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TP-600TR Quick Start Guide

This guide helps you install and use your TP-600TR for the first time.

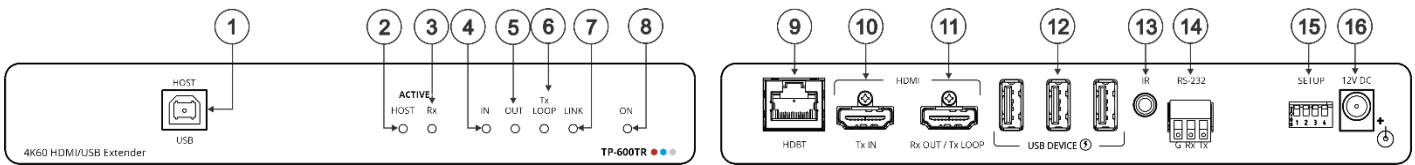
Go to www.kramerav.com/downloads/TP-600TR to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

- ✓ TP-600TR 4K60 HDMI/USB Extender
- ✓ 1 Bracket set
- ✓ 1 Quick start guide
- ✓ 1 Power adapter and cord
- ✓ 4 Rubber feet

Step 2: Get to know your TP-600TR

The extender device functions as a transmitter or a receiver side per DIP-switch setting (see [Step 4: Connect inputs and outputs](#)).



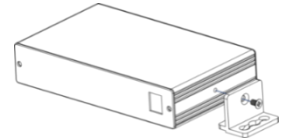
#	Feature	Function	
1	HOST USB B 2.0 Connector	Connect to the USB host (for example, a laptop) to communicate with the USB peripheral devices (for example, a smart board) connected to USB device ports on either the transmitter or the receiver sides of the extender (see Step 4: Connect inputs and outputs).	
2	ACTIVE HOST LED	Lights orange when the USB host side is active	
3	ACTIVE Rx LED	Lights green when the extender receiver function is active	
4	IN LED	Lights blue when an active HDMI input signal is detected on HDMI IN.	
5	OUT LED	Lights blue when an output acceptor device is connected.	
6	TX LOOP	Transmitter mode	Lights blue an active signal is transmitted on the Tx LOOP port.
		Receiver mode	N/A
7	LINK LED	Lights green when the HDBT active link connection is established.	
8	ON LED	Lights green when the device receives power.	
9	HDBT RJ-45 Connector	Connect to the HDBT RJ-45 connector on a paired receiver/transmitter device (for example, a second TP-600TR device).	
10	HDMI TX IN Connector	Transmitter mode	Connect to an HDMI source.
		Receiver Mode	N/A
11	HDMI Rx OUT/Tx LOOP Connector	Transmitter mode	Connect to a local acceptor.
		Receiver mode	Connect to an HDMI acceptor.
12	USB A 2.0 Fast-Charging Connectors (3)	Connect to the USB local peripheral devices (for example, a USB camera, a soundbar, microphone and so on).	
13	IR 3.5mm Mini Jack Connector	Connect to an external IR emitter to control a local IR-controlled device from the remote extender (for example, TP-600TR).	
		Connect to an IR sensor to control a remote IR-controlled device connected to the remote extender side (for example, TP-600TR).	
14	RS-232 3-pin Terminal Block	Connect to a controller device (for example, SL240C) to control a remote device via serial connection (for example, the remotely connected PTZ USB camera).	
15	SETUP 4-way DIP-switch	Sets the device behavior (see Step 4: Connect inputs and outputs).	
16	12V DC Power Connector	Connect to the power supply.	

The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Step 3: Mount TP-600TR

Install TP-600TR 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/TP-600TR).
- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/TP-600TR).



