

# KanexPro®



## USB 2.0 Extender over Cat6 50 Meters

**All Right Reserved**

MPN: EXT-USB250M

VER 1.0

## **SAFETY PRECAUTIONS**

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

## **Table of Contents**

1. Introduction.....	3
2. Features.....	3
3. Package Contents .....	3
4. Specifications .....	4
5. Operation Controls and Functions.....	5
5.1 Transmitter Panel.....	5
5.2 Receiver Panel.....	5
6. Application Example.....	6

## 1. Introduction

The KanexPro® EXT-USB250M extender is a compact USB 2.0 transmitter - receiver set designed to extend USB 2.0 (480Mbps) signals from a touch screen, USB hub, camera or Human Interface Device (HID) to a Host PC remotely located 164 feet away. The system is simple, plug and play and it's ready to go. No drive and setting installation required.

## 2. Features

- Supports USB 2.0 protocol, transmission rate up to 480Mbps
- Supports extend distance up to 50 meters /164ft via CAT 5e/6 cable
- **Note:** The transmission distance can only up to 40 meters / 131.2ft for some USB 2.0 Hub
- Supports one USB-B port input in transmitter
- Supports two USB 2.0 ports output in receiver
- Receiver is powered supply by connecting 5V/1A power adapter
- Simple plug and play, no drive and setting installation required
- Compact design for easy and flexible installation

## 3. Package Contents

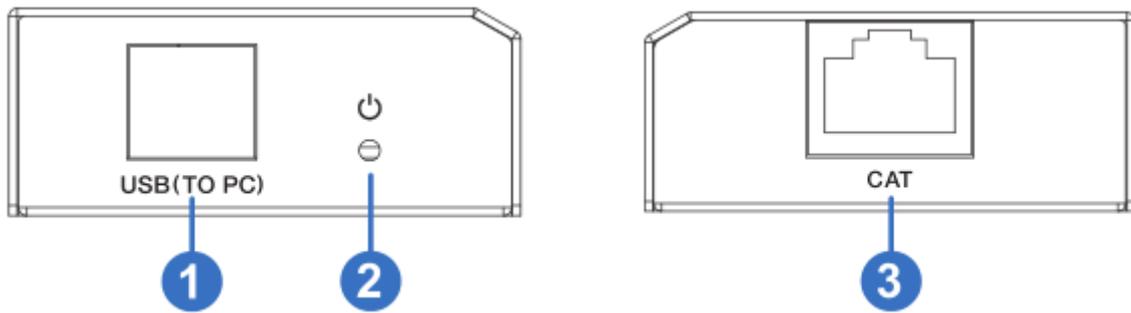
1. 1× USB 2.0 Extender (Transmitter)
2. 1× USB 2.0 Extender (Receiver)
3. 1× USB cable (USB-B male head to USB-A male head, one meter)
4. 1× 5V/1A Power Adapter
5. 1× User Manual

## 4. Specifications

<b>Technical</b>	
USB protocol	USB 2.0
Transmission rate	50M (Note: The transmission distance can only up to 40 meters for some USB 2.0 Hub)
ESD Protection	Human-body Model: 38kV (Air-gap discharge) , 34kV (Contact discharge)
<b>Connections</b>	
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]
<b>Mechanical</b>	
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 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)

