USER MANUAL

100M HDMI Extender via single Cat-6
(Support 4Kx2K, HD BaseT ,RS232)

Enjoy the vivid world

Product introduce:

HDMI RS232 CAT-6 Extender 100M is based on standard IEEE802.1Q Ethernet , transfer the HDMI signal via CAT-6 cable from the HD Audio & Video products (Blue-ray DVD ,PS3,PC, STB) to HDTV/Projector ;Support the highest resolution 4Kx2K (3840x2160)；the max transmitting distance is100M; support HD BaseT, RS232 and Lan transmitting at the same .
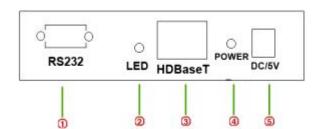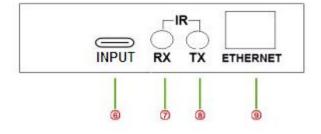
Specification:

- Support HDMI 1.4 Version , HDCP 1.4
- Support 3D
- Support the highest resolution : 3840x2160/30Hz,(1080P/60Hz,1080i,720p..)
- Support the Max transmitter distance:
  1) When input 1080P ,the max distance is 100M
  2) When input 4Kx2K ,the max distance is 70M
- Support voice rate :44.1KHz ,48KHz
- Based on IEEE 802.1Q Ethernet Standard
- Support bidirectional IR control , control the input resources devices and output displayer
- Support RS232 sources
- Power adaptor: DC5V/2A
- Power ：HDMI Transmitter: 3.5W   HDMI Receiver: 5W
- Net Weight：360gX 2PCS
- Dimension(LxWxH) : 107mmx107mmx28mm

Physical Connection Showing Picture

HDMI Transmitter (TX)：

①：RS232：　　　RS232 port
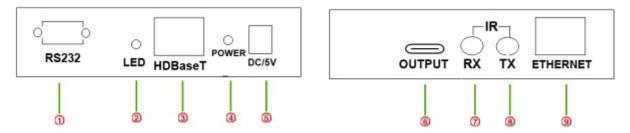②：LED　　　　　HD-BaseT works well ,LED is blue
③：HD-BaseT　　HD-BaseT input
④：Power　　　　Power LED indicator
⑤：DC 5V　　　　5V/2A power in
⑥：Input　　　　　HDMI input
⑦：IR-RX　　　　　IR Receiver output
⑧：IR-TX　　　　　IR transmitter input
⑨：Ethernet　　　Ethernet port

HDMI Receiver (RX)

①：RS232　　　　　RS232 sources port
②：LED　　　　　　HD-BaseT works well ,LED is blue
③：HD-BaseT　　　HD-BaseT output
④：Power　　　　　Power LED indicator
⑤：DC 5V　　　　　5V/2A power out
⑥：Output　　　　　HDMI output
⑦：IR-RX　　　　　　IR Receiver output
⑧：IR-TX　　　　　　IR transmitter input
⑨：Ethernet　　　　Ethernet port

Pls note:

1）RS232 port supports the RS232 Sources/devices
You simply connect the HDMI Extender transmitter to RS-232 source via cable.
Your RS232 device plug into the HDMI RS232 Extender's receiver unit. so the
RS232 source can control the RS232 device

2）Match rules about the IR-RX and IR-TX　　：
HDMI transmitter's　IR-RX should match to HDMI Receiver's IR-TX
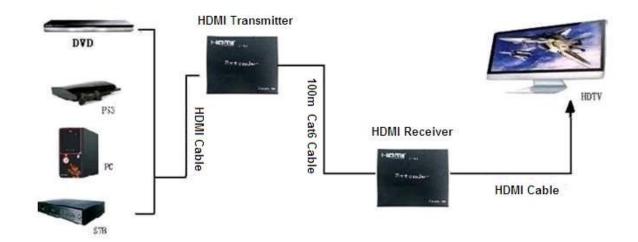HDMI transmitter's　IR-TX should match to HDMI receiver's IR-RX

The Package includes:
*   1x HDMI Transmitter
*   1x HDMI receiver
*   2x 5V/2A power supply
*   2x IR-TX cable
*   2x IR-RX cable
*   1x User Manual

Installation Guide
1, Connect the HDMI source device and HDMI Transmitter with HDMI cable

2, Connect the HDMI receiver and the HDTV with HDMI cable

3, Connect HDMI receiver to HDMI Transmitter's HD BaseT port with Cat 6 cable, which's Max distance is 100 Metres

4, bi-directional IR control function: Connect the IR receiver into the HDMI transmitter ,then Connect the IR transmitter into the HDMI receiver , make sure the IR transmitter aim at the controled device's IR receiver

5, Connect power adapter to the device ,the power LED appears Red

   When HDMI transmitter connect well to the HDMI receiver with the CAT6 cable, the LED appears blue , it means the Extender work well
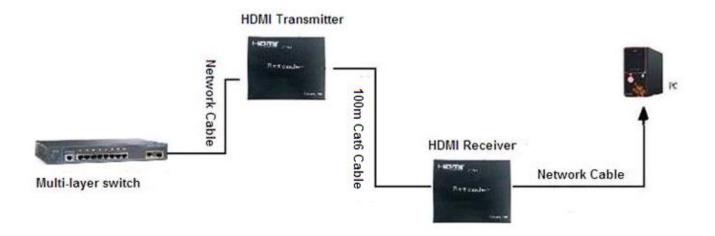
Application diagram
Application 1：

Pls Note:

When the HDMI extender support 1080P , the Cat 6 cable's max distance is 100M

When the HDMI extender support 4Kx2K ,the Cat 6 cable's max distance is 70M

Application 2：

Note : Ethernet transmitting can be bi-directional.