

BG-EXUF

USB3.1/2.0/1.1 Fiber Extender

User Manual







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Statement

Please read these instructions carefully before connecting, operating, or configuring this product. Please save this manual for future reference.

Safety Precaution

- To prevent damaging this product, avoid heavy pressure, strong vibration, or immersion during transportation, storage, and installation.
- The housing of this product is made of organic materials. Do not expose to any liquid, gas, or solids which may corrode the shell.
- Do not expose the product to rain or moisture.
- To prevent the risk of electric shock, do not open the case. Installation and maintenance should only be carried out by qualified technicians.
- Do not use the product beyond the specified temperature, humidity, or power supply specifications.
- This product does not contain parts that can be maintained or repaired by users. Damage caused by dismantling the product without authorization from BZBGear is not covered under the warranty policy.
- Installation and use of this product must strictly comply with local electrical safety standards.



Introduction

The BZBGear BG-EXUF is a 4-port fiber optic USB 3.1/2.0/1.1 extender that extends USB 3.1 up to 328ft (100m) and USB 2.0/1.1 up to 6.2mi (10Km) over single-mode or multi-mode fiber optic cabling. Each port supports data transfer speeds up to 5Gbps (USB 3.1). The advanced optical fiber transmission technology eliminates electromagnetic interference.

Installation and use of the BG-EXUF is effortless with four mounting holes built into its sturdy metal chassis and requires no drivers to be installed on connected devices.

Features

- Integrated USB 3.1 hub with four ports
- Compatible with USB 3.1/2.0/1.1
- USB 3.1 Gen1 data transfer rate: 5Gbps
- USB 2.0 data transfer rate: 480Mbps
- USB 1.1 data transfer rate: 12Mbps
- Converts USB 3.1 to optical fiber without latency
- Transmits audio and video signals over single-mode or OM3 multi-mode fiber
- 1x LC Fiber connector
- External DC 12V power supply
- Anti-electromagnetic interference

Packing List

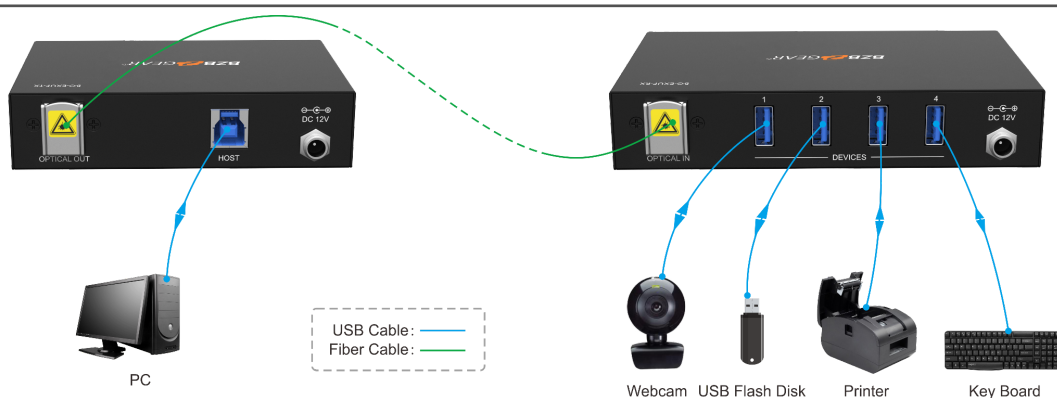
- | | |
|---------------------------------|-------------------------|
| ● 1 x Transmitter | ● 4 x Mounting Screws |
| ● 1 x Receiver | ● 8 x Silicone Cushions |
| ● 2 x Power Adapter (12V DC 1A) | ● 1 x User Manual |
| ● 4 x Mounting Ears | |