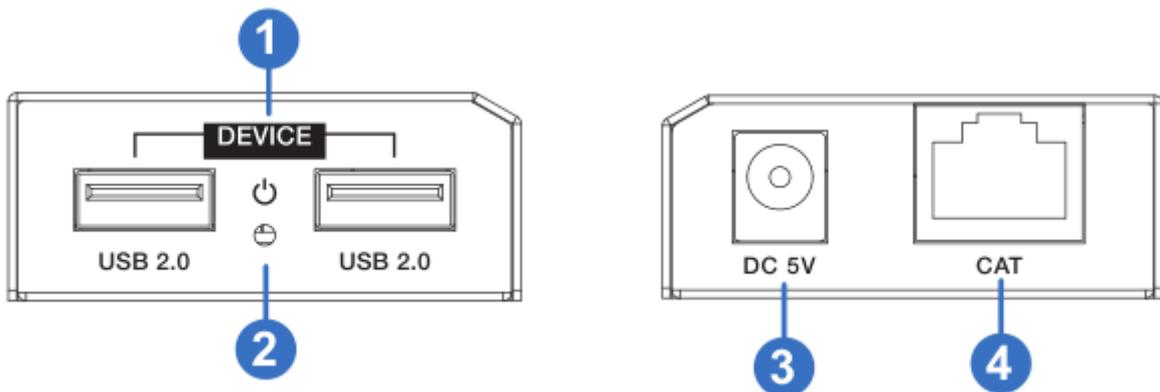
## 5. Operation Controls and Functions

### 5.1 Transmitter Panel



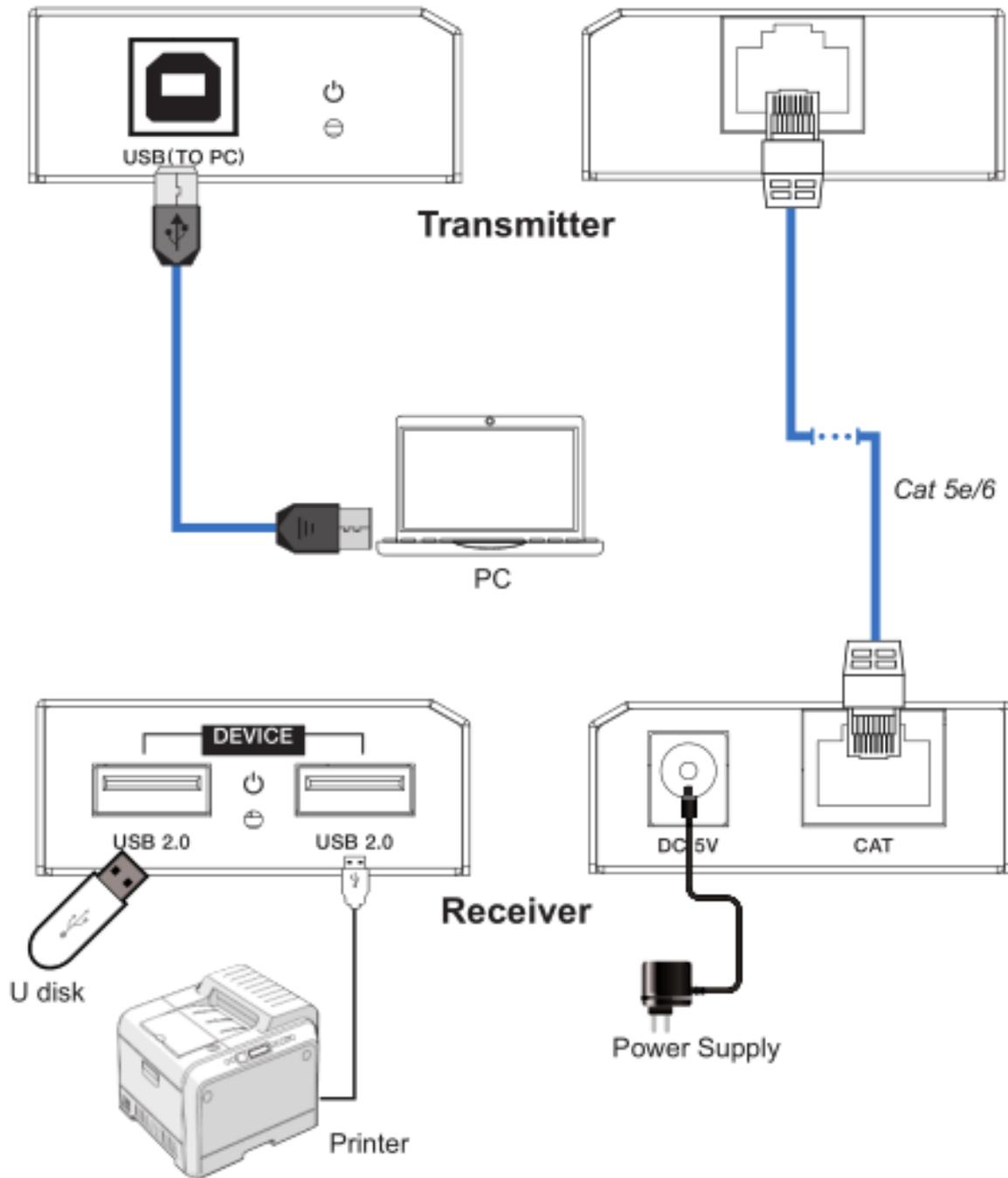
Number	Name	Function description
1	USB port	Use USB-B male head to USB-A male head line to connect a PC's USB port. <b>Note:</b> The PC can control USB ports' device of the receiver.
2	POWER LED	Power LED indicator. The green LED will illuminate when transmitter is provided power supply by USB-B port's device.
3	CAT port	The CAT port is connected receiver's CAT port by CAT 5e/6 cable.

### 5.2 Receiver 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 5V	Plug 5V/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 CAT5e/6 cable.

## 6. Application Example



## 7. Customer Service

The return of a product to our Customer Service implies the full agreement of the terms and conditions hereinafter. These terms and conditions may be changed without prior notice.

### ① Warranty

The limited warranty period of the product is fixed 3 (three) years.

### ② Scope

These terms and conditions of Customer Service apply to the customer service provided for the products or any other items sold by authorized distributor only.

### ③ Warranty Exclusions:

Warranty expiration.

Factory applied serial number has been altered or removed from the product.

Damage, deterioration or malfunction caused by:

- Normal wear and tear.
- Use of supplies or parts not meeting our specifications.
- No certificate or invoice as the proof of warranty.
- The product model showed on the warranty card does not match with the model of the product for repairing or had been altered.
- Damage caused by force majeure.
- Servicing not authorized by distributor.
- Any other causes which does not relate to a product defect. Shipping fees, installation or labor charges for installation or setup of the product.

### ④ Documentation:

Customer Service will accept defective product(s) in the scope of warranty coverage at the sole condition that the defect has been clearly defined, and upon reception of the documents or copy of invoice, indicating the date of purchase, the type of product, the serial number, and the name of distributor.

Remarks: For further assistance or solutions, please contact your local distributor or email directly to us at [support@kanexpro.com](mailto:support@kanexpro.com)