

global sources HDMI KVM Fiber Extender



global sources HDMI KVM Fiber Extender Installation Guide

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Specifications

- HDMI Version: HDMI 4K@60Hz / HDCP2.2
- Audio format: L-PCM
- Fiber wavelength: 1310nm; 1550nm
- Fiber transmission distance: 20km
- Maximum operating current: 2A/12V DC (TX), 2A/12V DC (RX)
- Operating Temperature range: -10°C to +55°C
- Dimensions (L x W x H): TX – 106x106x17(mm), Weight: 272.1g; RX – 106x106x17(mm), Weight: 273.1g

Product Usage Instructions:

1. Connection Setup

Follow the connection diagram provided in the manual for proper setup.

2. Physical Interface:

Refer to the physical interface diagram for understanding the ports and buttons on both the transmitter (TX) and receiver (RX).

3. Powering On:

Connect the power adapter to the DC port on both TX and RX units. Press the reset button if necessary.

4. Signal Transmission

Connect the HDMI input source (e.g., PC, notebook) to the TX unit and the display output (e.g., monitor, TV projector) to the RX unit using HDMI cables.

5. Additional Functions

Utilize the IR, RS232, and KVM functions as needed for your specific application.

6. Troubleshooting

If experiencing issues, refer to the troubleshooting section in the manual or contact customer support.

FAQ

• Q: Can this extender support resolutions lower than 4K?

A: Yes, it supports resolutions from 4K down to 1080P through downscaling.

• Q: What is the maximum transmission distance of this extender?

A: The extender can transmit signals up to 20km over a single fiber cable.

• Q: Does this extender require additional software installation?

A: No, it is a plug-and-play device with a pure hardware design.

• **Q: How many USB ports are available on the receiver unit?**

A: The RX unit has two USB ports for connecting keyboards and mice.

HDMI/KVM Extender over Fiber 20KM 4K@60Hz

Quick Installation Guide Ver. 1.0

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INTRODUCTION

HDMI fiber extender is a device transmitting HD audio and video signal via bidirectional single fiber cable. It transmits your HD display with the high resolutions up to 20km. Itsupport IR, RS232 and KVM function.By using bidirectional single fiber LC interfaceit has the characteristics of low cost and stable signal transmission. It can be used insecurity monitoring, high-definition signals between buildings, square large screens andother long-distance HDMI signal transmission fields.

PACKAGE CONTENTS

- HDMI fiber extender transmitter 1PCS
- HDMI fiber extender receiver 1PCS
- DC 12V/2A power supply 1PCS
- User manual 1PCS
- IR C bl 1PAIR

FEATURES

- Support HDMI 4K@60HZ/HDCP2.2:
- Support transmitter HDMI Loop out
- Support 3.5mm stereo output;
- Support IR;
- Support KVM;
- Support RS232;
- Comply with SFP MSA and SFF-8472 standard protocol;
- Pure hardware design, plug and play, do not need to install additional software;
- Support 4K to 1080P resolution (Downscaling).

