



# Kramer EXT3-U3-T HDMI Extender With USB Ethernet User Guide

[Home](#) » [Kramer](#) » Kramer EXT3-U3-T HDMI Extender With USB Ethernet User Guide 

Contents

1 Kramer EXT3-U3-T HDMI Extender With USB Ethernet

2 Specifications

3 Product Usage Instructions

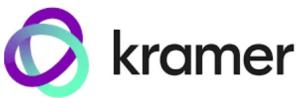
4 Safety Instructions

5 FAQs

6 Documents / Resources

6.1 References

7 Related Posts



## Kramer EXT3-U3-T HDMI Extender With USB Ethernet



### Specifications

- **Model:** EXT3-U3-T / EXT3-U3-R

- USB Transmitter (EXT3-U3-T) and Receiver (EXT3-U3-R)
- USB 3.0 Type-A Ports
- 20V DC Power Connector
- RS-232 Interface
- Link RJ-45 Connector

## Product Usage Instructions

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

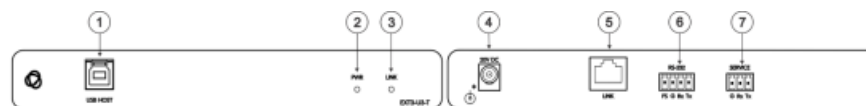
Ensure you have the following items:

- 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)
- 1 Quick start guide
- 4 Rubber feet
- 1 Bracket set

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

Features of the EXT3-U3-T:

- USB HOST Type B Port
- PWR LED (Green when powered)
- LINK LED (Blue when the link is established)
- 20V DC Power Connector
- Link RJ-45 Connector
- RS-232 Terminal Block Connectors

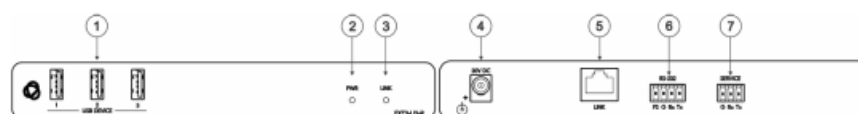


#	Feature	Function
1	USB HOST Type B Port	Connect to USB Host.
2	PWR LED	Lights green when powered.
3	LINK LED	Lights are blue when a link is established.
4	20V DC Power Connector	Connect to the supplied power adapter (when EXT3-U3-T is not powered by PoC).
5	Link RJ-45 Connector	Connect to the LINK IN port on the EXT3-U3-R.
6	RS-232 4-pin Terminal Block Connector	<u>FS</u> : Send the FSYNC signal from the transmitter to the receiver.  <u>Rx, Tx</u> : 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

Features of the EXT3-U3-R:

- USB 3 Type-A Ports
- PWR LED (Green when powered)
- LINK LED (Blue when the link is established)
- 20V DC Power Connector
- Link RJ-45 Connector
- RS-232 Terminal Block Connectors

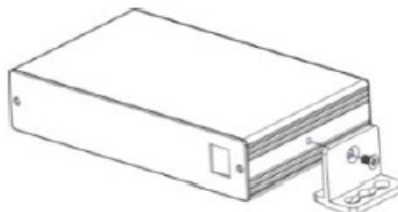


#	Feature	Function
1	USB 3 Type A Ports (1 to 3)	Connect to USB local devices (for example, a USB camera, a sound-bar, a microphone, etc.).  All 3 USB connectors on the receiver can provide power.
2	PWR LED	Lights green when powered.
3	LINK LED	Lights are blue when a link is established.
4	20V DC Power 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	<u>FS</u> : Send the FSYNC signal from the transmitter to the receiver.  <u>Rx, Tx</u> : 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 the unit using one of the following methods:

- Mount in a rack using the recommended adapter. ([www.kramerav.com/downloads/EXT3-U3-T](http://www.kramerav.com/downloads/EXT3-U3-T) / [www.kramerav.com/downloads/EXT3-U3-R](http://www.kramerav.com/downloads/EXT3-U3-R)).
- Attach rubber feet or use the bracket set for mounting.



