PC
VGA IN
VGA EXTENDER TX (Sender)
Cat5/6 cable
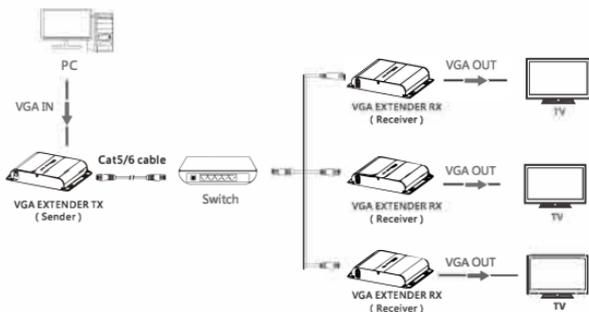Switch
Switch*N
VGA OUT
VGA EXTENDER RX (Receiver)
TV

2.3 One-to-many Connection:
By using the network router/switch, you can execute the extender & splitter function by connecting one transmitter to several receivers.

PC
VGA IN
Cat5/6 cable
VGA EXTENDER TX (Sender)
Switch
VGA EXTENDER RX (Receiver)
VGA OUT
TV

7 FAQ

Q: What can I do if I get "waiting for connection" at bottom right corner of screen?
A: Please check if the power supply of TX (sender) and the network cable are well connected.
Q: What should I do if I get a " Please check the TX input signal" message at middle of screen?
A: 1) Check if there is a VGA signal from the input of the sender TX.
   2) Try to connect the source device directly with the display device to check if there is an output signal from the source device or change the source device and VGA cables to retest.

Q: What should I do if the display does not have a clear and stable image?
A: 1) Make sure that the length of the network cable is within the required range.
   2) Press the "reset" button on the TX/RX panel.

8 Specification

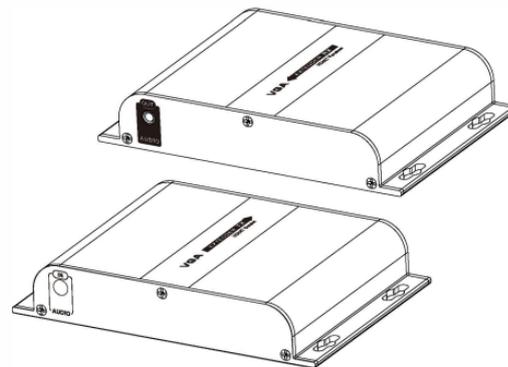| Items	Discription
Transmission Protocol	HDbitT
VGA signal format	RGBHV
VGA resistance	75Ω
Support resolution	1920x1080@60Hz；1680x1050@60Hz；1440x900@60Hz；1360x768@60Hz；1280x1024@60Hz；1280x960@60Hz；1280x720@60Hz；1024x768@60Hz；800x600@60Hz
Transmission Distance	Transmit 1080P signal over cat6 up to 120 meters CAT5 : 3.15" (80m) - CAT5E : 3.94" (100m) - CAT6 : 4.72" (120m) It transmits up to 492ft (150m) over higher quality level network cable.
Audio	3.5mm audio jack
Working temperature	32F ~ 140F (0℃ ~ 60℃)
Power supply	DC5V/2A *2pcs
Power consumption	TX<7.5W RX<7W
Product dimension	5.43" x 3.54" x 0.94" (138x90x23.8mm) *2pcs
Product net weight	TX:0.47lb (215g) RX:0.47lb (21Sg)
Color	Black

Disclaimer

The product and brand names are registered trademarks of the 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 right to make changes without prior notice to a product or system described herein to improve reliability, function or design.

HDbitT VGA over single network cable Extender

User manual

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

• Important safety notice

Please read the below safety instructions carefully before installation and operation:

* Please pay attention to all the warnings on this device.
* Do not expose this unit to rain, moisture and liquids.
* Do not repair or open this device without a professional's guidance.
* Make sure to have enough vents to avoid product overheating damage.
* Shut off the power and make sure that the environment is safe before installation.
* Do not plug-in/out the network cables and IR cables during the operation in order to avoid damaging the cables.
* Only use 5V DC. Make sure that the specifications match in case of using 3rd party DC adapters.

1 Introduction

This VGA extender incorporates HDbitT transport technology to extend VGA signal over single cat5/6 cables. It saves cable cost and supports RGBHV signal input. It can be widely applied for TVs, HD video camera systems and multimedia field, etc.

2 Features

1) Apply advanced HDbitT transport protocol
2) Extend VGA signal over single cat5/6 cables
3) Transmit 1080p signals for up to 120 meters
4) Supports RGBHV input
5) Supports a 3.5mm audio jack
6) High-end aluminum alloy enclosure design
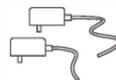7) Wall-mountable design for a convenient installation

3 PACKAGE CONTENTS

VGA EXTENDER TX × 1

VGA EXTENDER RX × 1

DC5V/2A × 2

3.5mm audio cable

User's manual x 1

4 INSTALLATION REQUIREMENTS

1. Source device with VGA output port (computer graphics card, DVD,PS3, HD monitoring equipment etc)
2. Display device with VGA input port
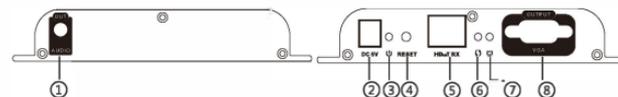3. UTP/STP Cat5e/6 cable follow standard IEEE-568B

5 Panel description

5.1 VGA Extender TX sender

① Audio Input
③ Power status indicator
⑤ HDbitTsignal output
⑦ Network connection indicator
② Power input (5V DC)
④ Reset button
⑥ Data transmission indicator
⑧ VGA signal input

5.2 VGA Extender RX receiver

① Audio output
③ Power status indicator
⑤ HDbitT signal input
⑦ Network connection indicator
② Power input (5V DC)
④ Reset button
⑥ Data transmission indicator
⑧ VGA signal output

6 Installation procedures

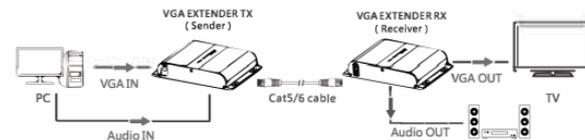### 1. Prepare Cat5/6 network cable

Follow the IEEE-568B standard:
1. white and orange   2. orange 3. white and green
4. blue   5. white and blue   6. green
7. white and brown   8. brown

2. Connection

2.1 Transmit 1080P signal over cat6 up to for up to 394ft (120m) and 492ft (150m) over higher quality cables.

2.2 Router Connection:
By using network router/Switch, achieve unlimited extension.