APPLICATION SCENE



Security monitoring



Multimedia Teaching

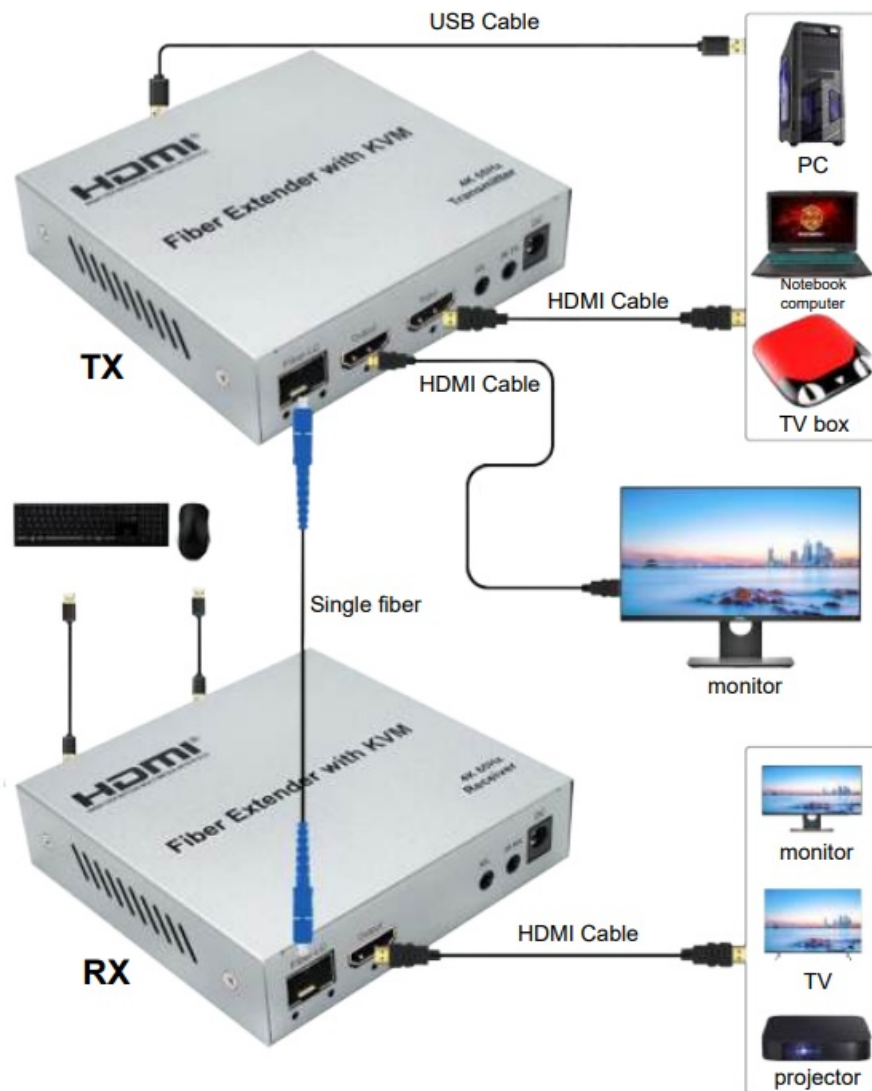


Broadcast screen



HDMI signal extension

CONNECTION DIAGRAM

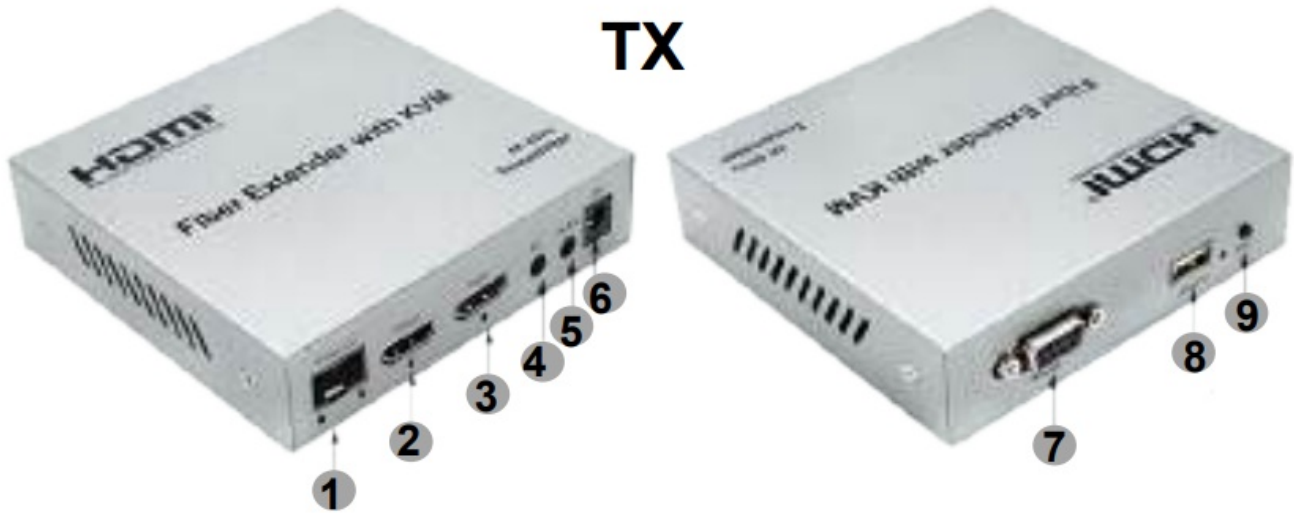


PHYSICAL INTERFACE DIAGRAM:

TX

1. Fiber-LC:Fiber -LC type fiber port.
2. Output:HDMI Signal output port.
3. Input:HDMI Signal input port.
4. RL:3.5mm stereo output.
5. IR-TX:IR transmitter port.
6. DC:12V Power Interface.
7. RS232:RS232 port.
8. USB-PC:USB port (connect to PC).
9. RST:Reset button.

TX



RX

1. Fiber-LC:Fiber -LC type fiber port.
2. Output:HDMI Signal output port.
3. RL:3.5mm stereo output.
4. IR-RX:IR receiver port.
5. DC:12V Power Interface.
6. RS232:RS232 port.
7. USB1:connect with keyboard and mouse.
8. USB2:connect with keyboard and mouse.
9. RST:Reset button.


RX



SPECIFICATIONS:

HDMI Version:	4K@60Hz /HDCP2.2
HDMIreSOlution	The highest input resolution is 3840*2160@60Hz
Audio format	L-PCM
Fiberwavelength	1310nm;1550nm
Fiber transmission distance	20km
The maximum operating current	2A/12V DC(TX),2A/12V DC(RX)
Operating Temperature range:	(-10C~+55C)
Dimension (L x W x H):	106x106x17(mm)
Weight	TX:272.1g RX:273.1g

Documents / Resources

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References

- [User Manual](#)

[Manuals+.](#) [Privacy Policy](#)

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