



kramer EXT3-U-R USB 2.0 Extender Kit over Extended Reach User Guide

[Home](#) » [Kramer](#) » kramer EXT3-U-R USB 2.0 Extender Kit over Extended Reach User Guide 

Contents

- [1 kramer EXT3-U-R USB 2.0 Extender Kit over Extended Reach](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Check what's in the box](#)
- [5 Get to know your EXT3-U-R](#)
- [6 Mount EXT3-U-R](#)
- [7 Connect inputs and outputs](#)
- [8 Connect power](#)
- [9 Documents / Resources](#)
 - [9.1 References](#)
- [10 Related Posts](#)



kramer EXT3-U-R USB 2.0 Extender Kit over Extended Reach



Product Information

Specifications:

- Model: EXT3-U-R
- Power: 12V DC
- USB Ports: 4x USB 2 Type A
- Audio Out: 3.5mm Mini Jack
- Link In: RJ-45 Connector
- RS-232: Rx, Tx (with common G pin)

Product Usage Instructions

Step 1: Check what's in the box

The package includes the following items:

- EXT3-U-R USB Receiver
- 1 Bracket set
- 4 Rubber feet
- 1 Quick start guide

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

The EXT3-U-R has the following features and functions:

#	Feature	Function
1	LINK LED	Flashes blue when a link is established.
2	AUDIO OUT 3.5mm Mini Jack	Connect to an unbalanced stereo audio acceptor.
3	USB 2 Type A Ports (1 to 4)	Connect to USB devices. Connect the receiver directly to the power adapter in order to charge USB devices.
4	ON LED	Lights green when locally powered by the power adapter. Lights orange when powered by PoC.
5	LINK IN RJ-45 Connector	Connect to the LINK OUT port on the EXT3-U-T.
6	PROG (Tx, Rx) 5-pin Terminal Block Connector	Connect for firmware upgrade.
7	RS-232 (Rx, Tx) (with common G pin)	Connect for serial extension (9600 baud rate).
8	12V DC Power Connector	Connect to the power adapter.

Step 3: Mount EXT3-U-R

You can install the EXT3-U-R using one of the following methods:

- Refer to the Quick Start Guide provided in the package for detailed instructions on mounting.

Step 4: Connect inputs and outputs

In this example, the EXT3-U-R is connected to the Kramer EXT3-U-T transmitter. Before connecting any device to your EXT3-U-R, make sure to switch off the power on each device.

Devices connected to the EXT3-U-R USB ports will be powered/charged while connected.

Note: 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. It is recommended to connect/solder the cable ground shielding to the connector shield for better performance.

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 the specified extension distances, it is recommended to use the Kramer cables available at www.kramerav.com/product/EXT3-U-R. Using third-party cables may cause damage.

Step 5: Connect power

The EXT3-U-R is powered via PoC (Power over Cable).

FAQ:

Q: Where can I download the full user manual and check for firmware upgrades?

A: You can download the full user manual and check for firmware upgrades at www.kramerav.com/downloads/EXT3-U-R

Q: How many USB ports does the EXT3-U-R have?

A: The EXT3-U-R has 4 USB 2 Type A ports.

Q: What baud rate is supported for RS-232 communication?

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



Scan for full manual

EXT3-U-R Quick Start Guide

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

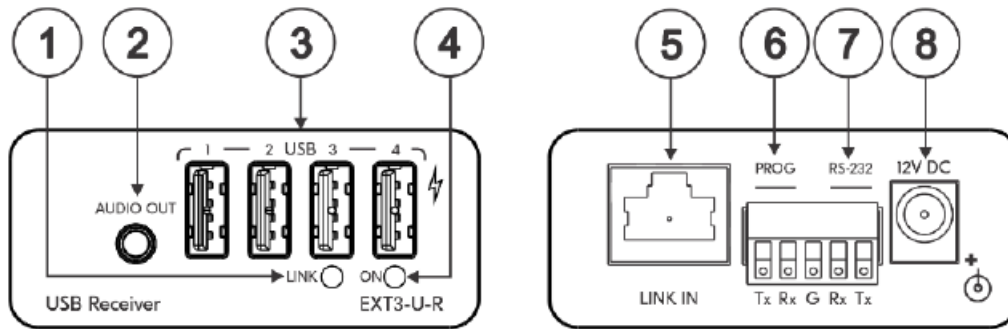
Go to www.kramerav.com/downloads/EXT3-U-R to download the latest user manual and check if firmware upgrades are available.

Check what's in the box

- EXT3-U-R USB Receiver
- 1 Bracket set
- 4 Rubber feet
- 1 Quick start guide

Get to know your EXT3-U-R

EXT3-U-R

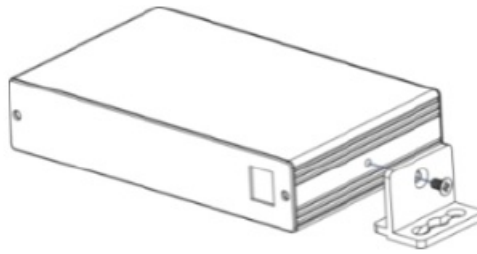


#	Feature		Function
1	LINK LED		Flashes blue when a link is established.
2	AUDIO OUT 3.5mm Mini Jack		Connect to an unbalanced stereo audio acceptor.
3	USB 2 Type A Ports (1 to 4)		Connect to USB devices. Connect the receiver directly to the power adapter in order to charge USB devices.
4	ON LED		Lights green when locally powered by the power adapter. Lights orange when powered by PoC.
5	LINK IN RJ-45 Connector		Connect to the LINK OUT port on the EXT3-U-T .
6	PROG (Tx, Rx)	5-pin Terminal Block Connector (with common G pin)	Connect for firmware upgrade.
7	RS-232 (Rx, Tx)		Connect for serial extension (9600 baud rate).
8	12V DC Power Connector		Connect to the power adapter.

