BZB GEAR®

BG-USB-LR100

USB 2.0 Extender (100M)

User Manual

Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully

before connecting, operating or adjusting this product. Please keep this

manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged

by electrical spikes, surges, electric shock, lighting strikes, etc. Use of surge

protection systems are highly recommended in order to protect and extend the

life of your equipment.

Table of Contents

1. Introduction

The BG-USB-LR100 USB 2.0 Extender can extend USB signals up to 100 meters / 328ft via Cat 5e/6 cable. With the transmitter, the USB-B port is connected to a PC. With the receiver, you can connect USB devices via the two USB ports such as a U disk or printer, etc. The Transmitter and Receiver support PoC (Power over Cable). The product can be used for long distance signal transmissions between a PC and USB device. Simple plug and play; no drive and setting installation necessary.

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 transmitter

☆　Supports two USB 2.0 ports output in receiver

☆　Supports PoC function, it means that either transmitter or receiver is
　　connected powered supply by 12V/1A power adapter, the other doesn't
　　need power supply.

☆　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

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) , ±4kV (Contact discharge)
Connections	
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	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
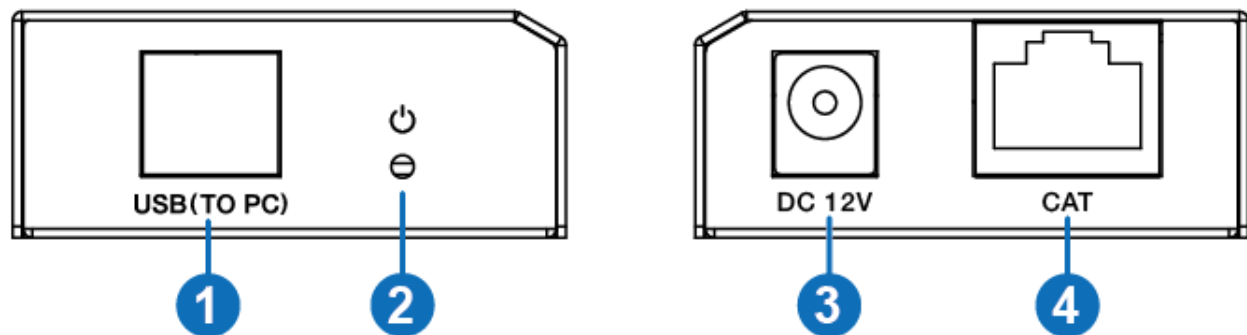
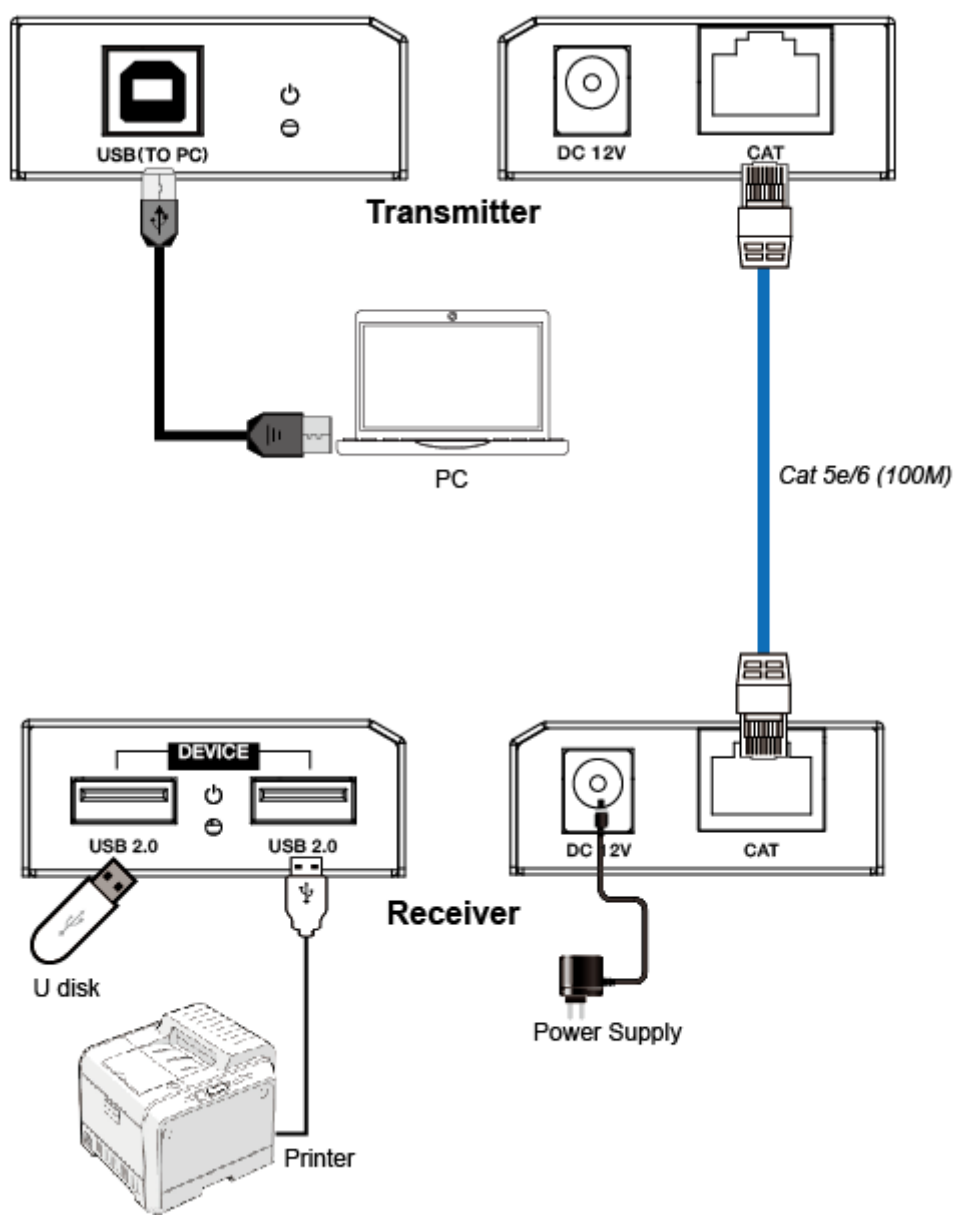| Number	Name	Function description
1	USB port	Use USB-B male head to USB-A male head wire to connect USB port of a PC. **Note:** The PC can control USB ports device of the receiver.
2	POWER LED	Power LED indicator. The green LED will illuminate when transmitter is provided power supply.
3	DC 12V	Plug 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
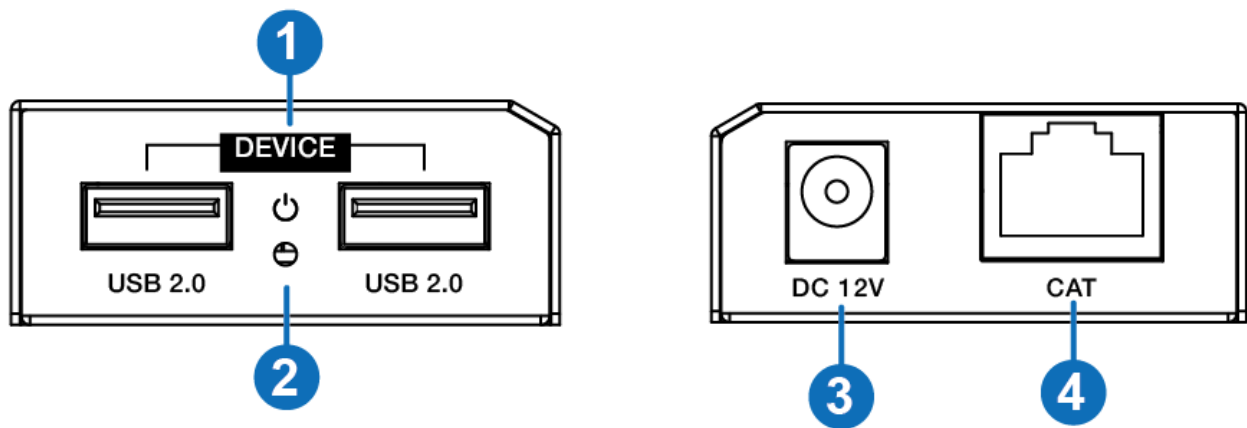
Number	Name	Function description
1	USB 2.0 port	Connect to a device with USB port such as printer or U disk, etc.
2	POWER LED	Power LED indicator. The green LED will illuminate when the receiver is connected power supply.
3	DC 12V	Plug 12V/1A DC power supply into the unit and connect the adapter to an AC outlet.
4	CAT port	The CAT port is connected transmitter's CAT port by CAT 5e/6 cable.

