

**SD-USB50**  
**USB 2.0 Extender (50M)**

**SEADA**  
Showing the World

**User Manual**

**VER 1.0**

# 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, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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# 1. Introduction

The USB 2.0 Extender can extend USB signal up to 50m/164ft via Cat 5e/6 cable (The transmission distance can only up to 40m/131.2ft for some USB 2.0 Hub). On the transmitter, the USB-B port is connected to a PC. On the receiver, you can connect with USB devices (such as USB flash disk or Printer) through the two USB ports. In addition, you need to connect 5V/1A power supply to the receiver. The product can be widely used for long distance signal transmission between a PC and USB device. Simple plug and play, no drive and setting installation required.

## 2. Features

- ☆ Supports USB 2.0 protocol, transmission rate up to 480Mbps
- ☆ Supports extend distance up to 50m/164ft via CAT 5e/6 cable  
(Note: The transmission distance can only up to 40m/131.2ft for some USB 2.0 Hub)
- ☆ Supports one USB-B port input on the transmitter
- ☆ Supports two USB 2.0 ports output on the receiver
- ☆ The transmitter is powered by the connected device via a USB cable, and the 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

## 3. Package Contents

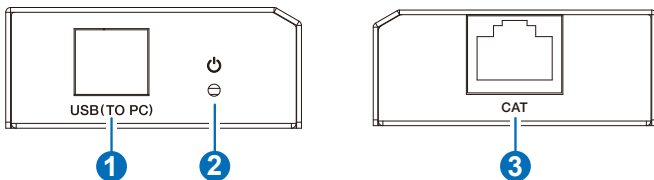
- ① 1 × USB 2.0 Extender (Transmitter)
- ② 1 × USB 2.0 Extender (Receiver)
- ③ 1 × USB cable (USB-B male head to USB-A male head, 1m)
- ④ 1 × 5V/1A Power Adapter
- ⑤ 1 × User Manual

## 4. Specifications

Technical	
USB Protocol	USB 2.0
Transmission Rate	Up to 480Mbps
Transmission Distance	50m (Note: The transmission distance can only up to 40m for some USB 2.0 Hub)
ESD Protection	Human-body Model: ±8kV (Air-gap discharge), ±4kV (Contact discharge)
Connection	
Transmitter	Input port: 1×USB [USB-B, female] Output port: 1×CAT [RJ45, female]
Receiver	Input port: 1×CAT [RJ45, female] Output port: 2×USB [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: AC 100~240V 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)

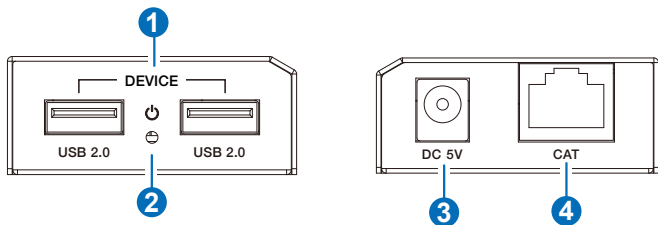
# 5. Operation Controls and Functions

## 5.1 Transmitter Panel



No.	Name	Function Description
1	USB(TO PC)	Connect the transmitter to PC via USB cable (USB-B male head to USB-A male head). <b>Note:</b> The PC power the transmitter via USB cable.
2	POWER LED	Power LED indicator. The green LED will be on, when the transmitter is provided power supply by the connected USB device.
3	CAT port	The CAT port is connected to the receiver's CAT port by a CAT5e/6 cable.

## 5.2 Receiver Panel



No.	Name	Function Description
1	USB 2.0 DEVICE ports	Connect two USB 2.0 DEVICE ports to USB devices, such as USB flash disk or Printer.
2	POWER LED	Power LED indicator. The green LED will be on, when the receiver is powered by connecting DC 5V/1A power supply.
3	DC 5V	Plug DC 5V/1A 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 by a CAT5e/6 cable.

## 5. Application Example