Mount EXT3-U-R

Install EXT3-U-R using one of the following methods:

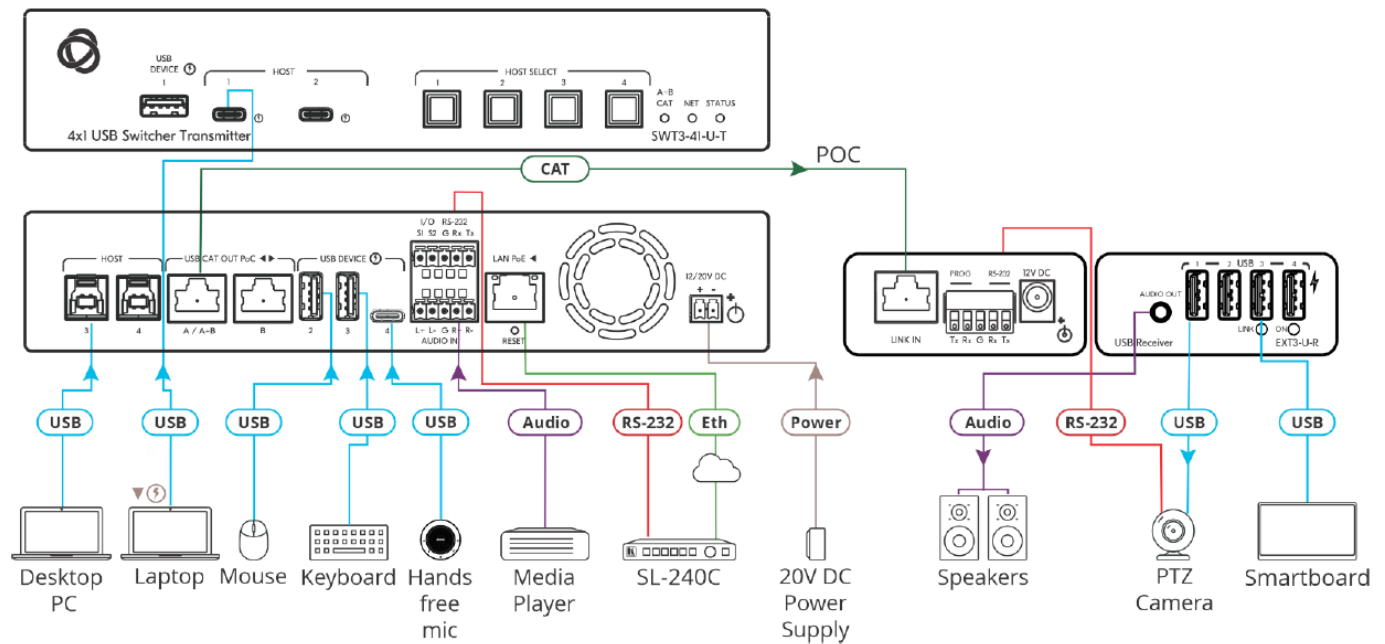
- Attach the rubber feet and place the unit on a flat surface.
- Fasten a bracket (included) on each side of the unit and attach it to a flat surface (see www.kramerav.com/downloads/EXT3-U-R).
- Mount the unit in a rack using the recommended rack adapter (see www.kramerav.com/product/EXT3-U-R).



- 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.

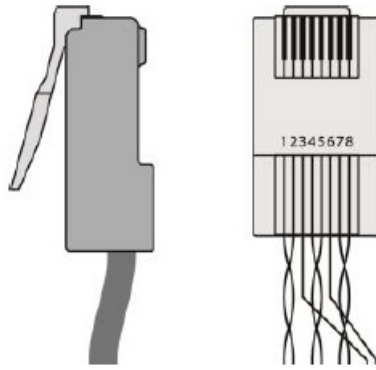
Connect inputs and outputs

- In this example EXT3-U-R is connected to the Kramer EXT3-U-T transmitter.
- Always switch OFF the power on each device before connecting it to your 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
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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-R.

Using third-party cables may cause damage!

Connect power

EXT3-U-R is powered via POC.

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

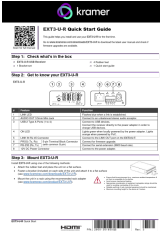
Caution:

- 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.

Documents / Resources

	<p>kramer EXT3-U-R USB 2.0 Extender Kit over Extended Reach [pdf] User Guide EXT3-U-R USB 2.0 Extender Kit over Extended Reach, EXT3-U-R, USB 2.0 Extender Kit over Extended Reach, Extender Kit over Extended Reach, over Extended Reach, Extended Reach</p>
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References

- [Kramer | Audio Visual Solutions - Kramer](#)
- [Kramer | Audio Visual Solutions - Kramer](#)
- [Application Diagrams - Kramer Electronics](#)
- [EXT3-U-R USB Receiver](#)
- [User Manual](#)