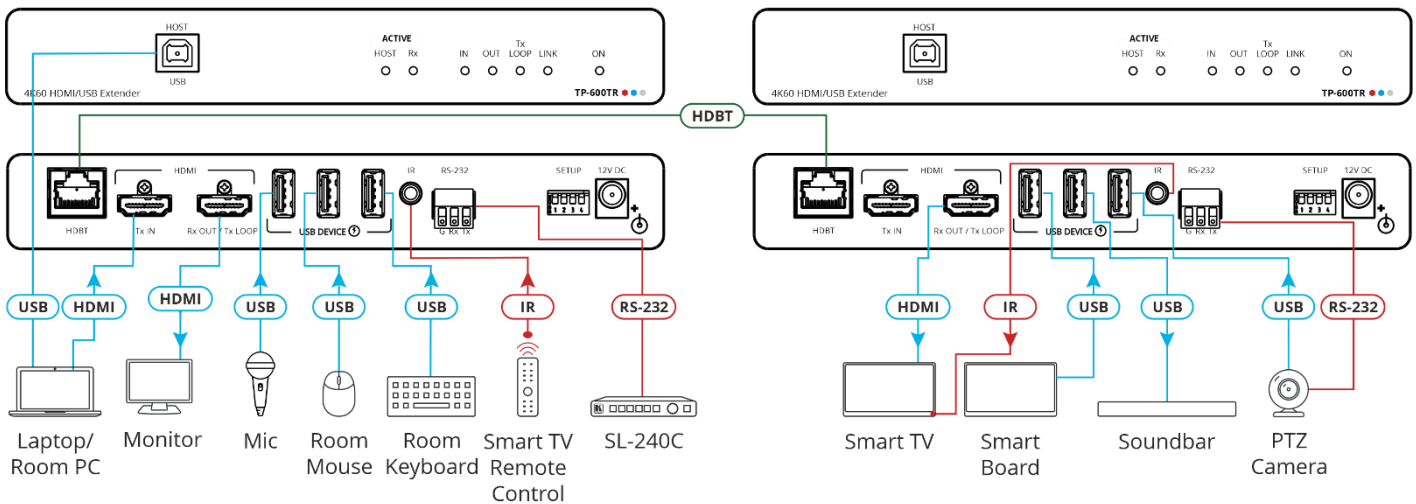
- Ensure that the environment (e.g., maximum ambient temperature & air flow) is compatible for the device.
- Avoid uneven mechanical loading.
- Appropriate consideration of equipment nameplate ratings should be used for avoiding overloading of the circuits.
- Reliable earthing of rack-mounted equipment 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 TP-600TR extender.

Transmitter Side

Receiver Side



Wiring the RJ-45 Connectors

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

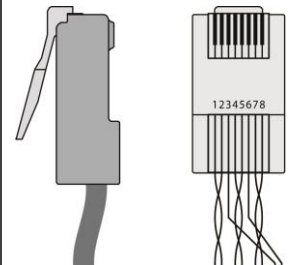


For HDBT cables, it is recommended that the cable ground shielding be connected/soldered to the connector shield.



To achieve specified extension distances, use the recommended Kramer cables available at www.kramerav.com/product/TP-600TR. Using third-party cables may cause damage!

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

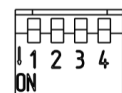


Setting the DIP Switches

- All DIP-switches are set to OFF (up) by default
- All changes in DIP-Switches apply immediately, on-the-fly (no need to power cycle the device), except for DIP-switches 1 and 2.

#	Feature	DIP-switch Settings
1	Device Operation Mode	OFF (up) – Receiver mode is active. ON (down) – Transmitter mode is active.
2	Active USB Host port	OFF (up) – Host is active. ON (down) – Host is inactive (active on remote paired device).
3	Define IR Pass-through	OFF (up) – Pass-through the IR signal to or from the IR cable. ON (down) – Add IR modulation (38kHz) to the IR output signal (applies only when the IR port is connected to an IR emitter cable).
4	Programing RS-232	Off (up) – Normal operation mode is enabled (FW programming RS-232 is inactive). On (down) – FW programming RS-232 is active.

SETUP



Step 5: Connect power

Connect the power cord to TP-600TR 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.