6. Connection diagram

Transmitter

USB(TO PC)

PC

DC 12V   CAT

Cat 5e/6 (100M)

Receiver

DEVICE

USB 2.0   USB 2.0

DC 12V   CAT

U disk

Printer

Power Supply

7. Warranty Information

BZBGEAR wants to assure you peace of mind. We're so confident in the quality of our products that along with the manufacturer's one-year limited warranty, we are offering free second-year warranty coverage upon registration*.

Taking advantage of this program is simple, just follow the steps below:

1. Register your product within 90 days of purchase by visiting BZBGEAR.com/warranty.

2. Complete the registration form. Provide all necessary proof of purchase details, including serial number and a copy of your sales receipt.

For questions, please call 1.888.660.2962 or email support@bzbgear.com.

For complete warranty information, please visit BZBGEAR.com/warranty or scan the QR code below.

*Terms and conditions apply. Registration is required.

8. Mission Statement

BZBGEAR manifests from the competitive nature of the audiovisual industry to innovate while keeping the customer in mind. AV solutions can cost a pretty penny, and new technology only adds to it. We believe everyone deserves to see, hear, and feel the advancements made in today's AV world without having to break the bank. BZBGEAR is the solution for small to medium-sized applications requiring the latest professional products in AV.

We live in a DIY era where resources are abundant on the internet. With that in mind, our team offers system design consultation and expert tech support seven days a week for the products in our BZBGEAR catalog. You'll notice comparably lower prices with BZBGEAR solutions, but the quality of the products is on par with the top brands in the industry. The unparalleled support from our team is our way of showing we care for every one of our customers. Whether you're an integrator, home theater enthusiast, or a do-it-yourselfer, BZBGEAR offers the solutions to allow you to focus on your project and not your budget.