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## EXT3-U-KIT Quick Start Guide

This guide helps you install and use your EXT3-U-KIT for the first time.

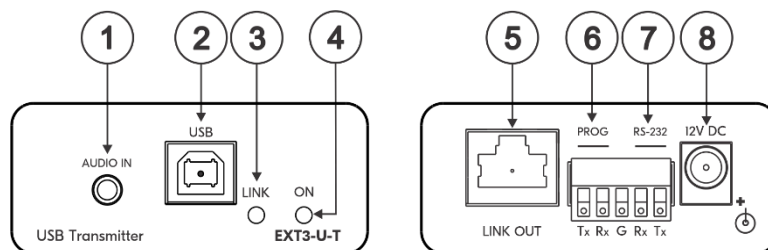
Go to [www.kramerav.com/downloads/EXT3-U-KIT](http://www.kramerav.com/downloads/EXT3-U-KIT) to download the latest user manual and check if firmware upgrades are available.

### Step 1: Check what's in the box

- ✔ EXT3-U-T USB Transmitter and EXT3-U-R USB Receiver
- ✔ 1 C-USB/AB-6 cable
- ✔ 2 Bracket sets
- ✔ 1 Power adapter and cord
- ✔ 8 Rubber feet
- ✔ 1 Quick start guide

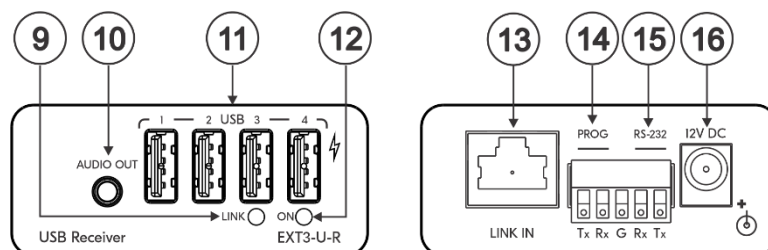
### Step 2: Get to know your EXT3-U-KIT

#### EXT3-U-T



#	Feature	Function
1	AUDIO IN 3.5mm Mini Jack	Connect to an unbalanced stereo audio source.
2	USB 2 Type B Port	Connect to USB host.
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	LINK OUT RJ-45 Connector	Connect to the LINK IN port on the EXT3-U-R.
6	PROG (Tx, Rx)	5-pin Terminal Block Connector (with common G pin)
7	RS-232 (Rx, Tx)	
8	12V DC Power Connector	Connect to the supplied power adapter.

#### EXT3-U-R

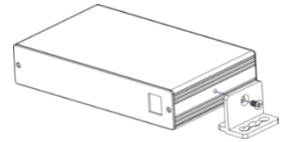


#	Feature	Function
9	LINK LED	Flashes blue when a link is established.
10	AUDIO OUT 3.5mm Mini Jack	Connect to an unbalanced stereo audio acceptor.
11	USB 2 Type A Ports (1 to 4)	Connect to USB devices. Connect EXT3-U-T directly to the power adapter in order to charge USB devices.
12	ON LED	Lights green when locally powered by the power adapter. Lights orange when powered by PoC.
13	LINK IN RJ-45 Connector	Connect to the LINK OUT port on the EXT3-U-T.
14	PROG (Tx, Rx)	5-pin Terminal Block Connector (with common G pin)
15	RS-232 (Rx, Tx)	
16	12V DC Power Connector	Connect to the supplied power adapter.

## Step 3: Mount EXT3-U-KIT

Install **EXT3-U-KIT** 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-U-KIT](http://www.kramerav.com/downloads/EXT3-U-KIT)).
- Mount the unit in a rack using the recommended rack adapter (see [www.kramerav.com/product/EXT3-U-KIT](http://www.kramerav.com/product/EXT3-U-KIT)).



- 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

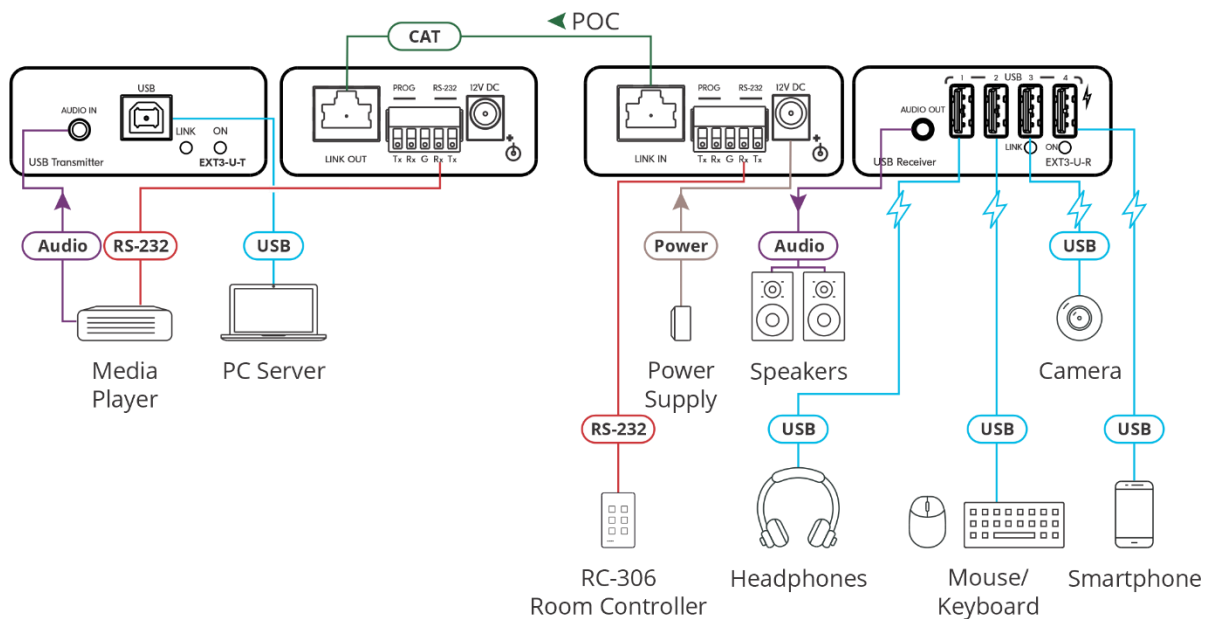
Always switch OFF the power on each device before connecting it to your **EXT3-U-T / EXT3-U-R**.



Devices that are connected to the **EXT3-U-R** USB ports are powered/charged while connected.



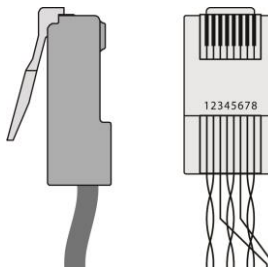
Only 9600 baud rate is supported for RS-232 communication for both **EXT3-U-T** and **EXT3-U-R**.



### Wiring the RJ-45 Connectors

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

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



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-U-KIT](http://www.kramerav.com/product/EXT3-U-KIT). Using third-party cables may cause damage!

## Step 5: Connect power

Connect the power cord to **EXT3-U-T** and **EXT3-U-R** and plug it into the mains electricity.

Safety Instructions (See [www.kramerav.com](http://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.

