

HDMI + IR EXTENDER USER MANUAL

Default 150m

Introduction:

This HDMI extender extends HD signal up to 200 meters with a CAT 5e/6 cable, and resolution up to 1080P. It not only breaks the limitation of the transmission length of HDMI cable, but also is more convenient and flexible, and saves cost for all customers. The equipment provides solutions for applications such as noise, transmission distance and safety restricted place, date center control, information distribution, conference room presentation and teaching environment and company training venue.

This is a device that transmits HD audio and video over a LAN using standard TCP/IP protocol, it can transmit HDMI HD video of your DVD, player, computer and other devices through CAT 5e/6 cable up to 200 meters, at the same time, it is convenient to transmit HDMI HD audio and video signals by means of point-to-point, point-to-multipoint and cascading.

Technical parameters

Video resolution	480p,720p,1080p
Audio	Sampling Frequency 32KHz, 44.1KHz and 48KHz
Support infrared	38KHz, NEC code
HDCP version	HDCP 1.4
Input power	DC 5V
Cable	Unshielded or shielded Category 5 / Category 6 network cable (UTP/STP Cat5e/6)
Cable transmission distance	HDMI 1080P signal Up to 200 meter via CAT6
Increase the cable length of the routers cascading	CAT5E: ≤120m CAT6: ≤200m
Max power consumption	HDMI Transmitter: 3W HDMI Receiver: 3W
Operating temperature	0°C - 70°C / 10% - 80%RH (Not solidified)
Operating humidity	-10°C - 80°C / 5% - 90% RH (Not solidified)

Note: 1. The factory default is 150 meters
2. Ultra-long mode: long press the reset button on the RX and TX terminals for 5 seconds each, the length can reach 200 meters

Installation Instructions

- 1, Please make sure the HDMI to LAN TX and LAN to HDMI RX before installation.
- 2, Please don't plug or unplug the network cable during working.
- 3, Power supply is DC 5V, please confirm the power parameters before using the power that is not configured by our company.

Technical parameters

- 1, HDMI signal generator with HDMI interface (like computer graphics, DVD, PS3, High-end monitoring equipment, etc.).
- 2, SD or HD TV and projector with HDMI interface.
- 3, Unshielded or shielded Category 5 / Category 6 network cable (UTP/STP Cat5e/6).
- 4, Add routers or use LAN to extend the requirement for cable length between cascading.
 - CAT5E 120 meter
 - CAT6 200 meter

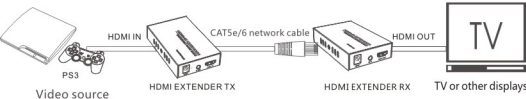
Functional characteristics

- 1, Support HDCP 1.4 downward compatibility
- 2, Support point-to-point, point-to-multipoint and cascading transmissions
- 3, Standard and international 802.3 Ethernet standard
- 4, Support infrared expansion, you can use IR control to control the set-top box or Blu-ray DVD at the receiving station
- 5, Pure hardware design, plug and play, no need extra software.

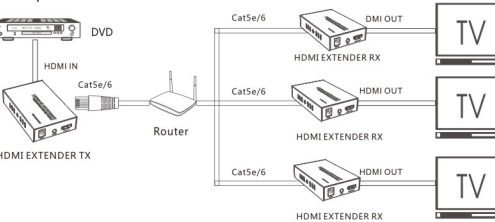
Installation procedure



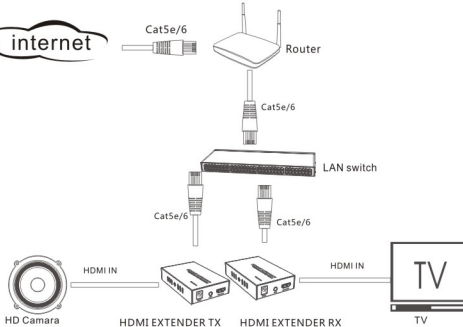
- ① Produce Cat5e/6 network cable, Cat5e/6 support IEEE-568B standard. IEEE-568B sequential standard:
 - 1-Orange white, 2-Orange,
 - 3-Green white, 4-Blue,
 - 5-Blue white, 6-Green,
 - 7-Brown white, 8-Brown.
- ② General connection method, extend 200meters with CAT6 network cable.



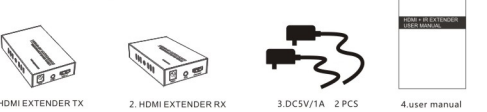
- ③ Increase the connection method of the router, the length of the network cable between the cascading depends on the wire.



- ④ LAN connection method, the length of the network cable between the cascading depends on the wire.



Packaging included



Remark: Press and hold the reset button for 2-3 seconds then release it, the display will show a black screen. At this time, the product is resetting, wait for a few seconds, the yellow light flashes quickly and the product is working.