

# USB2002EXT2 USB2004EXT2

2/4-Port USB2.0 Extender over Cat5 or Cat6  
- Up to 330 ft / 100 m

## Installation Guide

### Packaging Contents

- 1 x USB extender Transmitter/Local unit
- 1 x USB extender Receiver/Remote unit
- 1 x Power Adapter
- 3 x Power Cord (NA/UK/EU)
- 4 x Mounting Bracket
- 1 x USB cable
- 1 x Installation Guide

### System Requirements

- USB enabled computer system with available USB port
- Available AC power outlet

### Installation

1. Place the Local and Remote units at the desired locations and connect together using RJ45 terminated Cat5 or Cat6 cabling.

a) If you are using surface cabling, ensure you have enough Category 5/6 unshielded twisted pair (UTP) network cabling to connect the Local Unit to the Remote Unit's location, and that each end is terminated with a RJ45 connector. The cabling should not go through any networking equipment (i.e. router, switch).

OR

b) If you are using premise cabling, ensure that the Category 5/6 unshielded twisted pair (UTP) network cabling between the Local Unit and the Remote Unit has been properly terminated in a wall outlet in each location and there is a patch cable long enough to connect the Remote Unit and the Local Unit to their respective outlets. The cabling should not go through any networking equipment (i.e. router, switch).

2. Connect the included power adapter to the Local unit (USB2002EXT2) or the Remote unit (USB2004EXT2). The Power LED should light up solid.

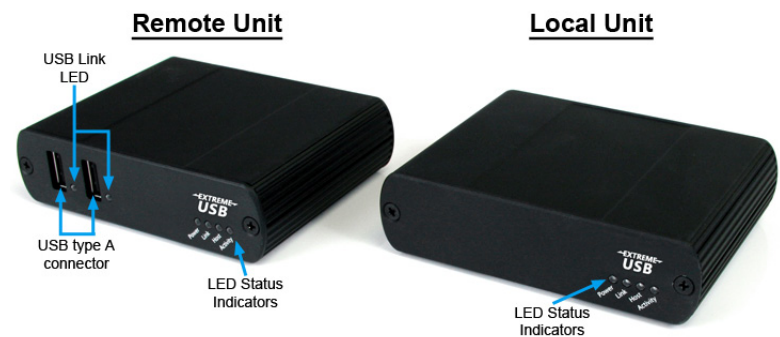
3. Connect the Local unit to the host computer system with a USB cable. The computer can be either powered On or Off. The operating system should detect the extender and install it automatically.

4. USB devices can now be connected to the Remote unit.

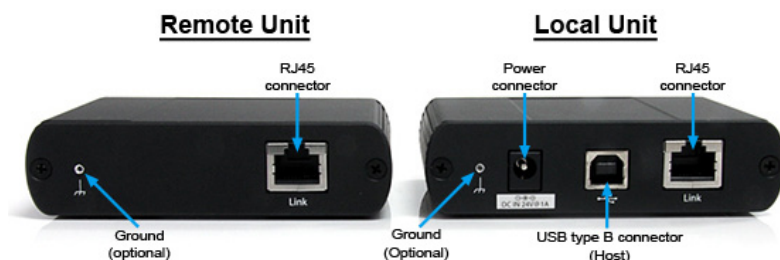


LED	Description
Power	<b>Solid:</b> Power is being supplied
Link	<b>Solid:</b> Link established between Local and Remote units
Host	<b>Solid:</b> Detected and installed by the host computer <b>Flashing:</b> Local and Remote units are in suspend mode
Activity	<b>Flashing:</b> Data transmission between Local and Remote units <b>Off:</b> Local and Remote units are in suspend mode

### USB2002EXT2 - Side 1



### USB2002EXT2 - Side 2

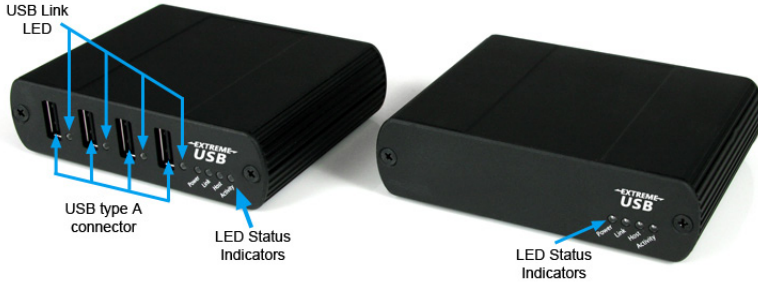


\*actual product may vary from photos

## USB2004EXT2 - Side 1

Remote Unit

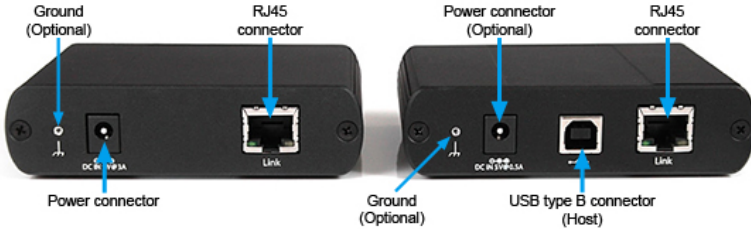
Local Unit



## USB2004EXT2 - Side 2

Remote Unit

Local Unit



\*actual product may vary from photos

## Specifications

	USB2002EXT2	USB2004EXT2
<b>Bus Interface</b>	USB 2.0	
<b>Number of Ports</b>	2	4
<b>Connectors (Local unit)</b>	1 x USB type B female 1 x RJ45 Ethernet female 1 x DC Power	
<b>Connectors (Remote unit)</b>	2 x USB type A female 1 x RJ45 Ethernet female	4 x USB type A female 1 x RJ45 Ethernet female 1 x DC Power
<b>LEDs (Local unit)</b>	1 x Power 1 x Remote Link 1 x Host Link 1 x Activity	
<b>LEDs (Remote unit)</b>	1 x Power 1 x Remote Link 1 x Host Link 1 x Activity 2 x USB Link	1 x Power 1 x Remote Link 1 x Host Link 1 x Activity 4 x USB Link
<b>Maximum Data Transfer Rate</b>	USB 2.0: 480 Mbps	
<b>Maximum Cable Distance</b>	100 m / 330 ft	
<b>Compatible Cabling</b>	Category 5/5e/6/6a	
<b>ESD Protection</b>	4kV Contact, 8kV Air	8kV Contact, 16kV Air
<b>Power Adapter</b>	24VDC, 3000mA	5VDC, 3000mA
<b>Operating Temperature</b>	0°C ~ 50°C (32°F ~ 122°F)	
<b>Storage Temperature</b>	-20°C ~ 70°C (-4°F ~ 158°F)	
<b>Humidity</b>	10% ~ 90% RH	
<b>Dimensions</b>	100.0mm x 76.0mm x 26.0mm (each)	
<b>Weight</b>	600 g (each)	

## FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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