

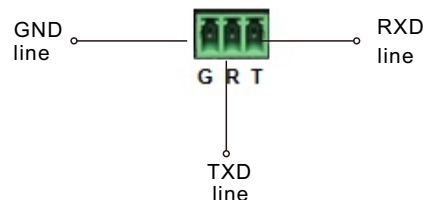
3.RS232 serial bi-direction passback function

(1) Baud rate

Different encoding mechanism can not mix-connect, the baud rate of RS232 serial of these transmitter unit and receiver unit, support 2400, 4800, 9600, 19200, 28800, 38400, 57600, and 115200

(2)Line order

Check and make sure the RS232S serial line connect firmly and well, and make sure serial data line is connected correctly as below:



If the RS232 serial does not work by above connection, please try to change the order of TXD line and RXD line.

(3) Check baud rate:

If you need to check the baud rate of last time, firstly, before power on, set the baud rate to 115200 on your serial port test tool . Then, power on, when the RS232 serial of product connects to serial port test tool, the software will read out the baud rate at present.

e.g.: software show information " Baud rate: 9600" , means 9600 is the current baud rate

(4) Set baud rate

For example: the current baud rate is 9600, but the baud rate of control equipment is 19200, so it needs to set the baud rate to 19200.

At this time, in serial port tool, choose baud rate "9600", then input command "set: 19200" in character format and send it out.

• FAQ

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

A: Please check if the power supply of transmitter and the fiber optic cables are well connected.

Q : TV displays "Please check the transmitter input signal" ?

A : 1) Please check if there is a DVI signal input of transmitter .

2) Try to connect the signal source directly to display device to see if there is signal output from source device, or change the signal source, DVI cable and try again.

Q: Display not fluent, not stable?

A : 1) Please check the cable length between the transmitter to fiber splitter, the fiber splitter to the receiver and the connection between each level is within the required range.

2) Press the "reset" button on the transmitter /receiver front panel, reset and reconnect.

• Specification

Items	Specifications
HDCP	HDCP1.2
Transport protocol	HDbitT
DVI signal format	DVI-D 1.0
DVI type	DVI-D
Supported resolution	800x600@60Hz, 1024x768@60Hz, 1280x720@60Hz, 1280x960@60Hz, 1366x768@60Hz, 1440x900@60Hz, 1680x1050@60Hz, 1920x1080@60Hz,

RS232	Supports RS232 Bi-directional pass back
Network Cable	Support SMF and MMF cables
Transmission distance	Transmission distance up to 20Km over SMF cable (500m over MMF cable)
Working Temperature	0°C~60°C
Operation humidity	10-95% (No ncondensing)
Power Supply	5V/1A*2pcs
Power Consumption	TX < 4W RX < 4W
Dimensions	177.5(L)x105(W)x23(H)mm*2pcs
Weight	TX:400g RX:400g
Color	black

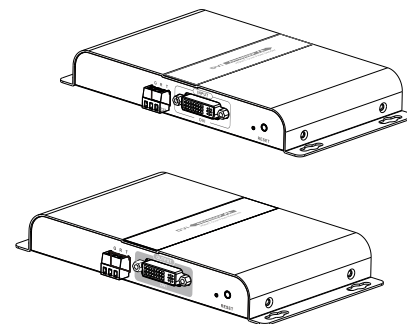
Disclaimer

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.

HDbitT DVI Extender over Fiber Optics

User Manual



● Important Safety instructions

1. Do not mix up the DVI transmitter (TX) and DVI receiver (RX)
2. Do not plug-in/out the cables ,when it is in using
3. Use DC 5V power supply only. Make sure the specification matched if using 3rd party DC adapters

● Introduction

This DVI extender over fiber optics , includes a transmitter unit and a receiver unit , applies the advanced HDbiT over IP technology , can extend DVI signal up to 20Km between the source device and display device over fiber optic cables. This product is perfect for long distance transmission field.

HDbiT:

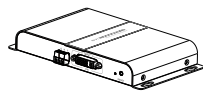
High-definition digital network transport protocol, compared to traditional technology, it provides better stable performance, image clarity, further transmission distance and other significant advantages, easily to meet the demand for high-definition long-distance transmission without any converter.

● Features

1. Applies advanced HDbiT over IP technology.
2. Support SMF and MMF cables.
3. Transmission distance up to 20Km over SMF cable (500m over MMF cable).
4. Resolution supported is up to 1920x1080@60Hz.
5. Support RS232 Bi-directional pass back .
6. Avoid the electromagnetic interference in environment for long distance transmission.
7. Low signal loss, wide frequency band and strong anti-interference.
8. Plug and play.

9. Wall-mountable design, easy for installation.

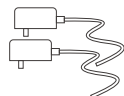
● Package Contents



Transmitter unit (TX)



Receiver unit (RX)



DC5V/1A x2pcs



User manual x1pcs



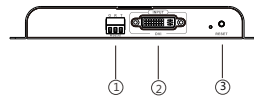
RS232 serial port cap x2pcs

● Installation Requirements

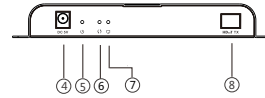
1. Source devices :
Source devices with DVI interface , such as satellite STB, PC, computer, recorder etc.
2. Display devices :
Display devices with DVI interface, such as TV, projector, monitor etc.
3. cable :
DVI cables , single mode and multi-mode fiber optic cables.

● Panel introduction

1. Transmitter unit (TX)

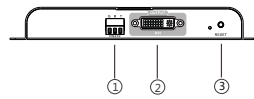


- ① RS232 Bi-directional pass back
- ② DVI-D signal input
- ③ Reset button
- ④ Power input (DC5V)

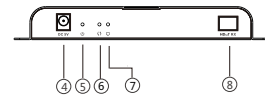


- ⑤ Power indicator
- ⑥ Data transmission light
- ⑦ Network link light
- ⑧ Fiber optic signal output port

2. Receiver unit (RX)



- ① RS232 Bi-directional pass back
- ② DVI-D signal output
- ③ Reset button
- ④ Power input (DC5V)

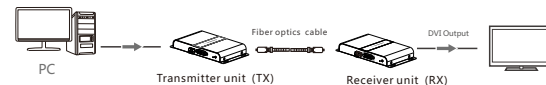


- ⑤ Power indicator
- ⑥ Data transmission light
- ⑦ Network link light
- ⑧ Fiber optic signal input port

● Connection and operation

1. Point to point connection

Up to 20 Km transmission distance over single fiber optic (Up to 500m transmission distance over multi-mode fiber optics)



2. One-to-many Connection

By using fiber splitter , one transmitter to several receivers, realize extender & splitter function.

