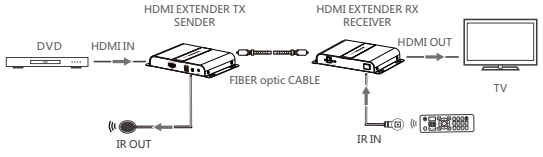
5.4 Front Panel of RX

① Power status indicator
② Power input (DC5V)
③ Data transmission indicator
④ Network connection indicator
⑤ HDbitT RX

6. Connection and operation



7. FAQ

Q: TV display "waiting for connection" on the bottom right corner?

A: Please check if the power supply of TX (sender) and the fiber optic cables are well connected.

Q: TV display "HDbitT Reminder: Please check the TX input signal" ?

A: 1) please check if there is an HDMI signal input of sender TX.

2) Try to connect the source device directly with display device to see if there is signal output from source device or change the source device and HDMI cables to retest.

Q: Display not fluent and stable?

A: Press "reset" button on the TX/RX panel or reconnect power.

8. Specification

Item	Specification
HDMI signal	Full compatible with HDCP
Transportation protocol	HDbitT
Support resolution	480i@60Hz,480p@60Hz,576i@50Hz,576p@50Hz,720p@50/60Hz, 1080i@50/60Hz,1080p@50/60Hz 4Kx2K@25/30Hz,4Kx2K@25/30Hz
DDC signal voltage	5Vp-p(TTL)
TMDS bandwidth	10.2Gpbs
Central wave length	1310nm
Transmission distance	20km
Link loss	≤14dB
Output light power	≥-11dBm
Receive sensitivity	≤-32dBm
Return loss	15dB
IR remote control	Support 20~60KHz IR remote control
Power supply	DC5V/2A * 2pcs
Power consumption	TX<5W RX<4W
Working temperature	0℃~60℃
Enclosure material	Aluminum alloy
Product dimension	151.5x 95x22mm (LxWxH) *2pcs
Weight	TX:360g RX:360g
Color	Black

Disclaimer

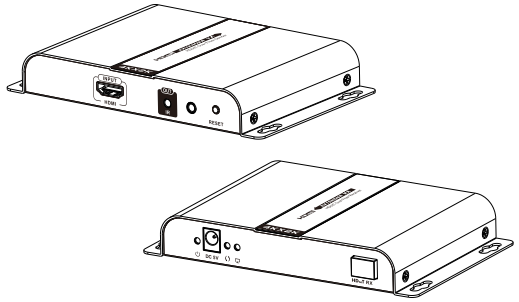
* The product name and brand name may be registered trademark of related manufacturers.TM and ® may be omitted on the user manual. The pictures on the user manual are just for reference, and there may be some slight difference with the real products.

We reserve the rights to make changes without further notice to a product or system described herein to improve reliability, function or design.

HDMI Over Fiber Transmitter and Reciever Extender with IR

User Manual

1L-HDMI-FE4K



QUESTTEL
Broadcast Systems

Thank you for purchasing this product. For optimum performance and safety, please read the instructions carefully and keep the manual for future reference.

• Important safety notice

Please read below safety instructions carefully before installation and operation:

* Please pay attention to all the warnings and hints on this device.
* Do not expose this unit to rain, moisture and liquid.
* Do not put any stuff into the device.
* Do not repair or open this device without professional people's guidance.
* Make sure good ventilation openings to avoid product overheating damage.
* Shut off power and make sure environment is safe before installation.
* Do not plug-in/out the network cables and IR cables when it is in using to avoid cables damage.
* Use DC5V only. Make sure the specification matched if using 3rd party DC adapters.

1. Introduction

This HDMI over fiber optic incorporates HDBitT transport technology, allowing you to extend 20Km distance between the source device and display end and supporting IR pass back function. It can be widely applied in video conference, medical system, shopping mall, multimedia presentation etc field.

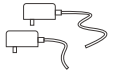
2. Features

1. Single mode fiber optic transmission.
2. No need extra installation driver.
3. Transmit 4KX2K signal up to 20Km.
4. Support IR pass back for easy control.
5. Avoid the electromagnetic interference in environment for long distance transmission.
6. Low signal loss, wide frequency band and strong anti-interference.
7. High-end aluminum alloy enclosure design.
8. Wall-mountable design for convenient installation.

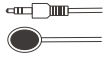
3. Package contents

HDMI extender TX*1pcs

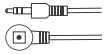
HDMI extender RX*1pcs



DC5V2A*2pcs



IR blaster extension cable*1pcs



IR receiver extension cable*1pcs

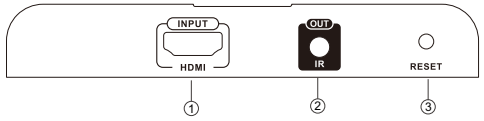
User's manual*1pcs

4. Installation Requirements

1. Source device with HDMI output port(computer graphics card, DVD,PS3, HD monitor equipment etc).
2. Display device with HDMI input port (HDTV, projector).
3. HDMI cable and single mode fiber optic cable.

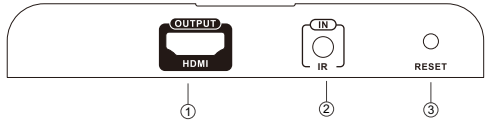
5. Panel description

5.1 Rear panel of HDMI extender TX



① HDMI signal input ②IR blaster extension cable port
③ Reset button

5.2 Rear panel of HDMI extender RX



① HDMI signal output ② IR receiver extension cable port
③ Reset button

5.3 Front Panel of TX

① Power status indicator ② Power input (DC5V)
③ Data transmission indicator ④ Network connection indicator
⑤ HDbitT TX

Safety Instructions

Read before operating equipment.

1. Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
2. Power Sources - Use supplied or equivalent UL/CSA approved low voltage DC plug-in transformer.
3. Outdoor Antenna Grounding - If you connect an outside antenna or cable system to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
4. Lightning - Avoid installation or reconfiguration of wiring during lightning activity.
5. Power Lines - Do not locate an outside antenna system near overhead power lines or other electric light or power circuits or where it can fall into such power lines or circuits. When installing an outside antenna system, refrain from touching such power lines or circuits, as contact with them might be fatal.
6. Overloading - Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
7. Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short out parts, resulting in a fire or electric shock. Never spill liquid of any kind on the product.
8. Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
9. Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
- When the power supply cord or plug is damaged.
- If liquid spills or objects fall into the product.
- If the product is exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. An improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the video product is dropped or the cabinet is damaged.
- When the video product exhibits a distinct change in performance, this indicates a need for service.