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EXT3-UE-R Quick Start Guide
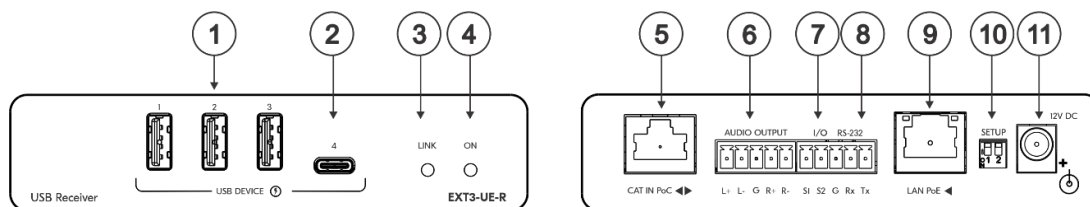
This guide helps you install and use your **EXT3-UE-R** for the first time.

Go to www.kramerav.com/downloads/EXT3-UE-R to download the latest user manual and check if firmware upgrades are available.

Step 1: Check what's in the box

- ☑ **EXT3-UE-R USB Receiver**
- ☑ 1 Bracket set
- ☑ 4 Rubber feet
- ☑ 1 Quick start guide
- ☑ 1 USB-C 2.0 (1.8m) cable

Step 2: Get to know your EXT3-UE-R

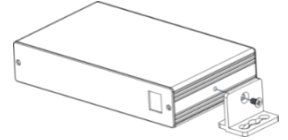| #	Feature	Function
1	USB 2 Type A Ports (1 to 3)	Connect to USB local devices (for example, a USB camera, a soundbar, microphone etc.). Ports provide standard USB device charging.
2	USB-C Port (4)	Connect to USB local devices (for example, a USB camera, a soundbar, microphone etc.). Port provides standard USB device charging. Note: Port does not provide Power Delivery 2.0 charging.
3	LINK LED	Flashes blue when a link is established.
4	ON LED	Lights green when locally powered by the power adapter. Lights orange when powered by PoC.
5	CAT IN PoC RJ-45 Connector	Connect to: • One of the USB CAT OUT PoC ports on the **SWT3-41-U-T**, **OR,** • CAT A or CAT B on the **ACC3-12-SP 1:2 CAT Cable Splitter** which can be connected to the **SWT3-41-U-T**.
6	AUDIO OUTPUT 5-pin Terminal Block Connector L+, L-, G)	Connect to a balanced analog stereo audio line acceptor.
7	I/O 2-pin Terminal Block (S1 to S2)	Connect to: • Input-triggering devices (for example, remote buttons or sensors), **OR** • Output-triggered devices (for example, remote alarm LED indication). These GPIO ports may be configured via paired **SWT3-41-U-T** embedded webpages, as digital input or output ports.
8	RS-232 3-pin Terminal Block (G, Rx, Tx)	Connect to an RS-232 controlled device (for example, the connected PTZ USB camera) to be controlled via a controller (for example, **SL-240C**) which is IP-connected to a paired **SWT3-41-U-T**.
9	LAN PoE RJ-45 Connector	Connect to LAN or to an IP-controlled device (for example, the connected PTZ USB camera). The device accepts power from the LAN port.
10	SETUP 2-way DIP-switch	ⓘ All changes in DIP-Switches apply immediately.

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

P/N: 2900-301654QS   Rev: 2

		DIP-switch Name	DIP-switch #	DIP-Switch State	State Description
		RS-232 MODE	1	OFF (up) default	Extension mode
				ON (down)	Programming mode
		For future use	2	Mandatory OFF (up)	
11	12V DC Power Connector	Connect to the power adapter (optional, not included).			

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Step 3: Mount EXT3-UE-R

Install **EXT3-UE-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-UE-R).

- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/EXT3-UE-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.
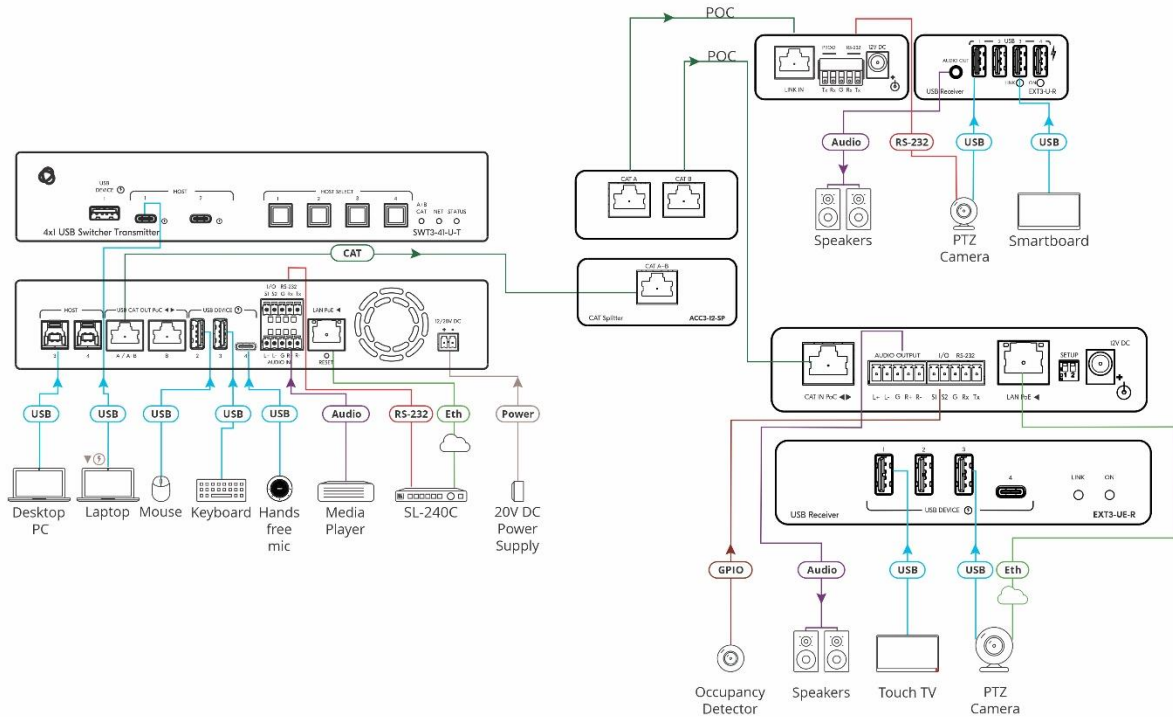
Step 4:   Connect inputs and outputs

Always switch OFF the power on each device before connecting it to your **EXT3-UE-R**.

(i) USB devices that are connected to the **EXT3-UE-R** USB ports are powered/charged while connected.
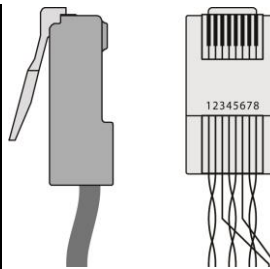
(i) Only 9600 baud rate is supported for RS-232 communication for **EXT3-UE-R**.

Wiring the RJ-45 Connectors

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

(i) 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

(i) To achieve specified extension distances, use the recommended Kramer cables available at www.kramerav.com/product/EXT3-UE-R.

Using third-party cables may cause damage!

Step 5: Connect power

EXT3-UE-R is powered via POC or optional PSU.