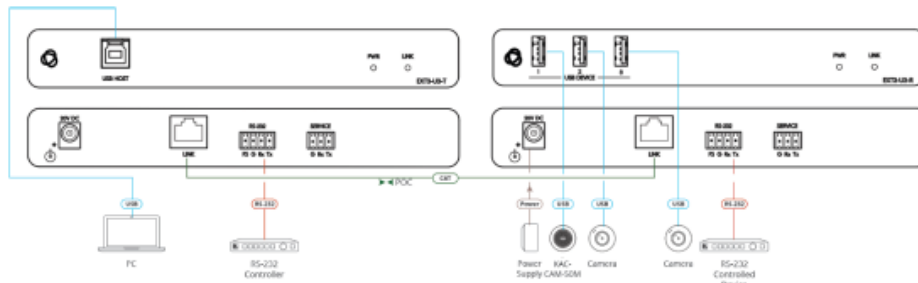
- Fasten a bracket (included) on each side of the unit and attach it to a flat surface (see [www.kramerav.com/downloads/EXT3-U3-T/www.kramerav.com/downloads/EXT3-U3-R](http://www.kramerav.com/downloads/EXT3-U3-T/www.kramerav.com/downloads/EXT3-U3-R)).
  - Ensure proper environmental conditions for the device. (e.g., maximum ambient temperature & airflow) is compatible with the device.
  - Avoid uneven mechanical loading.
  - Appropriate consideration of equipment nameplate ratings should be used to avoid overloading of the

circuits.

- Reliable earthing of rack-mounted equipment should be maintained.
- The maximum mounting height for the device is 2 meters.

## Step 5: Connect inputs and outputs

Connect the appropriate cables and ensure proper grounding.

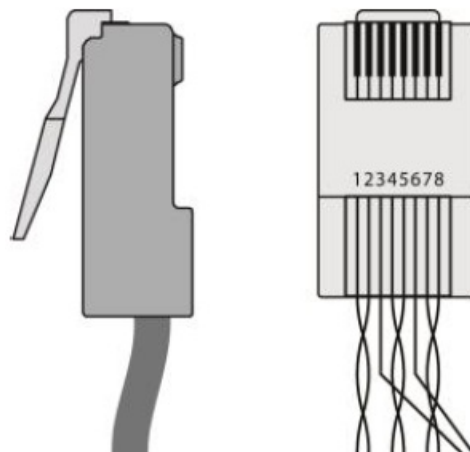


- PSU (Power Source Unit) at the receiver side for illustration purposes only.
- PSU may be deployed on either the transmitter the receiver, or both.

## Wiring the RJ-45 Connectors

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

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 [https://www1.kramerav.com/gc/products/cables\\_connectors](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 it.
- 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.

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.
- Scan to go to the website

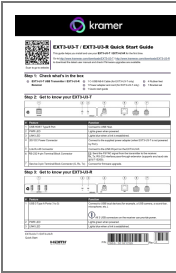


## FAQS

- **Q: Can I connect multiple USB devices to the EXT3-U3-R?**  
A: Yes, you can connect up to three USB devices to the EXT3-U3-R.
- **Q: What is the maximum mounting height for the device?**  
A: The maximum mounting height for the device is 2 meters.
- **Q: How do I check for firmware upgrades?**  
A: Visit <http://www.kramerav.com/downloads/EXT3-U3-T> or <http://www.kramerav.com/downloads/EXT3-U3-R>

[U3-R](#) to download the latest user manual and check for firmware upgrades.

Documents / Resources



[Kramer EXT3-U3-T HDMI Extender With USB Ethernet](#) [pdf] User Guide  
EXT3-U3-T HDMI Extender With USB Ethernet, EXT3-U3-T HDMI, Extender With USB Ethernet , USB Ethernet, Ethernet

References

- [No resources found](#)
- [No resources found](#)
- [User Manual](#)

[Manuals+.](#) [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.