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TP-752T/TP-752R Quick Start Guide

This guide helps you install and use your TP-752T/TP-752R for the first time.

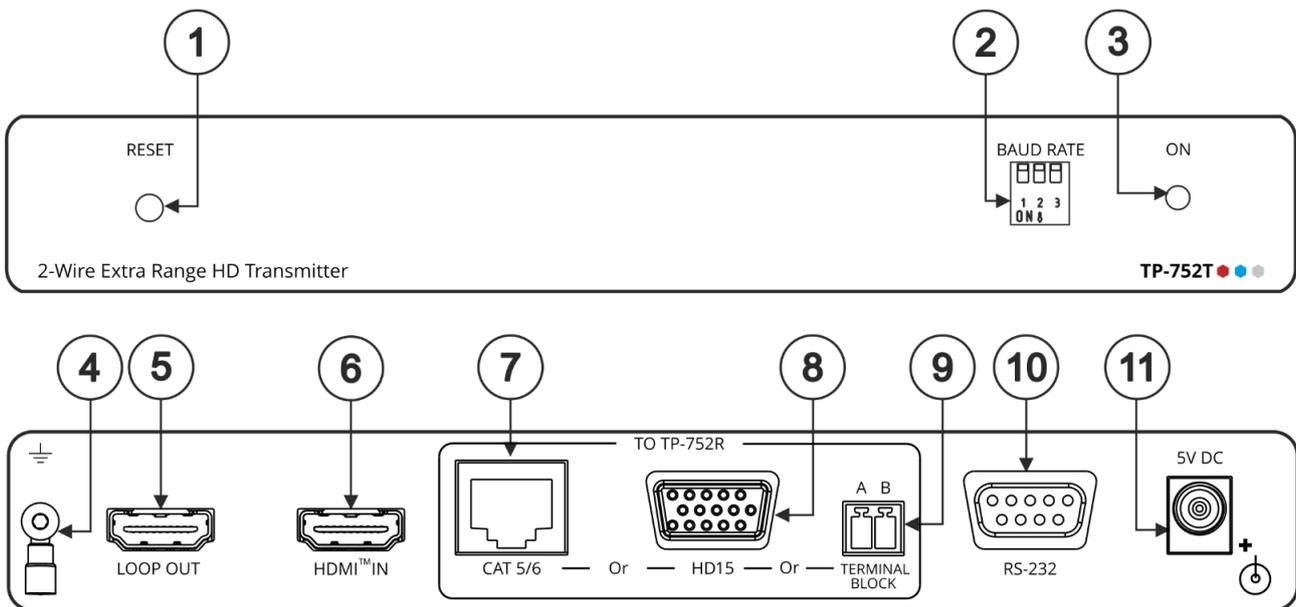
Go to www.kramerav.com/downloads/TP-752T to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

- TP-752T 2-Wire Extra Range HD Transmitter /
TP-752R 2-Wire Extra Range HD Receiver
- Power adapter
 Quick start guide
- Bracket set
 Rubber feet

Step 2: Get to know your TP-752T/TP-752R

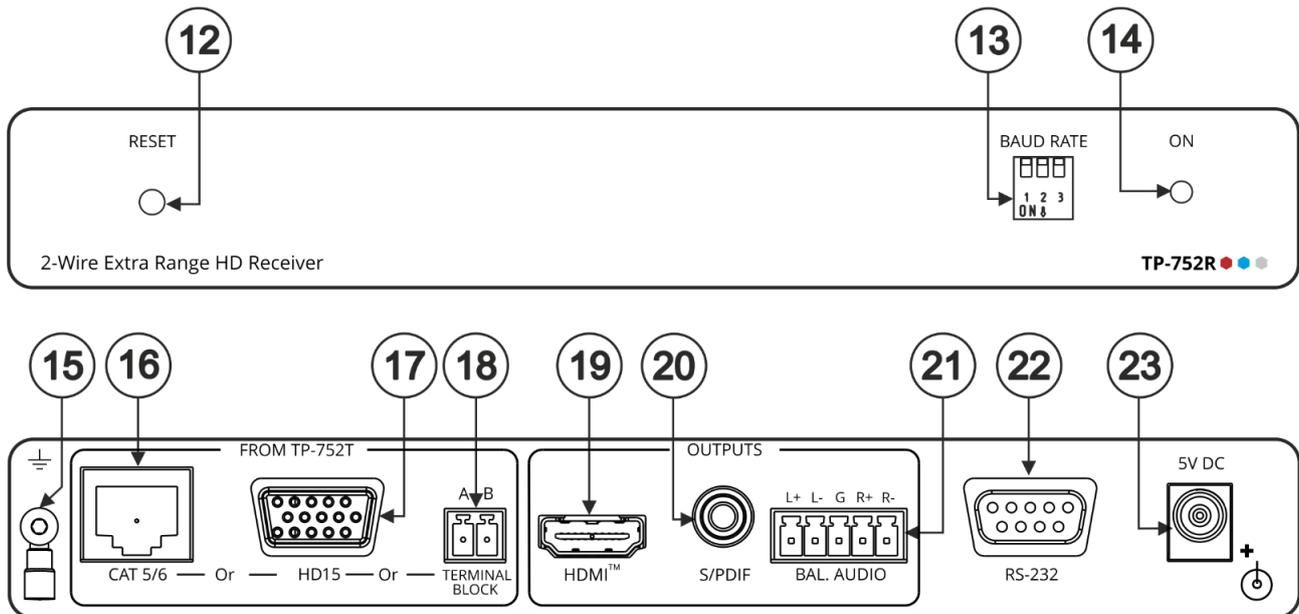
TP-752T 2-Wire Extra Range HD Transmitter



