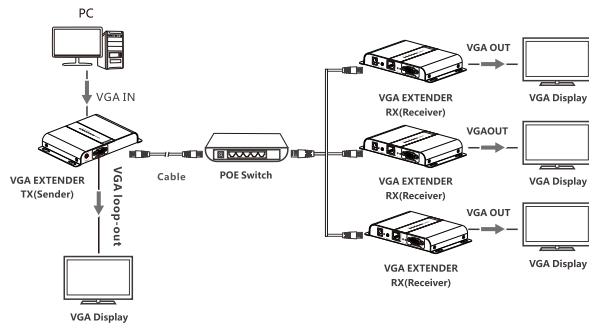


2.3 One-to-many Connection: By using network router/switch , one sender to several receivers, realize extender & splitter function.



Note: Gigabit (1000Mbps) switcher is recommended in LAN transmission.

• FAQ

- Q :** TV display “Waiting for connection” on the right corner?
A : Please check if the power supply of TX (Sender) and switcher (if used) is connected, and make sure connecting cable is firmly.
- Q :** TV display “Please check the TX input signal” ?
A : 1) please check if there is a VGA signal input of TX.
 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, VGA cable and try again.
- Q :** Display not fluent, not stable?
A : 1) Please check the cable length between the TX to switch, the switch to the RX 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

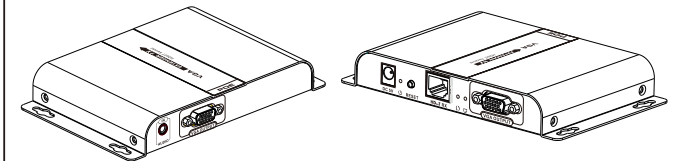
Items	Specifications
Transmit Protocol	HDBiT
VGA Signal Format	RGBHV
Support Resolution	1920x1080@60Hz ; 1680x1050@60Hz ; 1440x900@60Hz ; 1360x768@60Hz ; 1280x1024@60Hz ; 1280x960@60Hz ; 1280x720@60Hz ; 1024x768@60Hz ; 800x600@60Hz ;
VGA Resistance	75Ω
Transmit Distance	Transmit 1080P signal over cat6 up to 120 meters CAT5 : 80m CAT5e : 100m CAT6 : 120m It transmits up to 150meters over higher quality level network cable.
Audio Port	3.5mm jack
Working Temperature	0°C ~ 60°C
POE Input	Support IEEE802.3af (Input power 10W)
Power Supply	DC5V/2A (not including)
Power Consumption	TX : <10W, RX: <10W
Product Dimension	151×112×22mm(L×W×H)
Product Net Weight	Tx : 360g, RX: 350g
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 VGA POE Extender

User manual



• INTRODUCTION

VGA HDbiT extender, takes the advantages of the latest transmission technology - HDbiT, extends your VGA video/audio with the resolution of 1080P 60Hz up to 120m(394 feet) via single network cable.

Important Safety instructions:

1. Do not mix up the VGA EXTENDER sender and VGA EXTENDER receiver.
2. Do not plug-in/out the cables ,when it is in using.
3. Support and compliant with IEEE802.3af international standard switcher and other POE power supply devices. The maximal wattage of the transmitter or receiver is 10w only.
4. Please note that our extender supports external 5V power supply for alternative. Please do not connect POE power supply and 5V power supply at the same time, choose each one would work.

• Feature

- 1.Apply advanced HDbiT transport protocol
- 2.Extend VGA signal over single CAT5/5e/6 cable
- 3.Support POE(Power over Ethernet), convenient for wiring
- 4.Support RGBHV input
- 5.Transmit 1920X1080@60Hz signal up to 120 meters
- 6.With 1 VGA loop-out, convenient for remote control the video signal
- 7.With 3.5mm audio jack
- 8.High-end aluminum alloy enclosure design
- 9.Wall-mountable design for convenient installation

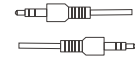
• Package Contents



VGA EXTENDER sender TX ×1pcs



VGA EXTENDER receiver Rx ×1pcs



3.5mm audio cable



User Manual ×1pcs

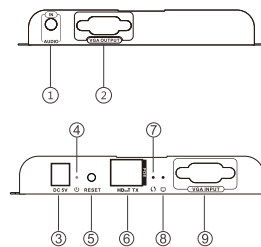
Note : above accessory ccontent is regular package for a kit. If buy VGA extender TX or VGA extender RX separately, the package contents would be different.

• Installation Requirements

1. VGA source device(computer graphics card, DVD,PS3, HD monitoring equipment etc).
2. VGA display device like SDTV, HDTV, projector with VGA port.
3. Network cables : UTP/STP Cat5/5e/6 network cables, which following the standard of IEEE-568B.
Transmission length: CAT5 80m/CAT5e 100m/CAT6 120m.
4. POE powered device:
Support and compliant with IEEE802.3af international standard switcher and other POE power supply devices. The maximal wattage of the transmitter or receiver is 10w only.

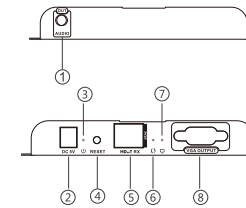
• Panel Description

1. VGA EXTENDER TX (Sender)



- ① AUDIO IN
- ② VGA loop-put
- ③ DC5V IN
- ④ Power light
- ⑤ Reset
- ⑥ HDbiT signal output
- ⑦ Data transmission light
- ⑧ Network link light
- ⑨ VGA input

2. VGA EXTENDER RX(Receiver)



- ① AUDIO OUT
- ② DC5V IN
- ③ Power light
- ④ Reset
- ⑤ HDbiT signal input
- ⑥ Data transmission light
- ⑦ Network link light
- ⑧ VGA output

• Installation Procedures

1. How to make a Cat5e/6 network cable

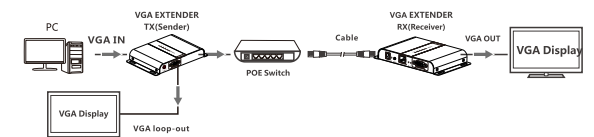
Follow the stanard of IEEE-568B:

- | | | |
|----------------|--------------|---------------|
| 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/repeater, realize unlimited extension.

