

Please put the User Manual in the place where it's safe and easy to find when you need it.

## Cautions:

- Do not use this product in the extreme hot, cold, dusty or humid environments.
- Prevent friction with hard objects.
- Avoid the product falling down from a high place, or it may damage the hardware.
- The product is not water proofed. So do not get any liquid into the unit please.
- Do not dismantle, assemble or alter the product arbitrarily.

Product model and standard:

This HD baseT extender can transfer the HDMI signal via CAT-6 cables from HD audio and video products (Blue-ray DVD, PS4, PC, STB) to HDTVs/Projectors. And supports the highest resolution is 4Kx2K (3840x2160); the max transmitting distance is 100M (330 ft);The device also supports RS232 and Lan transmitting, wide band IR ,and support Power over cat5e/6/7.

Enables 10.2Gbps of HDMI 1.4 traffic (including HDCP) and 100Mbps Ethernet in parallel over a single LAN cable according to the following specifications:

Cable Type	Range	Supported Video
CAT5e/CAT6	100 meters	Most common full HD formats: <ul style="list-style-type: none"><li>● Up to 1080,60HZ,36bpp</li><li>● Data rates lower than 5.3Gbps or below 225MHZ TMDs clock</li></ul>
CAT5e/CAT6	70 meters	Ultra HD video formats: <ul style="list-style-type: none"><li>● Deep color: 1080P,60HZ,48bpp</li><li>● 4Kx2K</li><li>● Data rates higher than 5.3Gbps or over 225MHZ TMDs clock</li></ul>
CAT6a/CAT7	100 meters	Ultra HD video formats: <ul style="list-style-type: none"><li>● Deep color: 1080P,60HZ,48bpp</li><li>● 4Kx2K</li><li>● Data rates higher than 5.3Gbps or over 225MHZ TMDs clock</li></ul>

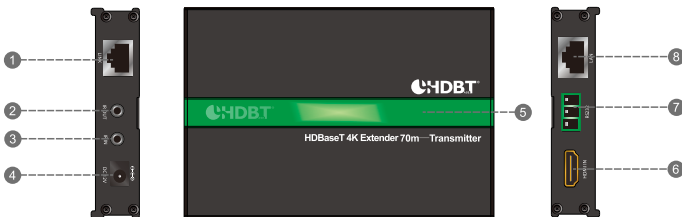
Main features:

- Compliance with HDMI 1.4 and HDCP 2.2 standard
- Support HDBaseT technology
- Support video resolution up to 1920\*1080P@60Hz and 4K\*2K
- Transmitting max distance is 100m when 1080p resolution over CAT6 cable
- Transmitting Max distance is 70M when 4K resolution
- Support POE function, Power over Cat5e/6/7
- Support RS232 signal bidirectional transmission, baud rate self-adaptive
- Support Lan transmitting ,wide band IR
- Built-in ESD protection system
- Simple to install, plug and play

## Parameters:

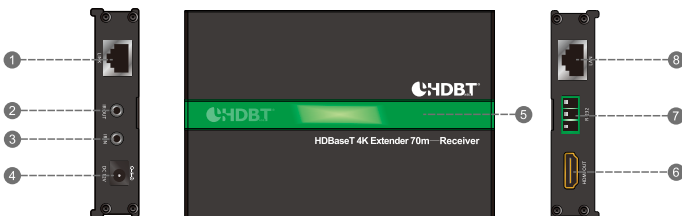
	TX	RX
Interface	HDMI in, LAN, RS232, LINK, DC 12V, IR IN, IR OUT	HDMI out, LAN, RS232, LINK, DC 12V, IR IN, IR OUT
Power	<10W (TX + RX with POE)	<10W (TX + RX with POE)
POE	12V 2A DC adapter, any side of transmitter or receiver	12V 2A DC adapter, any side of transmitter or receiver
Dimension	(L x W x H): 110*68*18mm	(L x W x H): 110*68*18mm
Net weight	212g	212g
Video bandwidth	Maximum TMDS clock frequency 300MHz	Maximum TMDS clock frequency 300MHz
Resolution and distance	3840*2160@60HZ(YCbCr 4:2:0) (70 meters) CAT6	3840*2160@60HZ(YCbCr 4:2:0) (70 meters) CAT6
Indicator	Power- Green, Video link-Blue	Power- Green, Video link-Blue
ESD level	HBM $\pm 4$ kV (Contact Discharge)	HBM $\pm 4$ kV (Contact Discharge)
Temperature range	0 ~ 40°C (operation), -20 ~ 60°C (stock)	0 ~ 40°C (operation), -20 ~ 60°C (stock)
ESD level	HBM $\pm 4$ kV (Contact Discharge)	HBM $\pm 4$ kV (Contact Discharge)
Temperature range	0 ~ 40°C (operation), -20 ~ 60°C (stock)	0 ~ 40°C (operation), -20 ~ 60°C (stock)
Compliance	FCC; CE; RoHS	FCC; CE; RoHS

