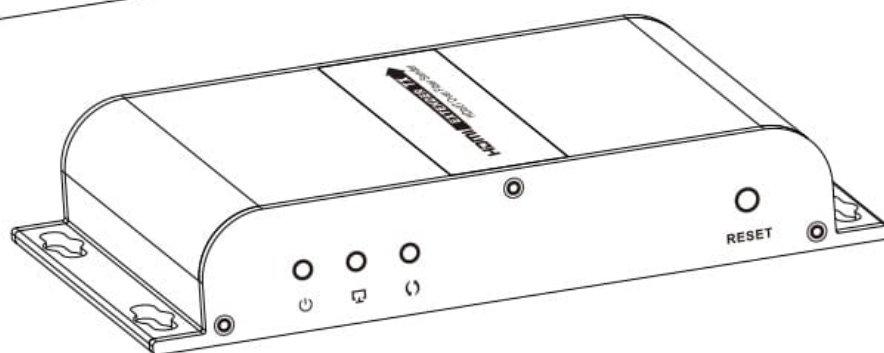
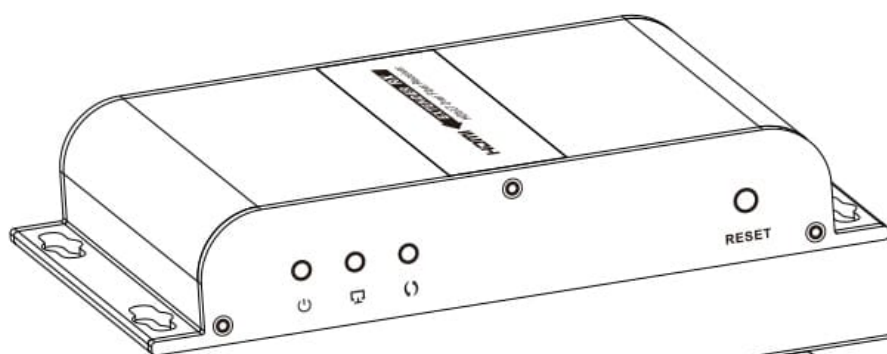


# HDBitT HDMI over Fiber Optic Extender

User Manual



## 8. Specification

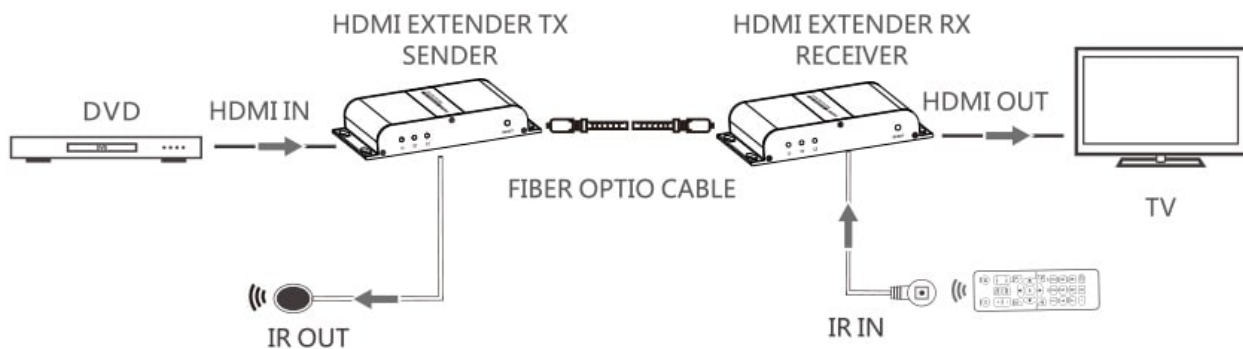
Item	Specification
HDMI signal	Full compatible with HDCP
Transportation protocol	HDbiT
Support resolution	480i@60Hz,480p@60Hz,576i@50Hz,576p@50Hz,720p@50/60Hz,1080i@50/60Hz,1080p@50/60Hz
DDC signal voltage	5Vp-p(TTL)
TMDS bandwidth	10.2Gpbs
Central wave length	1310nm
Transmission distance	1 ~ 20km
Link 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<4W RX<3.5W
Working temperature	0°C ~ 60°C
Enclosure material	Aluminum alloy
Product dimension	138x 81.5x24mm (WxDxH) *2pcs
Weight	TX:178g RX:177g
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.

