HDMI/KVM Fiber Extender User's Manual

Special Tips

Before using this product, please read this manual carefully.
Please keep this manual of future reference.
Please use the product properly and with full understanding of the contents.
We reserve the right to make changes to the product without notice due to technical updates.

Product Description

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. It support IR, RS232 and KVM function.By using bidirectional single fiber LC interface,it has the characteristics of low cost and stable signal transmission. It can be used in security monitoring, high-definition signals between buildings, square large screens and other long-distance HDMI signal transmission fields.
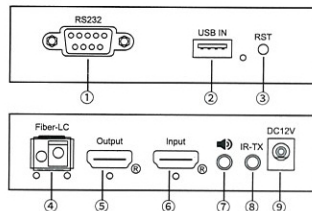
Product Features

- Support HDMI 4K@60Hz/HDCP2.2;
- Support HDMI loop out on sender;
- Support 3.5mm stereo output;
- Support IR;
- Support KVM;
- Support RS232;
- Compliant with SFP MSA and SFF-8472 standard protocols;
- Pure hardware design, plug and play, no need to install additional software;
- Support 4K to 1080P (Downscaling).

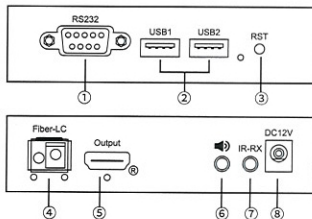(Please refer to the actual product)
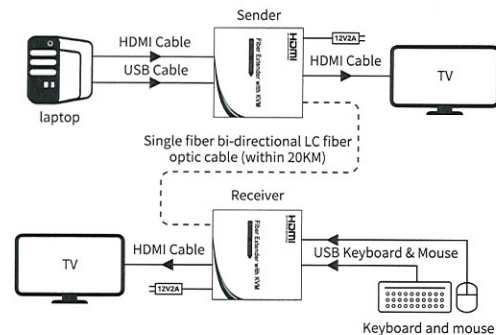
Panel Introduction

Sender

①RS232 interface   ②USB interface (for connection to computer host)
③Reset button   ④Fiber-LC type interface   ⑤HDMI signal output interface
⑥HDMI signal input interface   ⑦3.5mm audio output interface
⑧IR transmitter TX terminal   ⑨Power interface

Receiver

①RS232 interface   ②USB interface x 2 (to connect keyboard and mouse)
③Reset button   ④Fiber-LC type interface   ⑤HDMI signal output interface
⑥3.5mm audio output interface   ⑦Infrared receiver RX terminal
⑧Power interface

Connection Diagram

Single fiber bi-directional LC fiber optic cable (within 20KM)

Technical Parameter

HDMI Version--HDMI 4K@60Hz/HDCP2.2
HDMI Resolution----------------Maximum input can support 3840x2160@60Hz
Supported Audio Format--L-PCM
Optical wavelength--1310nm；1550nm
Fiber optic transmission distance----------------------------------Up to 20KM
Maximum operating current ------2A/12V DC (TX-side)；2A/12V DC (RX-side)
Operating Temperature Range -----------------------------(-10 to +55℃)
Size--106x107x27 (mm)
Weight---TX: 272.1g, RX: 273.1g

Packing List

No.	Name	Qty	Remark
1	HDMI Extender (Sender & Receiver)	1	
2	Power Adapter	2	
3	Infrared Sender Cable	1	
4	Infrared Receiver Cable	1	
5	USB Cable	1	
6	Instruction manual	1	

Safety instructions for use

To ensure the reliable use of the equipment and the safety of personnel, please observe the following when installing, using and maintaining.

■ Do not use the product in the following places: places with dust, oil fumes, conductive dust, corrosive gases, combustible gases; places exposed to high temperature, condensation, wind and rain; places with vibration and shock. Electric shock, fire, misuse can also lead to damage and deterioration of the product.

■ Avoid wiring, plugging and dialing cable plugs in a charged state, which may easily lead to electric shock or cause circuit damage to bonus.

■ Installation and wiring must be solid and reliable, poor connection may lead to misoperation.

■ This product is grounded through the grounding conductor of the power cord. To avoid electric shock, the grounding conductor must be connected to earth, and the product must be properly grounded before making connections to the input or output of this product.

■ The external power must be completely disconnected before installation, wiring, etc., or else electric shock or equipment damage may result.

■ In the following cases, please disconnect the power immediately and contact the company.

1. Water enters the equipment.

2. The equipment is broken or the case is cracked.

3. The equipment works abnormally or the demonstrated performance has been completely changed.

4. The equipment produces odor, smoke or noise.

■ Do not repair the equipment yourself, except as expressly instructed in the manual.