USB 2.0 Extender (50M)

User Manual

VER 1.2

Thank you for purchasing this product

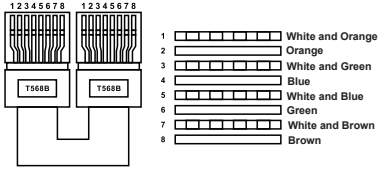
For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

Caution

The product requires the use of UTP connectors. Please connect in direct interconnection method and do not cross connect.



Direct Interconnection Method

Table of Contents

1. Introduction

The USB 2.0 Extender can extend USB signal up to 50m/164ft via a single CAT5/5e/6 cable (The transmission distance can only up to 40m/131ft for some USB 2.0 Hubs). For transmitter, the USB-B port is connected to a PC. For receiver, you can connect the two USB ports to devices with USB port such as U disk or printer, etc. In addition, you need to connect 5V/1A power supply to receiver. The product can be widely used for long distance signal transmission between a PC and USB devices. Simple plug and play, no drive and setting installation required.

2. Features

☆ Support USB 2.0 protocol, transmission rate up to 480Mbps
☆ USB signal can be extended up to 50m*/164ft via CAT5/5e/6 cable
☆ Transmitter supports one USB-B port input
☆ Receiver supports two USB 2.0 ports output
☆ Transmitter is powered by the device connected to its USB-B port; Receiver is powered by connecting DC 5V/1A power supply
☆ Simple plug and play, no drive and setting installation required
☆ Compact design for easy and flexible installation

* Subject to the USB 2.0 protocol, when using this product, each additional level of Hub between Host and Device in the entire link will shorten the CAT cable transmission distance by about 12m/39ft.

3. Package Contents

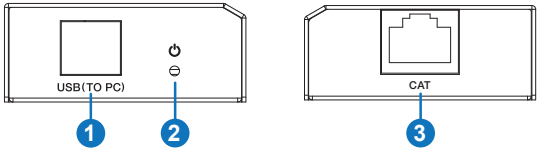
① 1× USB 2.0 Extender (Transmitter)
② 1× USB 2.0 Extender (Receiver)
③ 1× USB cable (USB-B male head to USB-A male head, 1m)
④ 1× 5V/1A Power Adapter
⑤ 1× User Manual

4. Specifications

Technical	
USB Protocol	USB 2.0
Transmission Rate	Up to 480Mbps
Transmission Distance	50m/164ft (**Note:** The transmission distance can only up to 40m/131ft for some USB 2.0 Hub)
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) , ±4kV (Contact discharge)
Connections	
Transmitter	Input port: 1 x USB (To PC) [USB-B, female] Output port: 1 x CAT [RJ45, female]
Receiver	Input port: 1 x CAT [RJ45, female] Output port: 2 x USB 2.0 [USB-A, female]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter / Receiver: 82mm (W)×49mm (D)×20mm (H)
Weight	Transmitter / Receiver: 100g
Power Supply	Input: AC100~240V 50/60Hz Output: DC 5V/1A
Power Consumption	Transmitter: 0.7W, Receiver: 1W
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

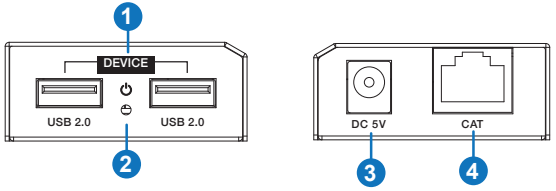
5. Operation Controls and Functions

5.1 Transmitter Panel



No.	Name	Function Description
1	USB port	Use the included USB cable (USB-B male head to USB-A male head) to connect a PC. **Note:** The PC can control the devices connected to the USB port of the receiver.
2	Power LED	The green LED will illuminate when transmitter is provided power supply by USB-B port's device.
3	CAT port	The CAT port is connected to the receiver's CAT port with CAT5/5e/6 cable.

5.2 Receiver Panel



No.	Name	Function Description
1	USB 2.0 ports	Two USB extension ports, connected to devices with USB port such as printer or U disk, etc.
2	Power LED	The green LED will illuminate when the receiver is connected with power supply.
3	DC 5V	Plug 5V/1A DC power supply into the unit and connect the adapter to an AC outlet.
4	CAT port	The CAT port is connected to the transmitter's CAT port with CAT5/5e/6 cable.

6. Application Example