



J-TECH DIGITAL[®]

USER MANUAL



USB 2.0 OVER CAT5E/6 EXTENDER

JTD-617 | JTECH-BE100

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1. Introduction

The JTECH-BE100 USB 2.0 Extender can extend USB signal up to 328ft via a single Cat5e/6 cable. On the transmitter, the USB-B port is connected to a PC. On the receiver, you can connect a USB device (USB storage / Printer / Peripheral) via the two USB ports. Both Transmitter and Receiver support PoC (Power over Cable) function. Simple plug and play installation, no drivers required.

2. Features

- Supports USB 2.0 protocol, transmission rate up to 200Mbps
- Transmission distance up to 328ft via a single CAT5e/6 cable
- Features one USB-B port input on the transmitter
- Features two USB-A 2.0 output ports on the receiver
- Supports PoC function
- Simple plug and play, no drivers required
- Compact design for easy and flexible installation

3. Package Contents

- ① 1× JTECH-BE100 Transmitter
- ② 1× JTECH-BE100 Receiver
- ③ 1× USB cable (USB-B male to USB-A male)
- ④ 1× 12V/1A Locking Power Adapter
- ⑤ 1× User Manual

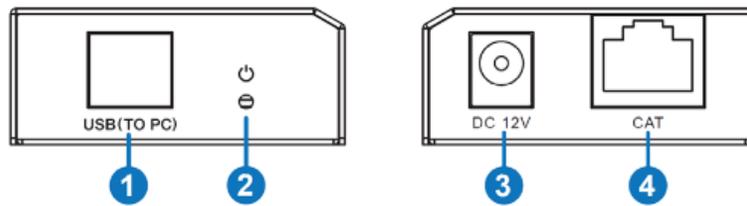
4. Specifications

| Technical | |
|-----------------------|---|
| USB Protocol | USB 2.0 |
| Transmission Rate | Up to 200Mbps |
| Transmission Distance | 328ft. |
| 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 (WxDxH) | TX / RX: 3.23" x 1.93" x 0.79" |
| Weight | 0.22Lbs |
| Power Supply | Input: AC100~240V 50/60Hz Output: DC 12V/1A (US/EU standards, CE/FCC/UL certified) |
| Power Consumption | Transmitter: 1.3W, Receiver: 2.3W |
| Operating Temperature | 32°F ~ 104°F |

| | |
|---------------------|----------------------------|
| Storage Temperature | -4°F ~ 140°F |
| Relative Humidity | 20~90% RH (non-condensing) |

