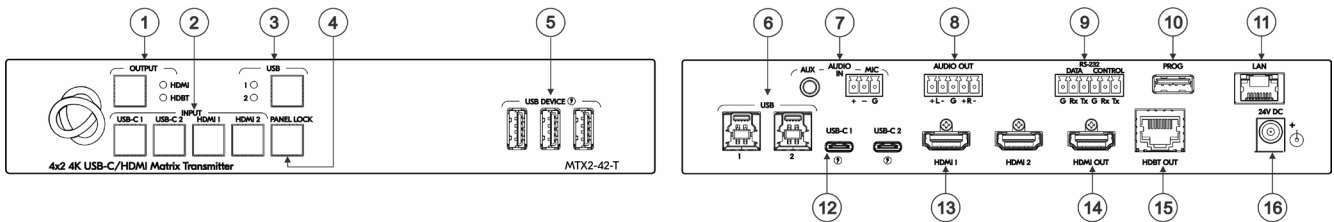
This guide helps you install and use your **MTX2-42-T** for the first time.

Go to <http://www.kramerav.com/downloads/MTX2-42-T> to download the latest user manual and check if firmware upgrades are available.

### Step 1: Check what's in the box

- ✔ MTX2-42-T Matrix Transmitter
- ✔ Set rubber foot
- ✔ 1 USB-C cable
- ✔ 1 Power supply and cord
- ✔ 1 Quick start guide

### Step 2: Get to know your MTX2-42-T



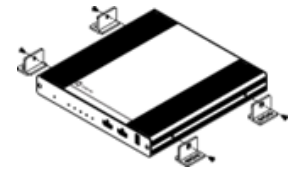
#	Feature	Function	
1	OUTPUT	Select Button	
	HDMI/HDBT LEDs	LED lights green when selected.	
2	INPUT Buttons	USB-C (1 and 2)	<ul style="list-style-type: none"> <li>Press to select a USB-C input. Button illuminates when that input is selected.</li> <li>Press and hold the OUTPUT and the USB-C-1 buttons simultaneously, for 3 seconds, to update the FW.</li> <li>Press and hold the OUTPUT and the USB-C-2 buttons simultaneously, for 3 seconds, for FACTORY RESET.</li> </ul>
		HDMI (1 and 2)	Press to select an HDMI input. Button illuminates when that input is selected.
3	USB	Select Button	Press to select the USB HOST port to connect to the USB devices
		1 & 2 LEDs	Lights green when selected.
4	PANEL LOCK Button	Press and hold to lock/unlock the front panel buttons. Button illuminates when front panel is locked.	
5	USB 3.0 DEVICES Type A Connectors (3)	Connect to USB devices. The user can select which USB host is connected to the USB devices.	
6	USB 3.0 Host Type B Connectors (1 and 2)	Connect to USB hosts.	
7	AUDIO IN	AUX 3.5mm Mini Jack	Connect to an unbalanced analog audio source (for example, the audio output of the laptop).
		MIC 3-pin Terminal Block	Connect to a dynamic or condenser (with 48V phantom power) microphone.
8	AUDIO OUT 5-pin Terminal Block	Connect to a balanced stereo audio acceptor (for example, active speakers).	
9	RS-232	DATA 3-pin Terminal Block Connector	Connect to a control device serial port for extension over the HDBT connection.
		CONTROL 3-pin Terminal	Connect to a serial controller or PC to control MTX2-42-T or to a serially-

		Block Connector	controlled device port for its control via the MTX2-42-T.
10	PROGRAM USB Type-A Connector		Connect to a PC to perform a firmware upgrade.
11	LAN RJ-45 Connector		Connect to the LAN.
12	USB-C Connectors (1 and 2)		Connect to USB-C AV sources: <ul style="list-style-type: none"> <li>• that support DisplayPort Alternate Mode, for example, a laptop) to share content.</li> <li>• to communicate with the USB devices (for example, a PTZ camera) that are connected to the device,</li> <li>• to connect the selected source to the LAN.</li> <li>• to charge the selected / connected source(s).</li> </ul>
13	HDMI Connectors (1 and 2)		Connect to HDMI sources.
14	HDMI OUT Connector		Connect to an HDMI acceptor.
15	HDBT OUT RJ-45 Connector		Connect to a compatible HDBT RJ-45 connector on a paired receiver device.
16	24V DC Connector		Connect to the supplied power adapter.

