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EXT3-H-POE-T / EXT3-H-POE-R Quick Start Guide

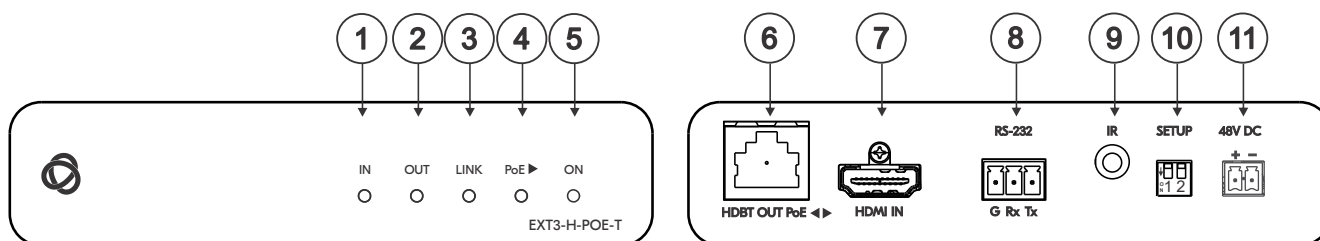
This guide helps you install and use your **EXT3-H-POE-T / EXT3-H-POE-R** for the first time.

Go to <http://www.kramerav.com/downloads/EXT3-H-POE-T> / <http://www.kramerav.com/downloads/EXT3-H-POE-R> to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

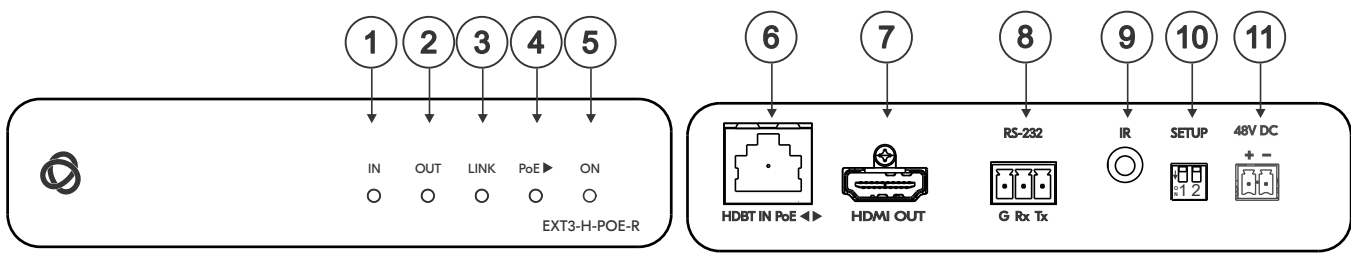
- ✓ **EXT3-H-POE-T Transmitter/ EXT3-H-POE-R Receiver**
- ✓ 1 Bracket set
- ✓ 1 Quick start guide
- ✓ 1 Power adapter and cord
- ✓ 4 Rubber feet

Step 2: Get to know your EXT3-H-POE-T



#	Feature	Function
1	IN LED	Lights blue when an active source device input signal is detected.
2	OUT LED	Lights blue when an active, far-end sink (acceptor) connection is detected via the HDBT link.
3	LINK LED	Lights green when an HDBT link is established with the HDBaseT receiver.
4	PoE LED	Lights green when the device provides PoE to a connected HDBT receiver.
5	ON LED	Lights green when the device receives power.
6	HDBT OUT PoE RJ-45 Connector	Connect to an HDBT receiver (for example, EXT3-H-POE-R). The port can provide or receive PoE.
7	HDMI IN Connector	Connect to an HDMI source.
8	RS-232 (G, Rx, Tx) 3-pin Terminal Block Connector	This port has two functions selectable by the SETUP DIP-switches: 1. To send/receive RS-232 data over the HDBaseT link. 2. For FW Upgrade.
9	IR 3.5mm Mini Jack Connector	Connect to an external infrared emitter / sensor. The IR signal is passed over the HDBaseT link.
10	SETUP DIP-switches	Set the operation DIP-switches. Refer to DIP-Switch Settings on page 3.
11	48V DC	48V DC connector for powering the unit (when not powered by PoE from the receiver).

