# USER MANUAL

# iTrans

## USB 2.0 Extender (100M)

Model: iTrans-USB2-TR100

## Table of Contents

## 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 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, one meter )

④ 1× 12V/1A Locking Power Adapter

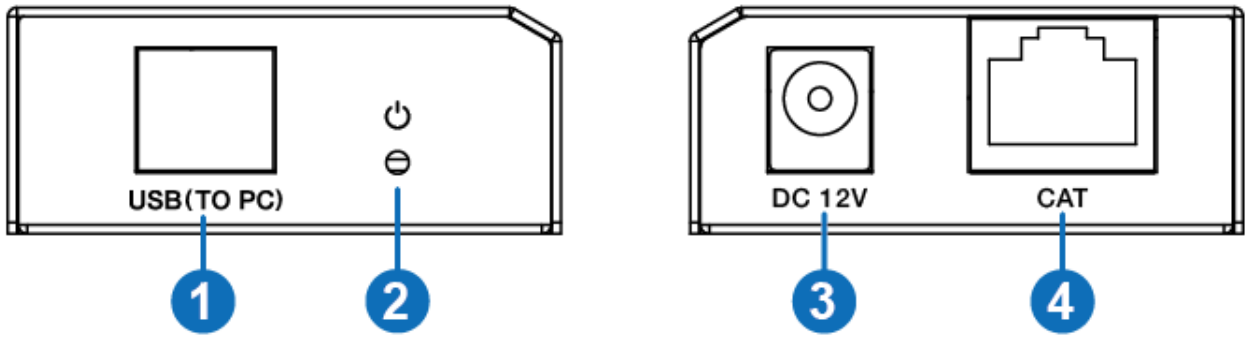
⑤ 1× User Manual

## 4. Specifications

| | |
|---|---|
| **Technical** | |
| USB protocol | USB 2.0 |
| Transmission rate | Up to 480Mbps |
| Transmission distance | 100M (328ft) |
| ESD Protection | Human-body Model：±8kV (Air-gap discharge) ,<br>±4kV (Contact discharge) |
| **Connections** | |
| Transmitter | Input port: 1×USB [USB-B, female]<br>Output port: 1×CAT [RJ45, female] |
| Receiver | Input port: 1×CAT [RJ45, female]<br>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: 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) |

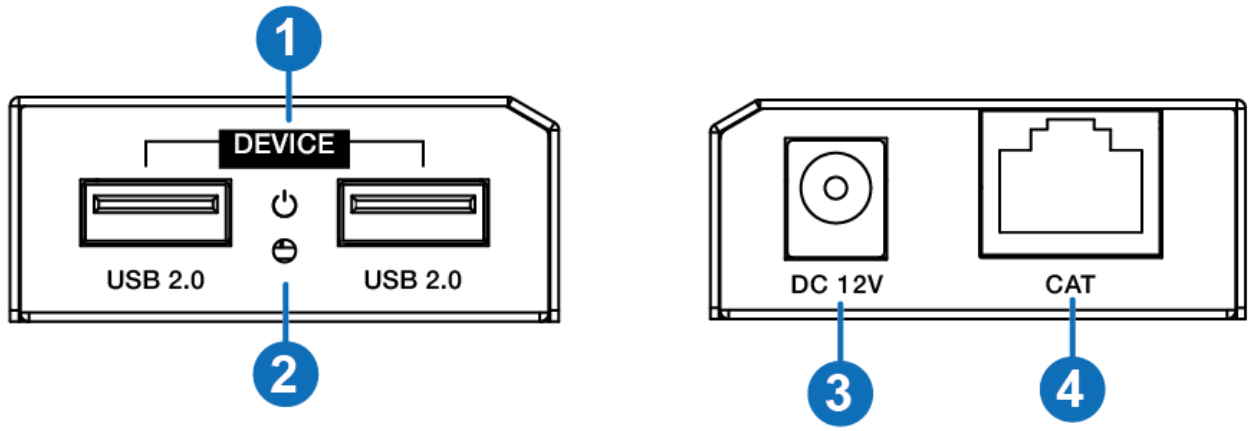
## 5. Operation Controls and Functions

## 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.<br>**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