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TP-580CT Quick Start Guide

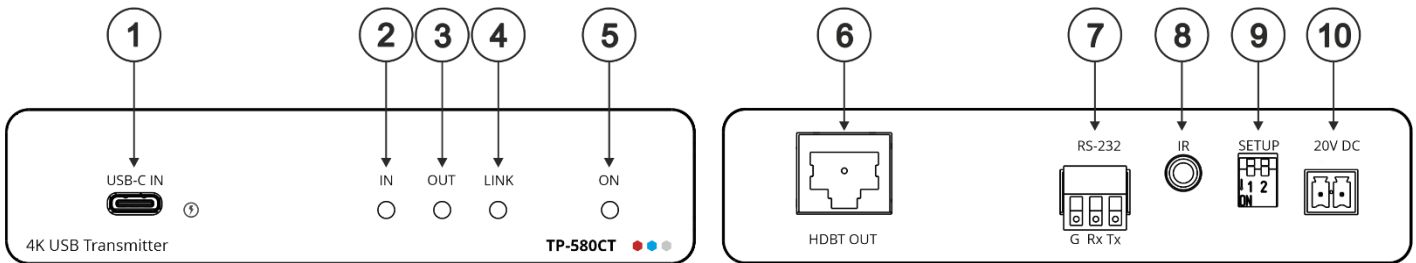
This guide helps you install and use your TP-580CT for the first time.

Go to www.kramerav.com/downloads/TP-580CT to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

- ✓ TP-580CT 4K USB Transmitter
- ✓ 1 Bracket set
- ✓ 1 Quick start guide
- ✓ 1 Power adapter and cord
- ✓ 4 Rubber feet

Step 2: Get to know your TP-580CT

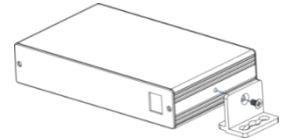


#	Feature	Function																
1	USB-C IN Connector	Connect to a USB-C AV source (that supports DisplayPort Alternate Mode). Charges sources (that support USB Power Delivery 2.0) up to 60W. While charging, the charging icon (to the right of the connector) becomes visible and lights orange.																
2	IN LED	Lights blue when a USB-C input device is connected.																
3	OUT LED	Lights blue when an HDMI output device is detected on the receiver side.																
4	LINK LED	Lights green when the HDBT connection is active.																
5	ON LED	Lights green when receiving power.																
6	HDBT OUT RJ-45 Connector	Connects to the HDBT IN RJ-45 connector on a receiver (for example, TP-580R).																
7	RS-232 3-pin Terminal Block Connector	Connects to a PC/serial controller to control the remote controlled unit (for example, the display on the receiver).																
8	IR 3.5mm Mini Jack	Bidirectional IR connection. Outputs a received IR signal (from the HDBT receiver) to connected IR emitter or transmits an IR signal (from IR sensor) to the HDBT receiver.																
9	SETUP DIP-Switches	Set DIP-switches. By default, DIP-switches are set to OFF (up). Changes in DIP-switch settings apply immediately. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DIP #</th> <th>Description</th> <th>State</th> <th></th> </tr> </thead> <tbody> <tr> <td rowspan="2">1</td> <td rowspan="2">IR output modulation</td> <td>OFF (up) – default</td> <td>IR pass-through is disabled (38KHz modulation to IR output signal is added).</td> </tr> <tr> <td>ON (down)</td> <td>IR pass-through is enabled.</td> </tr> <tr> <td rowspan="2">2</td> <td rowspan="2"></td> <td>OFF (up) – default</td> <td>Normal operation.</td> </tr> <tr> <td>ON (down)</td> <td>FW upgrade via RS-232 is enabled.</td> </tr> </tbody> </table>	DIP #	Description	State		1	IR output modulation	OFF (up) – default	IR pass-through is disabled (38KHz modulation to IR output signal is added).	ON (down)	IR pass-through is enabled.	2		OFF (up) – default	Normal operation.	ON (down)	FW upgrade via RS-232 is enabled.
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10	20V DC	+20V DC 6A connector for powering the unit and charging the connected input device.																

Step 3: Mount TP-580CT

Install **TP-580CT** using one of the following methods:

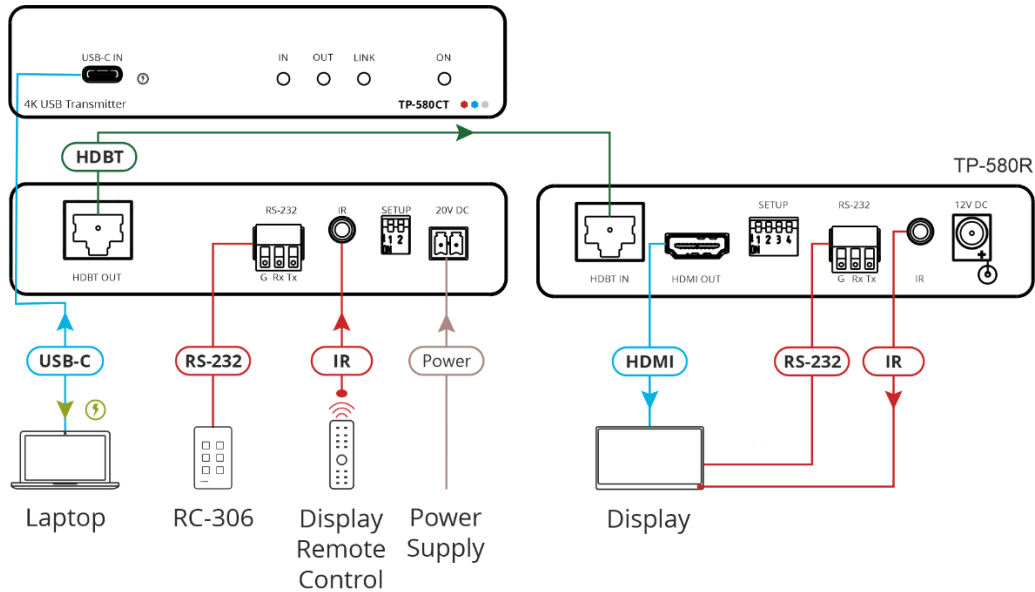
- Attach the rubber feet and place the unit on a flat surface.
- Fasten a bracket (included) on each side of the unit and attach it to a flat surface (see www.kramerav.com/downloads/TP-580CT).
- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/TP-580CT).



- 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-580CT**.

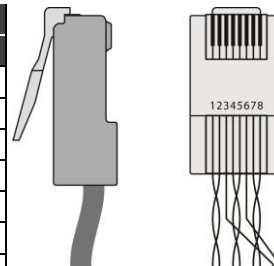


Wiring the RJ-45 Connectors

This section defines the TP 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.

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



Step 5: Connect power

Connect the adapter to **TP-580CT** 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.