#	Feature	Function
1	RESET Recessed Button	Press to reset the device.
2	BAUD RATE DIP-switches	Set the RS-232 baud rate (baud rate on TP-752T and TP-752R should be identical).
3	ON LED	Lights green when the device is powered.
4	Ring Tongue Terminal Ground Screw	Use to shield the cable between the transmitter and the receiver, for example, when using coax cabling or 2-wire shielded cabling connected to the terminal block. Note that for multiple TP-752T / TP-752R systems in close proximity, it is highly recommended to use shielded cable.
5	LOOP OUT HDMI Connector	Connect to a local monitor.
6	HDMI™ IN Connector	Connect to an HDMI source.

#	Feature	Function
7	TO TP-752R	CAT 5/6 RJ-45 Port
8	(Connect via one of these options)	HD15 15-pin HD Connector
9		A, B 2-pin TERMINAL BLOCK Connector
		<p>Connect to the RJ-45 port on TP-752R.</p> <p>Connect to the 15-pin HD connector on TP-752R.</p> <p>Connect to the 2-pin terminal block connectors on TP-752R.</p> <p> For 2-wire cabling where the 2 wires have similar characteristics (e.g. twin-flex cable), wire by connecting to the 2 terminals of the terminal block connector.</p> <p>When using co-ax cable, it is best to wire with the inner cable connected to the A terminal, and the shield connected to the ground tab (the ring tongue terminal grounding screw).</p>
10	RS-232 9-pin D-sub Connector	Bi-directional RS-232 between the devices, allowing control of the display from the source end/control of a source from the display end.
11	5V DC	+5V DC connector for powering the unit.

TP-752R 2-Wire Extra Range HD Receiver

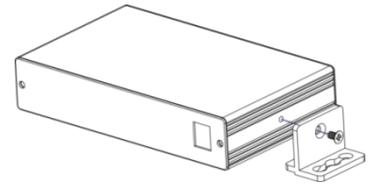


#	Feature	Function
12	RESET Recessed Button	Press to reset the device.
13	BAUD RATE DIP-switches	Set the baud rate (baud rate on TP-752T and TP-752R should be identical).
14	ON LED	Lights green when the device is powered.
15	Ring Tongue Terminal Ground Screw	Use to shield the cable between the transmitter and the receiver, for example, when using coax cabling or 2-wire shielded cabling connected to the terminal block connector. Note that for multiple TP-752T / TP-752R systems in close proximity, it is highly recommended to use shielded cable.
16	FROM TP-752T	CAT 5/6 RJ-45 Port
17	(Connect via one of these options)	HD15 15-pin HD Connector
18		A, B 2-pin TERMINAL BLOCK Connector
		<p>Connect to the RJ-45 port on TP-752T.</p> <p>Connect to the 15-pin HD connector on TP-752T.</p> <p>Connect to the 2-pin terminal block connectors on TP-752T.</p> <p> For 2-wire cabling where the 2 wires have similar characteristics (e.g. twin-flex cable), wire by connecting to the 2 terminals of the terminal block connector.</p> <p>When using co-ax cable, it is best to wire with the inner cable connected to the A terminal, and the shield connected to the ground tab (the ring tongue terminal grounding screw).</p>
19	OUTPUTS	HDMI Connector
20		S/PDIF RCA Connector
21		BAL. AUDIO 5-pin Terminal Block Connector
22	RS-232 9-pin D-sub Connector	Bi-directional RS-232 between the devices, allowing control of the display from the source end/control of a source from the display end.
23	5V DC	+5V DC connector for powering the unit.