Step 3: Get to know your EXT3-H-POE-R

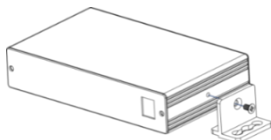


#	Feature	Function
1	IN LED	Lights blue when an active, far-end source device input signal is detected via the HDBT link.
2	OUT LED	Lights blue when an active sink (acceptor) connection is detected.
3	LINK LED	Lights green when an HDBT link is established with the HDBaseT transmitter.
4	PoE LED	Lights green when the device provides PoE to a connected HDBT transmitter.
5	ON LED	Lights green when the device receives power.
6	HDBT IN PoE RJ-45 Connector	Connect to the HDBT receiver (for example, EXT3-H-POE-T). The port can provide or receiver PoE.
7	HDMI OUT Connector	Connect to an HDMI acceptor.
8	RS-232 (G, Rx, Tx) 3-pin Terminal Block Connector	This port has two functions selectable by the SETUP DIP-switches: 1. To send/receive RS-232 data over the HDBaseT link. 2. For FW Upgrade.
9	IR 3.5mm Mini Jack Connector	Connect to an external infrared emitter / sensor. The IR signal is passed over the HDBaseT link.
10	SETUP DIP-switches	Set the operation DIP-switches. Refer to DIP-Switch Settings on page 3.
11	48V DC	48V DC connector for powering the unit (when not powered by PoE from the transmitter).

Step 4: Mount EXT3-H-POE-T / EXT3-H-POE-R

Install **EXT3-H-POE-T / EXT3-H-POE-R** 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/EXT3-H-POE-T / www.kramerav.com/downloads/EXT3-H-POE-R).
- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/EXT3-H-POE-T / www.kramerav.com/downloads/EXT3-H-POE-R).



- 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.

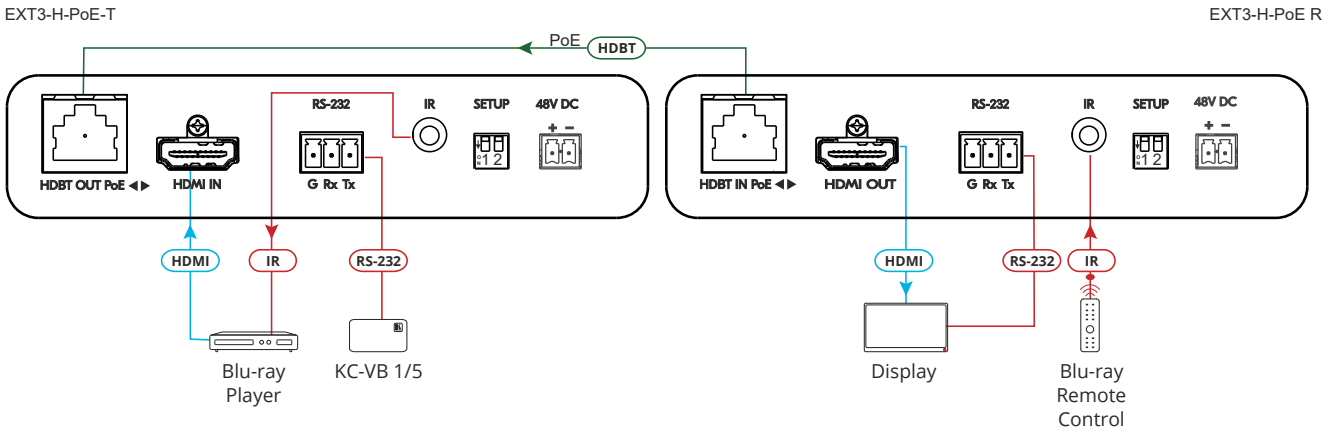
Step 5: Connect inputs and outputs

Always switch OFF the power on each device before connecting it to your EXT3-H-POE-T / EXT3-H-POE-R. For best results, we recommend that you always use the Kramer high-performance cables to connect AV equipment to EXT3-H-POE-T / EXT3-H-POE-R.



The range between Tx & Rx is:

- 40M - 4K@60
- 70M - 4K@30 & 1080P



Wiring the RJ-45 Connectors

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

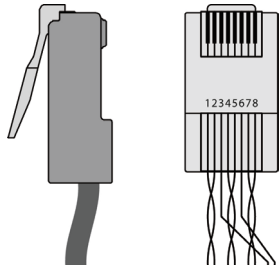


It is recommended that the cable ground shielding be connected/soldered to the connector shield.



To achieve specified extension distances, use the recommended Kramer cables available at www.kramerav.com/product/EXT3-H-POE-R / <http://www.kramerav.com/product/EXT3-H-POE-T> 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



Step 6: DIP-Switch Settings

The DIP-Switches are used to:

- Configure the IR handling.
- Enable RS-232 signal extension.
- Upgrade the HDBT (Valens) chipset.

SETUP



A – DIP-switch Settings



All the DIP-switches are set to OFF (up) by defaults.

#	Feature	DIP-switch Settings
1	IR	Off (up) – IR pass-through ON (down) – Add 38kHz modulation
2	RS-232	Off (up) – RS-232 pass-through ON (down) – Valens programming

Step 7: Connect power

Connect the 48V DC power adapters to EXT3-H-POE-T and EXT3-H-POE-R and plug into the mains electricity. Alternatively, power one of the units via the 48V DC power adapter and power the paired unit with PoE via the HDBT port.



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

Caution:

- 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.