HDMI2.0 HDBaseT Extender 100m Over One Cat5e/6/7 Cable

Quick Installation Guide
Ver. 1.0

All brand names and trademarks are properties of their respective owners

INTRODUCTION:

This HDMI 2.0 Transmitter and Receiver set can send 4K2K@60Hz(YUV 4:4:4). video and audio over a single Cat.5e/6/7 cable up to 70m, with Ethernet, RS-232 and IR ports. Consequently HDBaseT is positioned to become the leading physical layer Technology for last-leg wired connectivity between HD multimedia stream sources(set-top-boxes, DVDs and PCs) and HD display monitors(Flat-panel LCD or plasma HDTVs).
The integrated 12V POC support provides power to the receiver or transmitter from thetransmitter or receiver , eliminating the need for a separate power supply for the Receiver

FEATURES:

- Supports the HDMI 2.0 specification over a single Cat.6/7 cable up to 70m/328ft
- Fully compliant with HDMI 1.4, and compatible with HDMI 2.0 (4K2K@60Hz with RGB 4:4:4).
- Supports pass-through of HD audio formats: LPCM2/5.1/7.1 CH, Dolby Digital, DTS, Dolby TrueHD, DTS-HD Master Audio and more.
- HDBaseT 5Play™ convergence: High-Definition (HD) Video and Audio, 100BaseT Ethernet, 12V POC, and Control (Bi-directional IR/ RS-232 pass-through)
- HDMI with 3D & 4K@60Hz (YUV 4:2:0) support, DVI 1.0 compatible
- HDCP 2.2 compliant
- Supports pass-through of HD audio formats: LPCM 2.0/5.1/7.1, Bitstream, and HD Bitstream
- Supports optical audio sampling rates up to 48kHz
- Supports external analog and digital audio extension including support for ARC (Audio Return Channel)
- Supports RS-232 baud rates from 110~115200bps

APPLICATIONS:

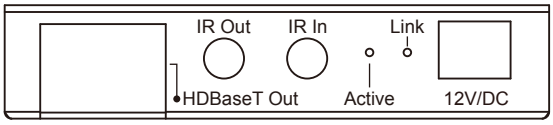
- Blu-ray, DVD players and recorders
- Digital set-top-boxes (STBs)
- A/V receivers
- Game consoles
- PCs
- HDMI repeaters, splitters and switches
- DTVs, LCDs and plasma displays
- Rear and front projectors

SPECIFICATIONS:

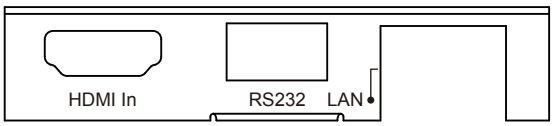
HDMI version	HDMI 2.0
HDCP version	HDCP 2.2
Video Bandwidth	18G
HDMI resolution supported	1920*1080@60Hz 1920*10803D@24Hz 1080P@120Hz 4K2K@30Hz 4K2K@60Hz(4:2:0) 4K2K@50/60Hz(4:4:4)
HDMI connector	Type A ,19 pin, Female
Operation temperaure	0℃～50℃
Relative humidity	0～ 95%(no condensation)
Power Supply	DC 12V 2A

PRODUCT OVERVIEW:

Transmitter:

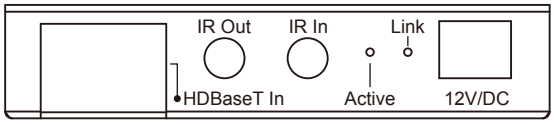


①HDBaseT OUT: Connect to the Receiver unit with a single CAT5e/6/7 cable for transmission of all data signals includes power.
② IR OUT:Connect to the IR Blaster to transmit IR signals to devices within direct line-of-sight of the IR Blaster.
③ IR IN:Connect to the IR Extender to extend the IR control range of remotely located device. Ensure that the remote being used is within direct line-of-sight of the IR Extender.
④ HDBaseT Active LED:This LED will flicker per second when device power on.
⑤ HDBaseT Link LED: This LED will illuminate when HDBaseT link is established between transmitter and receiver.
⑥ DC 12V: Plug the 12V DC power supply into the unit and connect the adaptor to an AC outlet.

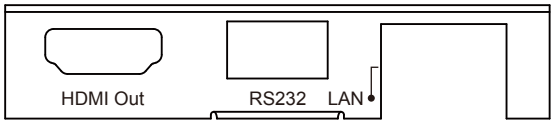


① HDMI IN: Connects to HDMI source equipment such as a DVD or Blu-ray player.
② RS232:Connect to a PC or Laptop via RS232 terminal to D-Sub 9-pin cable for the transmission of RS-232 commands.
③LAN:Connect to an Ethernet supporting device or to your local network as appropriate.

Receiver:



① HDBaseT IN: Connect to the Receiver unit with a single CAT5e/6/7 cable for transmission of all data signals includes power.
② IR OUT:Connect to the IR Blaster to transmit IR signals to devices within direct line-of-sight of the IR Blaster.
③ IR IN:Connect to the IR Extender to extend the IR control range of remotely located device. Ensure that the remote being used is within direct line-of-sight of the IR Extender.
④ HDBaseT Active LED:This LED will flicker per second when device power on.
⑤ HDBaseT Link LED:This LED will illuminate when HDBaseT link is established between transmitter and receiver.
⑥ DC 12V:Plug the 12V DC power supply into the unit and connect the adaptor to an AC outlet.



① HDMI OUT: Connects to HDMI source equipment such as a DVD or Blu-ray player.
② RS232:Connect to a PC or Laptop via RS232 terminal to D-Sub 9-pin cable for the transmission of RS-232 commands.
③LAN:Connect to an Ethernet supporting device or to your local network as appropriate.

IR Cable Pin Assignment:

