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EXT3-U3-T / EXT3-U3-R Quick Start Guide

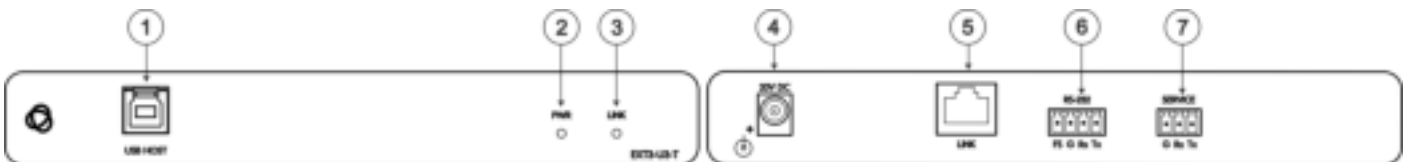
This guide helps you install and use your **EXT3-U3-T / EXT3-U3-R** for the first time.

Go to <http://www.kramerav.com/downloads/EXT3-U3-T> / <http://www.kramerav.com/downloads/EXT3-U3-R> to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

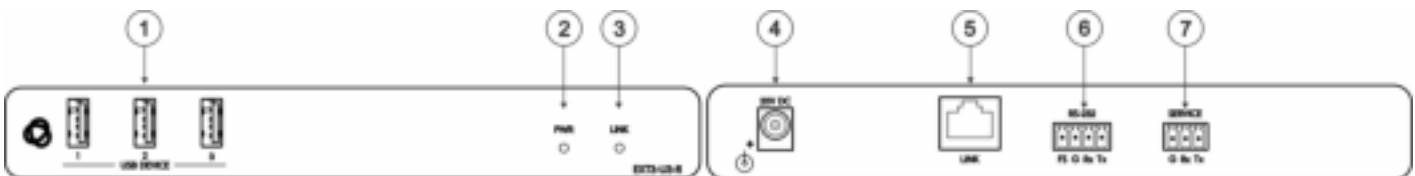
- ✓ **EXT3-U3-T USB Transmitter / EXT3-U3-R Receiver**
- ✓ 1 C-USB/AB-6 Cable (for EXT3-U3-T only)
- ✓ 1 Power adapter and cord (for EXT3-U3-T only)
- ✓ 4 Rubber feet
- ✓ 1 Bracket set
- ✓ 1 Quick start guide


Step 2: Get to know your EXT3-U3-T



#	Feature	Function
1	USB HOST Type B Port	Connect to USB Host.
2	PWR LED	Lights green when powered.
3	LINK LED	Lights blue when a link is established.
4	20V DC Power Connector	Connect to the supplied power adapter (when EXT3-U3-T is not powered by PoC).
5	Link RJ-45 Connector	Connect to the LINK IN port on the EXT3-U3-R.
6	RS-232 4-pin Terminal Block Connector	FS: Send the FSYNC signal from the transmitter to the receiver. Rx, Tx: RS-232 interface pass-through extension (supports any baud rate up to 115200).
7	Service 3-pin Terminal Block Connector (G, Rx, Tx)	Connect for firmware upgrade.

Step 3: Get to know your EXT3-U3-R



#	Feature	Function
1	USB 3 Type A Ports (1 to 3)	Connect to USB local devices (for example, a USB camera, a sound-bar, microphone, etc.).  All 3 USB connectors on the receiver can provide power.
2	PWR LED	Lights green when powered.
3	LINK LED	Lights blue when a link is established.



4	20V DC Power Connector	Connect to the power adapter (when EXT3-U3-R is not powered by PoC).
5	Link RJ-45 Connector	Connect to the LINK OUT port on the EXT3-U3-T.
6	RS-232 4-pin Terminal Block Connector	FS: Send the FSYNC signal from the transmitter to the receiver. Rx, Tx: RS-232 interface pass-through extension (supports any baud rate up to 115200).
7	Service 3-pin Terminal Block Connector (G, Rx, Tx)	Connect for firmware upgrade.

Step 4: Mount EXT3-U3-T / EXT3-U3-R

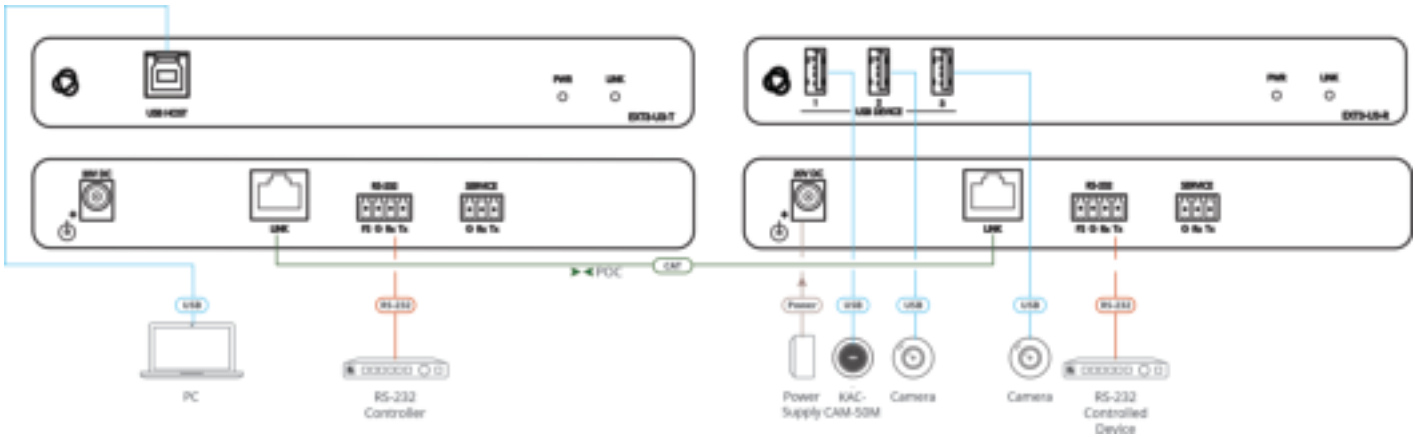
Install EXT3-U3-T / EXT3-U3-R using one of the following methods:

- 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-U3-T / www.kramerav.com/downloads/EXT3-U3-R).
- Mount the unit in a rack using the recommended rack adapter
(see www.kramerav.com/downloads/EXT3-U3-T / www.kramerav.com/downloads/EXT3-U3-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



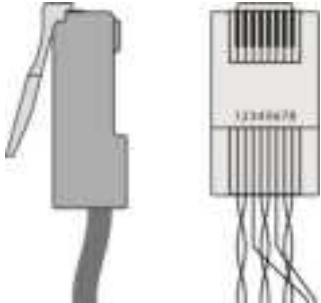
- PSU (Power Source Unit) at receiver side for illustration purposes only.
- PSU may be deployed on either the transmitter or the receiver, or both.

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 https://www1.kramerav.com/gc/products/cables_connectors
Using third-party cables may cause damage!

Step 6: Connect power

EXT3-U3-T / EXT3-U3-R is powered via PoC or optional PSU.

Safety Instructions

**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.



- When EXT3-U3-R is powered by EXT3-U3-T (using PoC), the total current of all connected USB devices cannot exceed 3.25 amps.
- When EXT3-U3-R is powered by a local PSU, the total current of all connected USB devices cannot exceed 5 amps.
- An over-current protection mechanism will disconnect devices in case of exceeding the specified upper limit.