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

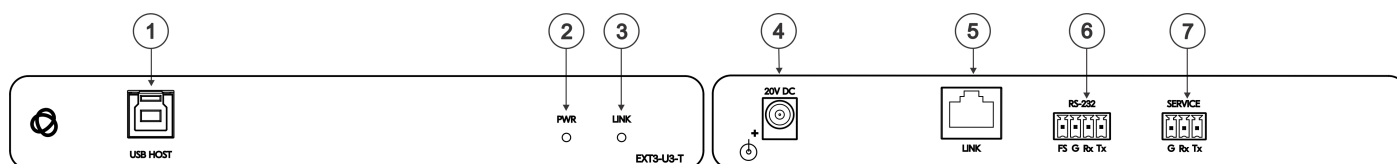
This guide helps you install and use your **EXT3-U3-T / EXT3-U3-R** for the first time.

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

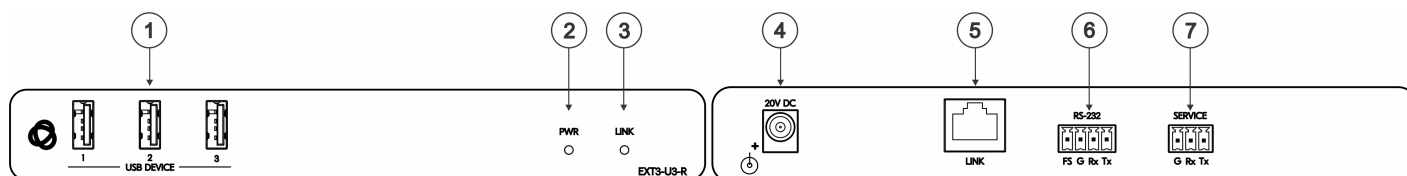
- ✓ **EXT3-U3-T USB Transmitter / EXT3-U3-R Receiver**
- ✓ 1 C-USB/AB-6 Cable (for EXT3-U3-T only)
- ✓ 1 Power adapter and cord (for EXT3-U3-T only)
- ✓ 4 Rubber feet
- ✓ 1 Bracket set
- ✓ 1 Quick start guide


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.

EXT3-U3-T / EXT3-U3-R

Quick Start



P/N:



2900-301817QS

Rev: 4



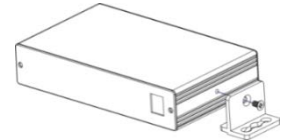
4	20V DC Power Connector	Connect to the power adapter (when EXT3-U3-R is not powered by PoC).
5	Link RJ-45 Connector	Connect to the LINK OUT port on the EXT3-U3-T.
6	RS-232 4-pin Terminal Block Connector	FS: Send the FSYNC signal from the transmitter to the receiver. Rx, Tx: RS-232 interface pass-through 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).

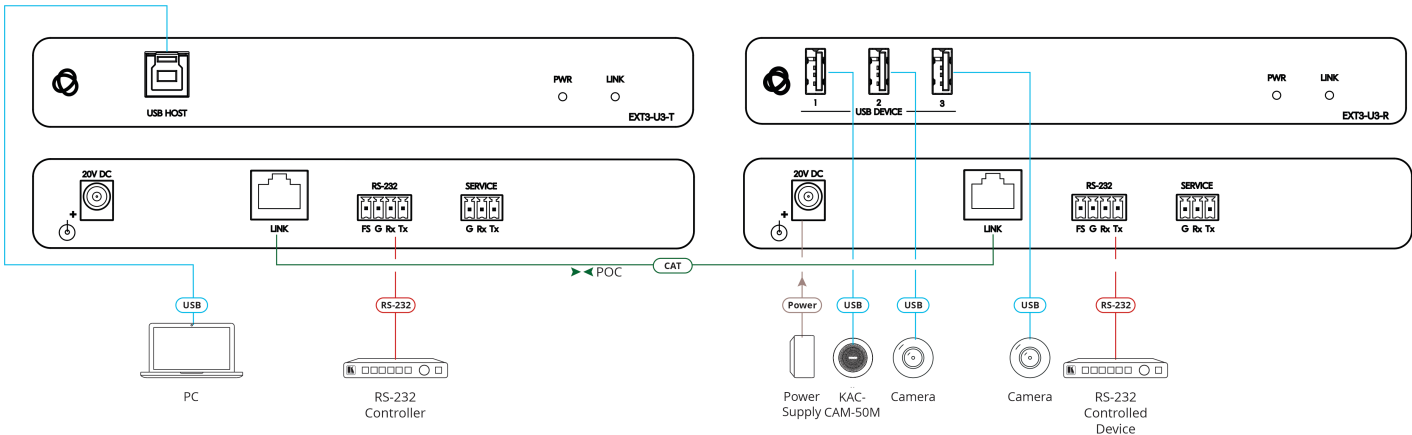


- Mount the unit in a rack using the recommended rack adapter
(see www.kramerav.com/downloads/EXT3-U3-T / www.kramerav.com/downloads/EXT3-U3-R).



- 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.

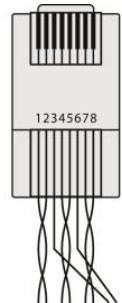
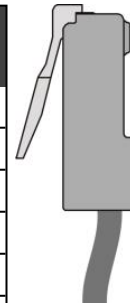
PSU may be deployed on either the transmitter or the receiver, or both.

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.