## 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.

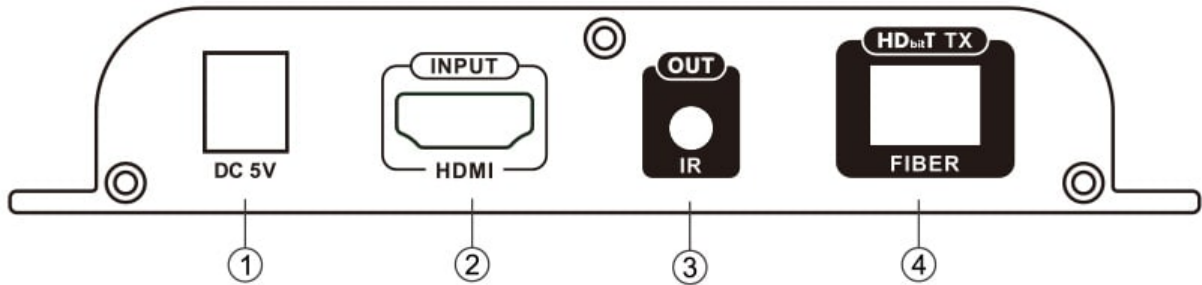
2) Try to connect the source device directly with display device to see if there is signal output from source device or change the source device and HDMI cables to retest.

Q: Display not fluent and stable?

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

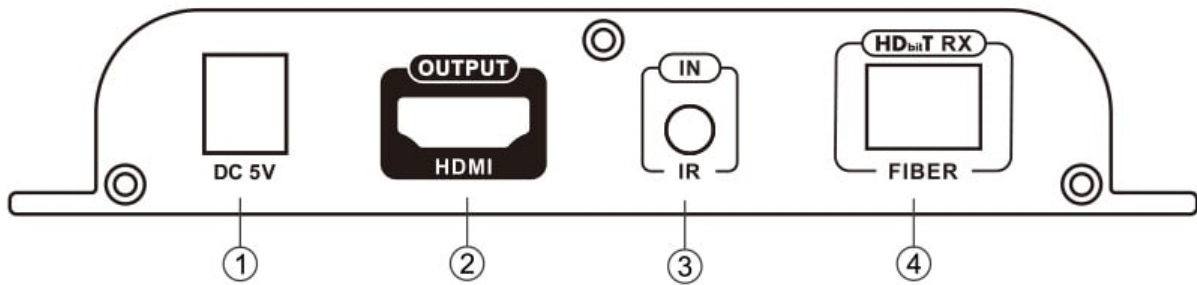
## 5. Panel description

### 5.1 Rear panel of HDMI extender TX



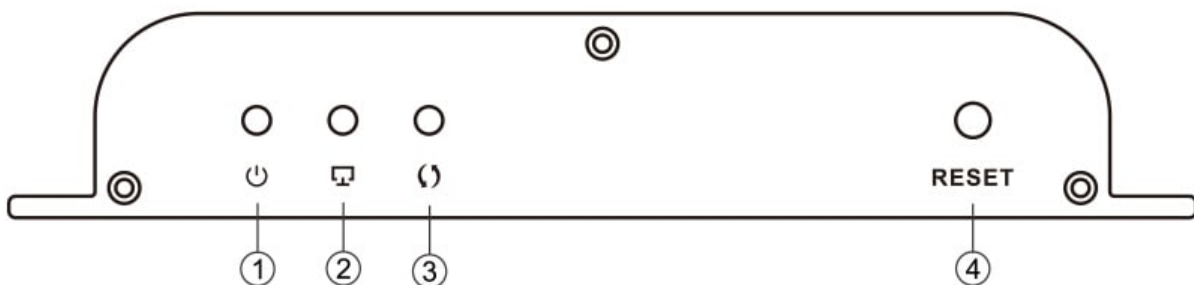
- ① Power input (DC5V)
- ② HDMI signal input
- ③ IR blaster extension cable port
- ④ Fiber optic signal send port

### 5.2 Rear panel of HDMI extender RX



- ① Power input (DC5V)
- ② HDMI signal output
- ③ IR receiver extension cable port
- ④ Fiber optic signal receive port

### 5.3 Front Panel of TX and RX

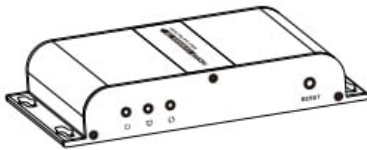


- ① Power status indicator
- ② Network connection indicator
- ③ Data transmission indicator
- ④ Reset button

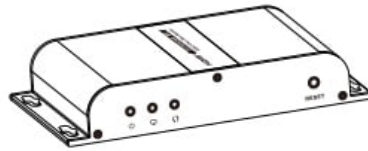
## 2. Features

1. Single mode fiber optic transmission.
2. No need extra installation driver.
3. Transmit 1080p 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.

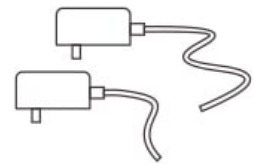
## 3. Package contents



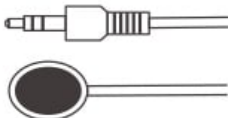
HDMI extender  
TX\*1pcs



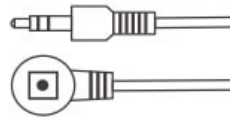
HDMI extender  
RX\*1pcs



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.



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 3<sup>rd</sup> party DC adapters.

## **1. Introduction**

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