### Step 3: Mount MTX2-42-T

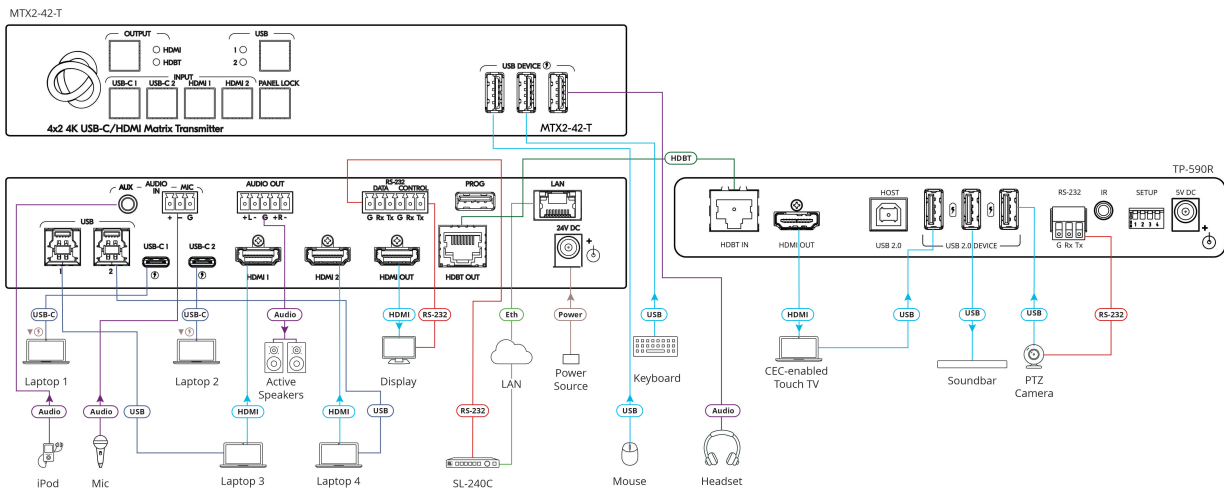
Install MTX2-42-T using one of the following methods:

- Attach the rubber feet and place the unit on a flat surface.
- Fasten a bracket (included) on each side of the unit and attach it to a flat surface (see [www.kramerav.com/downloads/MTX2-42-T](http://www.kramerav.com/downloads/MTX2-42-T)).
- Mount the unit in a rack using the recommended rack adapter (see [www.kramerav.com/product/MTX2-42-T](http://www.kramerav.com/product/MTX2-42-T)).



- 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

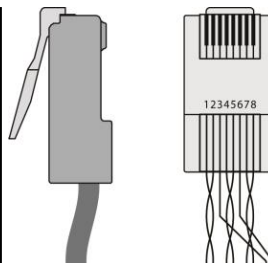


## Wiring the RJ-45 Connectors

This section defines the TP pinout, using a straight pin-to-pin cable with RJ-45 connectors.

It is recommended that the cable ground shielding be connected/soldered to the connector shield.

EIA / TIA 568B	
PIN	Wire Color
1	Orange / White
2	Orange
3	Green / White
4	Blue
5	Blue / White
6	Green
7	Brown / White
8	Brown



To achieve specified extension distances, use the recommended Kramer cables available at [www.kramerav.com/product/MTX2-42-T](http://www.kramerav.com/product/MTX2-42-T). Using third-party cables may cause damage!

## Step 5: Connect power

### To power the device:

Connect the power adapter to MTX2-42-T

Safety Instructions (See [www.kramerav.com](http://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.

## Step 6: Operate MTX2-42-T

Operate MTX2-42-T via:

- Front panel buttons.
- Remotely, by RS 232 serial commands transmitted by a touch screen system, PC, or other serial controller.
- Embedded web pages via the Ethernet.

### RS-232 Control / Protocol 3000

Baud Rate:	115,200	Parity:	None
Data Bits:	8	Command Format:	ASCII
Stop Bits:	1		

Example: (Set the Audio out volume level to 75): #AUD-LVL 1,1,75

### 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:	0.0.0.0		