



USER MANUAL



iTrans

USB 2.0 Extender (100M)

Model: iTrans-USB2-TR100





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1. Introduction

The USB 2.0 Extender can extend USB signal up to 100 meters / 328ft via Cat 5e/6 cable. In transmitter, the USB-B port is connected a PC. In receiver, you can connect a device with USB port at the two USB ports such as U disk or printer, etc. Transmitter and Receiver support PoC (Power over Cable) function. The product can be widely used 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 100 meters / 328ft via CAT 5e/6 cable

Supports one USB-B port input in the transmitter

Supports two USB 2.0 ports output in receiver

Supports the PoC function, which means that either transmitter or receiver is connected powered supply by a 12V/1A power adapter

Simple plug and play, no drive and setting installation required

Compact design for easy and flexible installation

3. Package Contents

- ① 1x USB 2.0 Extender (Transmitter)
- ② 1x USB 2.0 Extender (Receiver)
- ③ 1x USB cable (USB-B male head to USB-A male head, one meter)



④ 1x 12V/1A Locking Power Adapter

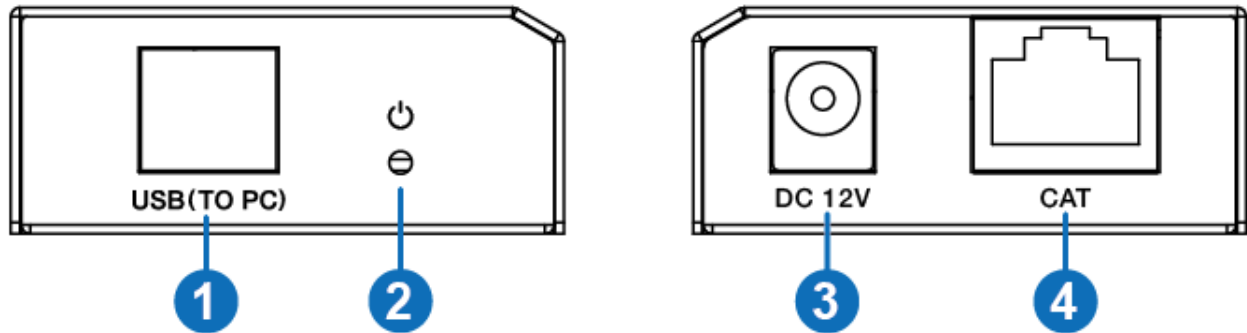
⑤ 1x User Manual

4. Specifications

Technical	
USB protocol	USB 2.0
Transmission rate	Up to 480Mbps
Transmission distance	100M (328ft)
ESD Protection	Human-body Model : $\pm 8\text{kV}$ (Air-gap discharge) , $\pm 4\text{kV}$ (Contact discharge)
Connections	
Transmitter	Input port: 1xUSB [USB-B, female] Output port: 1xCAT [RJ45, female]
Receiver	Input port: 1xCAT [RJ45, female] Output port: 2xUSB [USB-A, female]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter / Receiver: 82mm (W) \times 49mm (D) \times 20mm (H)
Weight	Transmitter / Receiver: 100g
Power Supply	Input: AC100~240V 50/60Hz, Output: DC 12V/1A
Power Consumption	Transmitter: 1.3W, Receiver: 2.3W
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)

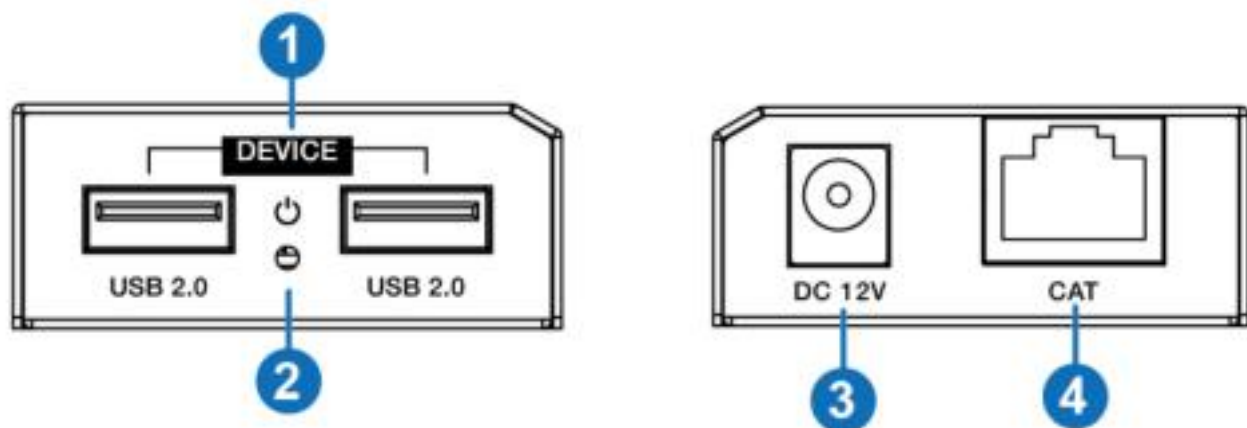
5. Operation Controls and Functions

5.1 Front Panel



Number	Name	Function description
1	USB port	Use USB-B male head to USB-A male head wire to connect USB port of a PC. Note: The PC can control USB ports' device of the receiver.
2	POWER LED	Power LED indicator. The green LED will illuminate when transmitter is provided power supply.
3	DC 12V	Plug DC 12V/1A power supply into the unit and connect the adapter to an AC outlet.
4	CAT port	The CAT port is connected receiver' s CAT port by CAT 5e/6 cable.

5.2 Rear Panel



Number	Name	Function description
1	USB 2.0 port	Connect to a device with USB port such as printer or U

		disk, etc.
2	POWER LED	Power LED indicator. The green LED will illuminate when the receiver is connected power supply.
3	DC 12V	Plug 12V/1A DC power supply into the unit and connect the adapter to an AC outlet.
4	CAT port	The CAT port is connected transmitter' s CAT port by CAT 5e/6 cable.

6. Connection diagram