Specifications

Distance	
USB 3.1 Gen1	Single-mode fiber or OM3 multi-mode fiber: Non-real-time transmission: 300m Real-time transmission: 100m
USB 2.0/1.1	Single-mode fiber: Non-real-time transmission:10km Real-time transmission:6km OM3 multi-mode fiber: 500m
Data Rate	
USB 3.1 GEN1	5Gbps
USB 2.0	480Mbps
USB 1.1	12Mbps
Transmitter (BG-EXUF-TX)	
USB Interface	1x USB 3.0 type-B male connector
Fiber Interface	1x LC
Dimensions	135mm x 75mm x 26mm
Installation	4 mounting holes for fixing
Enclosure Material:	Metal
Power Supply	External DC 12V
Receiver (BG-EXUF-RX)	
USB Interface	4x USB 3.0 type-A female connector
Fiber Interface	1x LC
Dimensions	160mm x 85mm x 26mm
Installation	4 mounting holes for fixing
Enclosure Material:	Metal
Power Supply	External DC 12V
Environment	
Operating Temperature	-10 to +60°C (+50° to +140°F)
Storage Temperature	-45 to +85°C (-49° to +185°F)
Operating Humidity	20% to 80% relative humidity, non-condensing
Storage Humidity	10% to 80% relative humidity

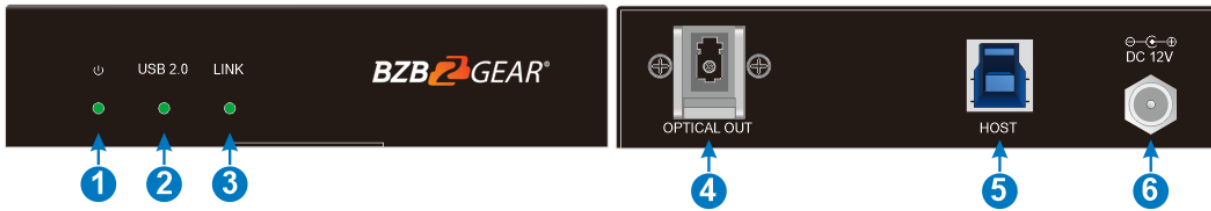
Application Example





Operation Controls and Functions

Transmitter Panel



No.	Name	Function Description
1	Power LED	The green LED will illuminate when connected to DC power.
2	USB 2.0:	The LED light will illuminate when the transmitter is connected to a USB 2.0 computer. If connected to a USB 3.0 computer, the LED light will be off. Note: When the transmitter is connected to a USB 2.0 computer, the receiver device can only be connected to one camera.
3	LINK	The green LED will illuminate when the transmitter and receiver have a good connection status.
4	Optical OUT	Connect to "OPTICAL IN" port on receiver via fiber cable.
5	HOST	Connect to the host computer device.
6	DC 12V	Connect to the DC12V power adapter.

Receiver Panel



No.	Name	Function Description
1	Power LED	The green LED will illuminate when connected to DC power.
2	Devices	The green LED will illuminate when connected to a KVM device.
3	LINK	The green LED will illuminate when the transmitter and receiver have a good connection status.
4	RESET	Press and hold this button for 3 seconds to restore factory defaults.
5	Optical IN	Connect to the "OPTICAL OUT" on the transmitter using a fiber cable.
6	Devices	Connect to KVM devices.
7	DC 12V	Connect to the DC12V power adapter.



Tech Support

Have technical questions? We may have answered them already!

Please visit BZBGear's support page (bzbgear.com/support) for helpful information and tips regarding our products. Here you will find our Knowledge Base (bzbgear.com/knowledge-base) with detailed tutorials, quick start guides, and step-by-step troubleshooting instructions. Or explore our YouTube channel, BZB TV (youtube.com/c/BZBTVchannel), for help setting up, configuring, and other helpful how-to videos about our gear.

Need more in-depth support? Connect with one of our technical specialists directly:

Phone	Email	Live Chat
1.888.499.9906	support@bzbgear.com	bzbgear.com

Warranty

BZBGear Pro AV products and cameras come with a three-year warranty. An extended two-year warranty is available for our cameras upon registration for a total of five years.

For complete warranty information, please visit bzbgear.com/warranty.

For questions, please call 1.888.499.9906 or email support@bzbgear.com.

Mission Statement

BZBGear is a breakthrough manufacturer of high-quality, innovative audiovisual equipment ranging from AVoIP, professional broadcasting, conferencing, home theater, to live streaming solutions. We pride ourselves on unparalleled customer support and services. Our team offers system design consultation, and highly reviewed technical support for all the products in our catalog. BZBGear delivers quality products designed with users in mind.

Copyright

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