The Pro's Connectivity Since 1974

CHE-HDBTWP105K

Pro AV/IT USB 2.0 High Speed Single Gang Wall
Plate Extender Kit up to 328ft

Operation Manual

1. Introduction

Comprehensive's CHE-HDBTWP105K Wall Plate Extender kit was designed to extend high speed USB 2.0 up to 328ft over Cat5e or Cat6 cables with data transfer speeds up to 480Mbps. This product can be used as an extension for applicable USB devices such as keyboards, mice, webcams, printers and USB hard drives. No additional drivers needed. You can connect your USB 2.0 devices hassle free. The two high speed USB 2.0 ports allow you to connect two USB devices and use them simultaneously. When connected to the power adapter at the receiver (RX) end, this unit will transit power to the wall plate transmitter to operate.

2. Features

- Supports USB 2.0 protocol, transmission rate up to 480Mbps
- Supports extend distance up to 328ft (100 meters) via CAT 5e/6 cable
- Supports one USB-B port Input in wall-plate Transmitter
- Supports two USB 2.0 ports Output in Receiver
- Receiver is powered by a connecting 12V/1A power adapter
- Simply plug and play with no drive and setting installation required
- Compact design for easy and flexible installation
- 3 Year Warranty

3. Package Contents

- USB 2.0 Extender Wallplate Transmitter x 1
- Screws for mounting Wallplate x 2
- White face plate x 1
- Screws to mount face plate x 2
- USB 2.0 Box Receiver x 1
- USB 2.0 cable Type A to Type B (3 feet) x 1
- 12V/1A Power Adapter x 1
- User Manual x 1

4. Specifications

Technical	
USB protocol	USB 2.0
Transmission rate	Up to 480Mbps
Transmission distance	328ft (100M)
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) , ±4kV (Contact discharge)
Connections	
Wall-plate Transmitter	Input port: USB-B [female] x 1 Output port: RJ45 [female] x 1
Receiver	Input port: RJ45 [female] x 1 Output port: USB-A [female] x 2
Mechanical	
Housing	Metal Enclosure
Color	Transmitter: White decora panel, Black chassis Receiver: Black
Dimensions	Wall-plate Transmitter: 4.1" [W] x 1.77" [D] x 1.38" [H] Receiver: 3.23" [W] x 1.93" [D] x 0.79" [H]
Weight	Wall-plate Transmitter: 0.25 lb, Receiver: 0.25 lb
Power Supply	Input: AC100~240V 50/60Hz Output: DC 12V/1A
Power Consumption	Transmitter: 1.3 Watts, Receiver: 2.3 Watts
Operating Temperature	32°F ~ 104°F
Storage Temperature	-4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

5. Operation Controls and Functions
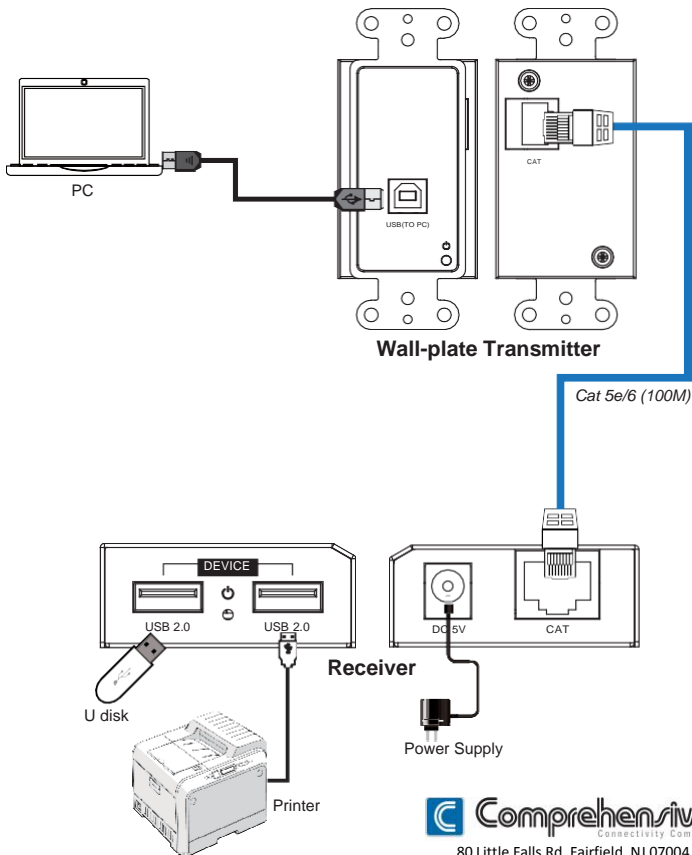
5.1 Wall Plate Transmitter Panel
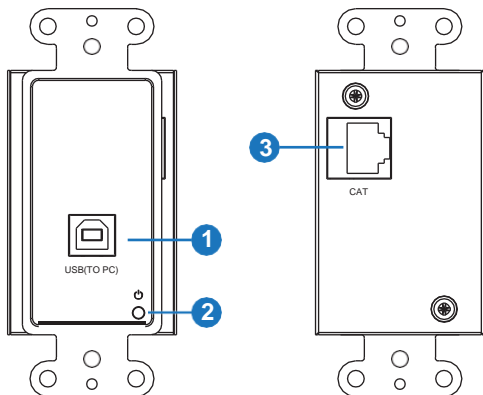
Number	Name	Function description
1	USB Port	Use a USB-B male head to a USB-A male head wire to connect to a PC's USB port. **Note:** The PC can control USB ports' device of the receiver.
2	POWER LED	Power LED indicator. The red LED will illuminate when receiver is provided power.
3	CAT Port	The CAT port is connected to the receiver's CAT port by a CAT 5e/6 cable.

5.2 Receiver Panel
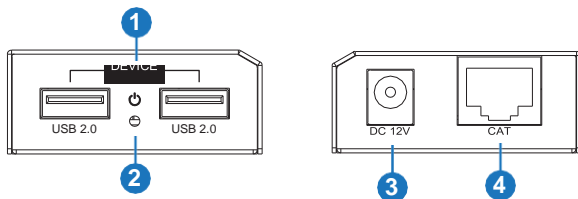
Number	Name	Function description
1	USB 2.0 port	Connect to a device with a USB port (e.g. keyboards, mice, webcams, printers and USB hard drives)
2	POWER LED	Power LED indicator. The green LED will illuminate when the receiver is connected to the power supply.
3	DC 12V	Plug the 12V/1A DC power supply into the unit and connect the adapter to an AC outlet.
4	CAT port	The CAT port is connected to the transmitter's CAT port by a CAT 5e/6 cable.

6. Application Example

Wall-plate Transmitter

Cat 5e/6 (100M)

Receiver

PC

USB(TO PC)

CAT

DEVICE

USB 2.0   USB 2.0

U disk

Printer

DC 5V   CAT

Power Supply