Step 3: Install TP-752T/TP-752R

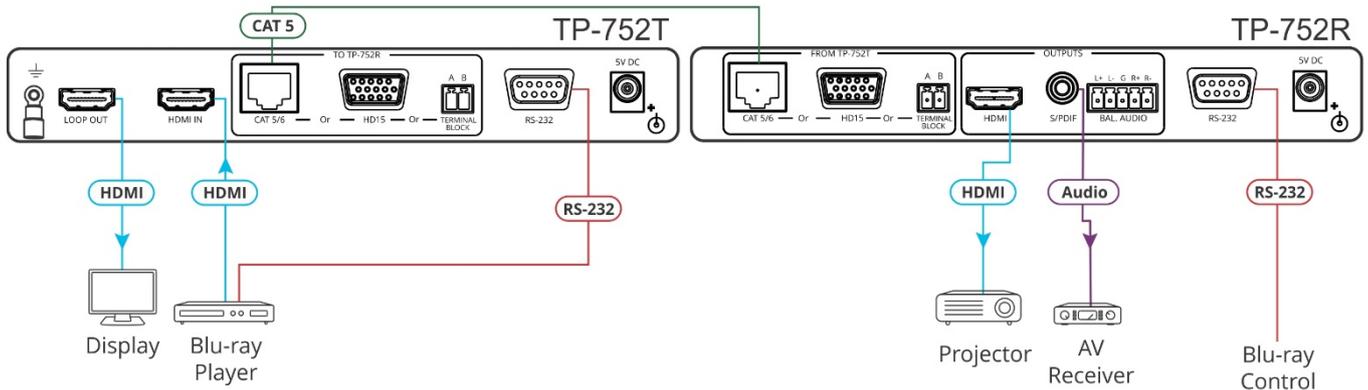
Install **TP-752T / TP-752R** using one of the following methods:

- 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. For more information go to www.kramerav.com/downloads/TP-752T.
- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/TP-752T).



Step 4: Connect the inputs and outputs

Always switch OFF the power on each device before connecting it to your **TP-752T/TP-752R** devices. For best results, we recommend that you always use Kramer high-performance cables to connect AV equipment to **TP-752T/TP-752R**.



Because of the extremely high sensitivity of the receivers, there may be crosstalk between systems within close proximity, and when running cabling from multiple transmitters close together. To prevent this, in applications employing more than one transmitter, we recommend using shielded cabling with the shield grounded. When connecting via:

- **CAT 5/6:** use shielded CAT cable. (The connectors within the **TP-752T/TP-752R** ground the shield).
- **TERMINAL BLOCK:** connect shielded cable, with the shield connected to the ground tab(s).
- **HD15:** no special cautions need to be taken when connecting via standard VGA cabling. (VGA cable is typically shielded, and the connectors within the **TP-752T/TP-752R** ground the shield).

Step 5: Connect the power

Connect the power cord to **TP-752T** 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.

Step 6: Operate TP-752T/TP-752R

Baud Rate DIP-switch Setup:

A switch that is down is on; a switch that is up is off. By default, all the switches are down (ON).

DIP-switch 1	DIP-switch 2	DIP-switch 3	Baud Rate
OFF (up)	OFF (up)	OFF (up)	2400
ON (down)	OFF (up)	OFF (up)	4800
OFF (up)	ON (down)	OFF (up)	9600
ON (down)	ON (down)	OFF (up)	19200
OFF (up)	OFF (up)	ON (down)	28800
ON (down)	OFF (up)	ON (down)	38400
OFF (up)	ON (down)	ON (down)	57600
ON (down)	ON (down)	ON (down)	115200

BAUD RATE



Technical Specifications

TP-752T

Inputs	1 HDMI	On a female HDMI connector
Outputs	1 LOOP HDMI	On a female HDMI connector
	CAT 5/6	On an RJ-45 connector
	VGA	On a 15-pin HD connector
	2-wire	On a 2-pin terminal block connector
Ports	RS-232	On 9-pin D-sub connector for serial link extension

TP-752R

Inputs	CAT 5/6	On an RJ-45 connector
	VGA	On a 15-pin HD connector
	2-wire	On a 2-pin terminal block connector
Outputs	1 HDMI	On a female HDMI connector
	1 S/PDIF	On an RCA connector
	1 Balanced Stereo Audio	On a 5-pin terminal block connector
Ports	RS-232	On 9-pin D-sub connector for serial link extension

General

Video	Max Resolution	1080p60
	Compliance	HDCP 1.4
	Latency	0.35 seconds (typical)
Audio	Support	2.0 channel PCM, 48kHz/44.1kHz sampling rate
	Bandwidth	12kHz
	Analog THD + NOISE	0.08% @1kHz at nominal level
Extension Range	Full HD (1080p @60Hz)	Up to 600m (2000ft)
Extended RS-232	Baud Rate	2400 to 115200, selectable
Controls	Front Panel	ON LED indicator
		Baud rate DIP-switches
		Reset recessed button
Power	Consumption	5V DC, 1.5A
	Source	5.2V DC, 4A
Environmental Conditions	Operating Temperature	0° to +40°C (32° to 104°F)
	Storage Temperature	-40° to +70°C (-40° to 158°F)
	Humidity	10% to 90%, RHL non-condensing
Regulatory Compliance	Safety	CE, UL
	Environmental	RoHs, WEEE
Enclosure	Size	Mega Tool
	Cooling	Convection ventilation
General Information (per device)	Net Dimensions (W, D, H)	18.75cm x 11.5cm x 2.54cm (7.4" x 4.5" x 1")
	Shipping Dimensions (W, D, H)	34.5cm x 16.5cm x 5.2cm (13.6" x 6.5" x 2.1")
	Net Weight	0.46kg (1lbs) approx.
	Shipping Weight	0.96kg (2.1lbs) approx.
	Type	Aluminum
Accessories	Included	2 Power adapters, 2 power cords

Specifications are subject to change without notice at www.kramerav.com

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