## Transmitter:



- 1.HDBaseT Output Signal
- 2.IR Output
- 3.IR Input
- 4.Power Input:DC 12V
- 5.LINK LED
- 6.HDMI Input
- 7.RS232
- 8.Ethernet interface

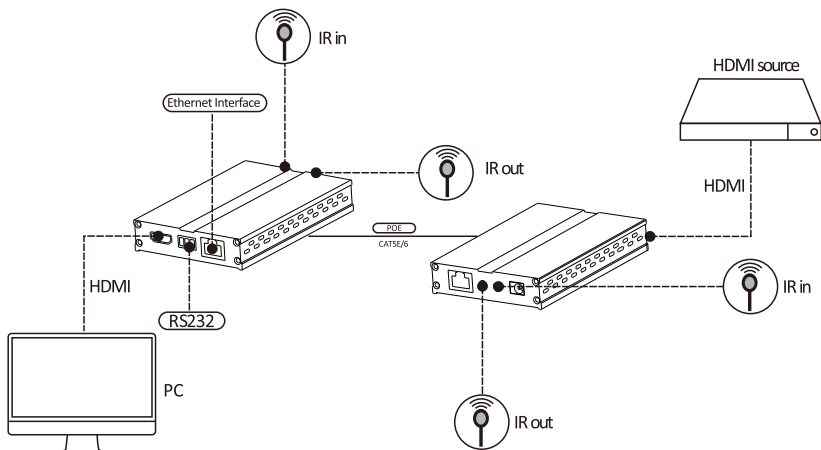
## Receiver:



- 1.HDBaseT input Signal
- 2.IR Output
- 3.IR Input
- 4.Power Input:DC 12V
- 5.LINK LED
- 6.HDMI Output
- 7.RS232
- 8.Ethernet interface

# Installation instructions

## Installation Diagram:



## Installation Details:

1. Connect your HDMI sources and HDMI IN port of transmitter with HDMI cable (HDMI cables are not included in this product).
2. Insert IR blaster cable to extender TX IR OUT port. IR blaster should be close to your player or other controlled equipment. TX IR IN port can be connected an IR receiving cable.
3. Insert CAT5e/6 cable to CAT5e/6 port on Transmitter and Receiver.
4. Connect your HDTV and HDMI OUT port of receiver with HDMI cable (HDMI cables are not included in this product).
5. Insert IR receiving cable to extender RX IR IN port. IR receiver should be face outside for easy operation. RX IR OUT port can be connected another IR blaster cable.
6. Connect power adapter to TX , then RX can get the DC power over UTP cable, or connect power adapter to RX , then TX can get the DC power over UTP cable.

## TX &RX LED Status:

	Transmitter	Receiver
Linking	Blue	Blue
NO Linking	Green	Green

# Packing list

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- 1 unit transmitter, 1 unit receiver
- 1 units of DC 12V 2A adapter
- 2 units of IR Input and IR Output connector