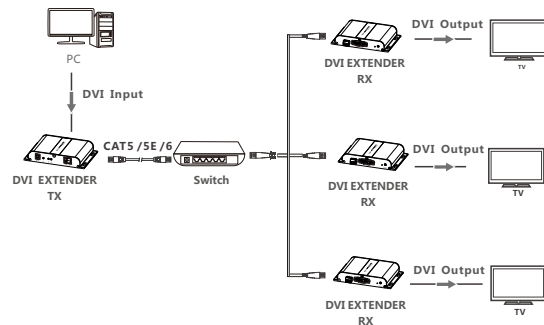


2.3 One-to-many Connection:

By using network router/switch , one transmitter to several receivers, realize extender & splitter function.



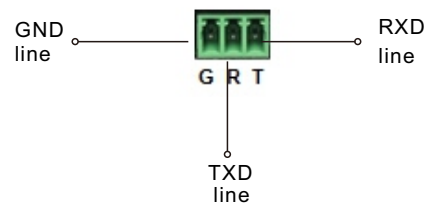
4.RS232 serial bi-direction passback function

(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, just input your command " set: 19200" in character format.

• FAQ

Q : TV displays "Waiting for connection" on the right corner ?

A : 1) Please check and make sure the power supply of transmitter and switcher(if used) is connected well, network cable compliant to IEEE-568B standard, and the length within the required range .

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 switch, the switch to the receiver and the connection between each level is within the required range.

2) Press the "reset" button on the TX/RX front panel, reset and reconnect.

• Specification

Items	Specifications
HDCP	HDCP1.2
Transport protocol	HDbiT
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	UTP/STP CAT5E/6
Transmission distance	Up to 120 meters transmission distance for 1080p 60Hz Full HD over single CAT6(CAT5: 80m, CAT5E 100m)
Working Temperature	0°C~50°C
Operation humidity	10-95% (No ncondensing)
Power Supply	5V/1A
Power Consumption	TX < 4W RX < 4W
Dimensions	137.8(L)x97.8(W)x23.7(H)mm*2pcs
Weight	TX:220g RX:220g
Color	black

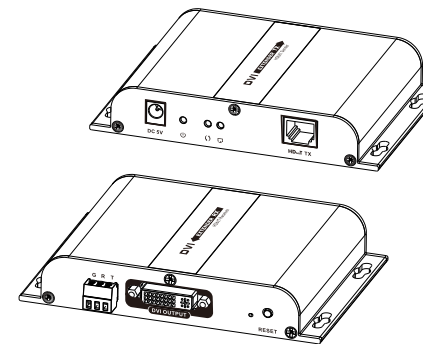
Disclaimer

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.

HDbiT DVI Extender

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, includes a transmitter unit and a receiver unit, applies the advanced over IP technology , can extend DVI signal up to 120 meters via a single network cable. It is perfect for application of home entertainment, multimedia education, large screen display, conference system, etc.

HDbitT: 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 HDbitT over IP technology
2. Support DVI-D signal transmission
3. Transmission distance is up to 120 meters via CAT6 cable
4. Resolution supported is up to 1920x1080@60Hz
5. Plug and play
6. Metal housing, stable and durable
7. Wall-mountable design, easy for installation

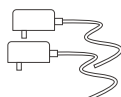
• Package Contents



DVI EXTENDER TX x1pcs



DVI EXTENDER RX x1pcs



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.

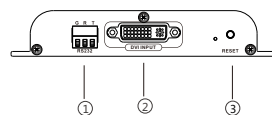
3. Network cable :

UTP/STP CAT5E/6 network cables, which following the standard of IEEE-568B.

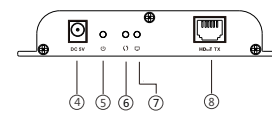
Transmission length: CAT5 80m/CAT5E 100m/CAT6 120m

• Panel introduction

1. DVI EXTENDER TX

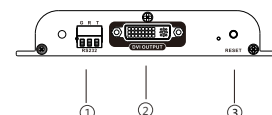


- ① RS232 Bi-directional pass back
- ② DVI-D signal input
- ③ Reset button
- ④ Power input (DC5V)

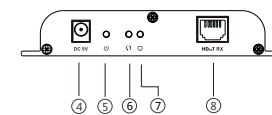


- ⑤ Power indicator
- ⑥ Data transmission light
- ⑦ Network link light
- ⑧ HDbitT signal output

2. DVI EXTENDER 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 HDbitT signal input

• Installation Procedures

1. How to make a CAT5E/6 network cable

Follow the standard of IEEE-568B:

- | | | |
|----------------|--------------|---------------|
| 1-Orange/white | 4-Blue | 7-Brown/white |
| 2-Orange | 5-Blue/white | 8-Brown |
| 3-Green/white | 6-Green | |



2. Connections

2.1 Point to point connection

Up to 120 meters transmission distance over single CAT6 (High quality cable can reach 150 meters)



2.2 Router Connection:

By using network router/Switch, realize unlimited extension.