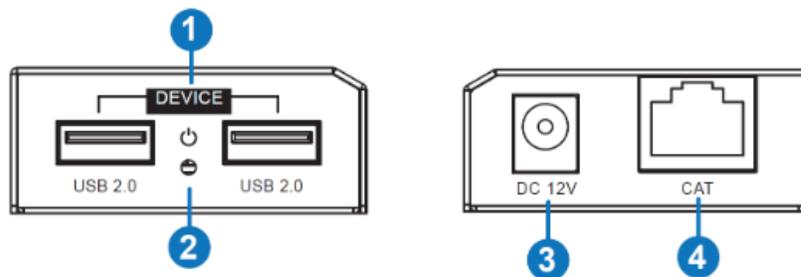
5. Operation Controls and Functions

5.1 Transmitter Panel



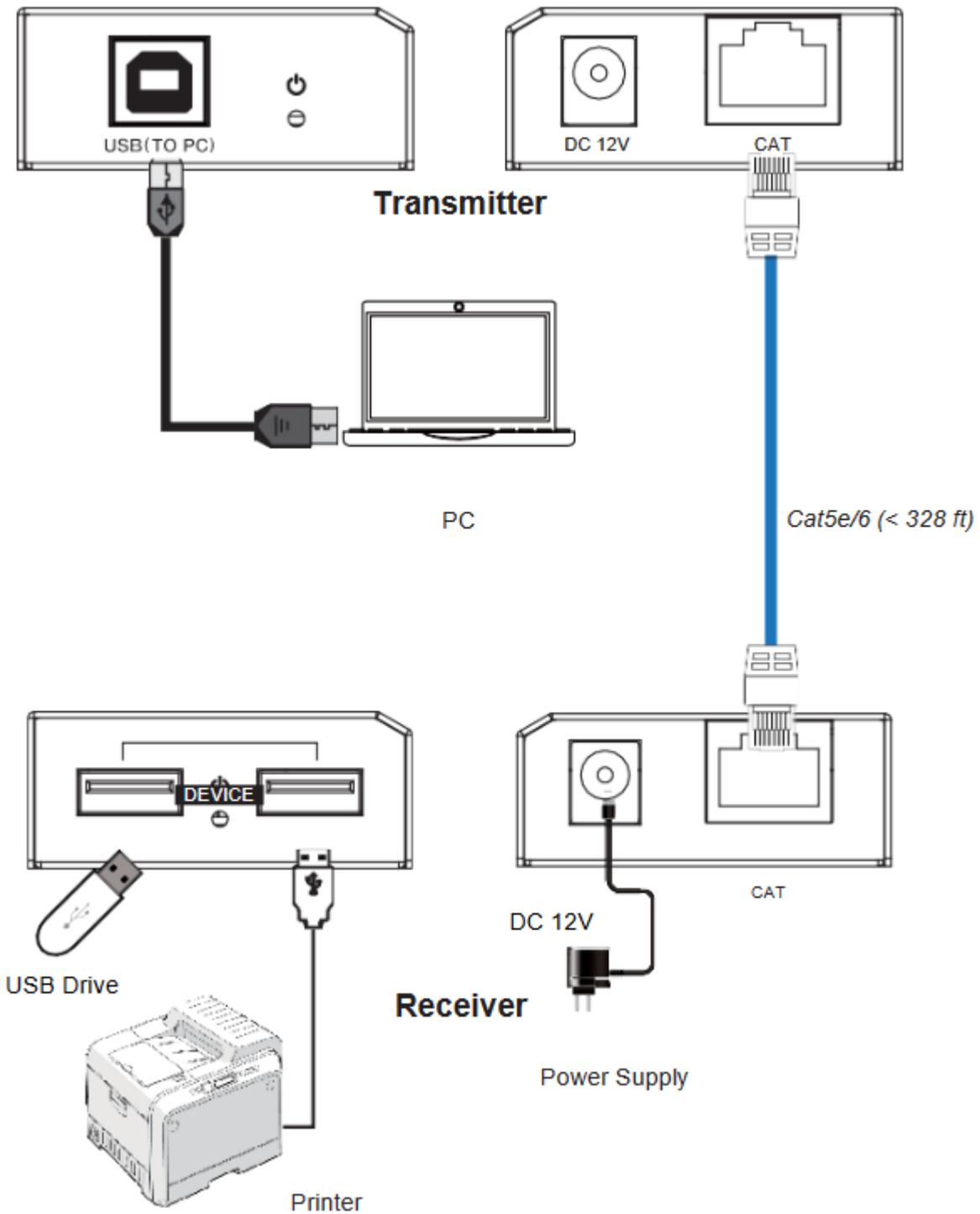
| Number | Name | Function Description |
|--------|-------------|---|
| 1 | USB (TO PC) | USB port, connect to the USB port of a PC via USB-B male to USB-A male cable. |
| 2 | POWER LED | Power LED indicator. Indicator will illuminate green when the device is powered on. |
| 3 | DC 12V | Plug DC 12V/1A power supply into the unit and connect the adapter to an AC outlet. |
| 4 | CAT port | The CAT port is connected to receiver's CAT port via CAT5e/6 cable (328 feet or less) |

5.2 Receiver Panel



| Number | Name | Function Description |
|--------|--------------|--|
| 1 | USB 2.0 port | Connect to a USB device (USB storage / USB Peripheral) |
| 2 | POWER LED | Power LED indicator. The green LED will be on when the transmitter is powered on. |
| 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 to transmitter's CAT port via CAT5e/6 cable. |

6. Application Example



7. Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner, or benzene to clean.

8. Warranty

If your product does not work properly because of a defect in materials or workmanship, our company (referred to as “the warrantor”) will, for the length of the period indicated as below, “Parts and Labor (1) Year”, which starts with the date of original purchase (“Limited Warranty period”), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the “Labor” limited warranty period, there will be no charge for labor. During the “Parts” warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers products purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

9. Mail-In Service

When shipping the unit, carefully pack and send it prepaid, adequately insured, and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.

10. Limited Warranty Limits and Exclusions

This Limited Warranty ONLY COVERS failures due to defects in material or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, mis-adjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributed to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER “LIMITED WARRANTY COVERAGE”. THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only.) PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.



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