

**HDMI EXTENDER**  
**OVER ONE CAT5E/CAT6 (TCP/IP)**

**User manual**

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

## ■ Introduction

The HDMI Extender over ONE CAT 5E/6 is a tool for extending your HDMI signal over long distances to a compatible display. Instead of using expensive HDMI cables, your existing CAT 5E/6 cables/sockets can be utilized to perform advanced functions like transferring Deep Color (12 bits/color) video and digital audio, with a bandwidth up to 225MHz. The HDMI Transmitter and Receiver, over ONE CAT 5E/6 extender is your substantial HDMI extender tool. The HDMI Extender also support IR re-transmitting, so you can control the Source which is 100 meters outside using the HDMI Extender.

## ■ Features

1. DC 5V~12V wide power supply.
2. HDMI 1.3, HDCP 1.1 and DVI1.1 compliant.

3. Support Deep Color up to 12 bits/color.
4. Support IR re-transmitting.
5. Uses one CAT5E/6 cable for data/DDC transmission.
6. Equalizes and recovers incoming TMDS data before re-transmitting it in optimal quality regardless of the incoming signal quality.
7. Cable testing showed that with 1080p resolution the HDMI input source can be 20meters away.
8. When transmitting a signal in 1080p resolution the CAT6 operating distance is 100 meters.

■ **Package**

1. HDMI Extender Transmitter ----- 1PCS
2. HDMI Extender Receiver ----- 1PCS
3. IR Transmitter ----- 1PCS
4. IR Receiver ----- 1PCS
5. 5V DC Power Supply adaptor ----- 2PCS

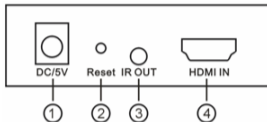
■ **Specifications**

Frequency Bandwidth	2.25Gbps (single link)
HDMI Transmitter Input/ Output Ports	1x HDMI Female port/1 x CAT6
HDMI Receiver Input/ Output Ports	1 x HDMI Female port/1 x CAT6
Power Supply	DC 5V~12V
ESD Protection Human Body Model:	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Dimensions (mm)	65(W) X 100 (D) X 25 (H)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

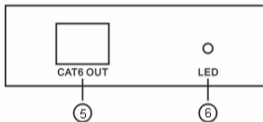
■ **Operation controls and Functions**

## 1. HDMI Extender Transmitter

### Front Panel



### Rear Panel



1. Power: Plug the 5V~12VDC power supply into the unit and connect the adaptor to AC wall outlet.
2. RESET: Factory reset button. When the Receiver system functions have been changed, Pressing this button for 10seconds can realize factory reset.
3. IR OUT: Remote control signal transmit, connect the IR transmit cable with HDMI Extender Transmitter. The IR transmit cable face to the IR receiver of the Source.
4. HDMI: HDMI Input port.
5. CAT6 OUT: Connect the CAT 5E/6 output of the Transmitter with the CAT 5E/6 input of the HDMI

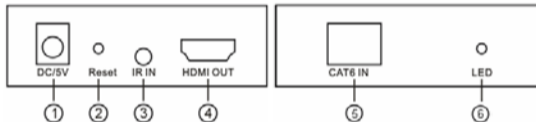
over single CAT6 receiver.

6. LED indicator: When the DC power on, the indicator will be light.

## 2. HDMI Extender Receiver

### Front Panel

### Rear Panel

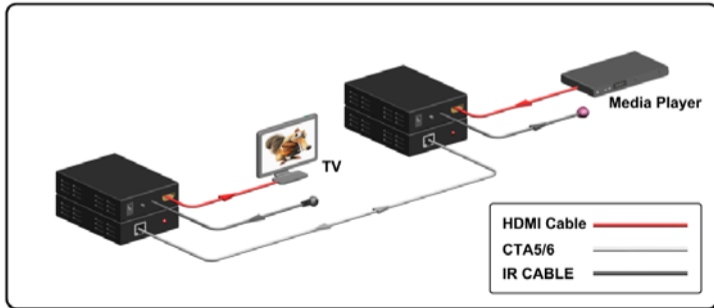


1. Power: Plug the 5V~12VDC power supply into the unit and connect the adaptor to AC wall outlet.
2. RESET: Factory reset button. When the Receiver system functions have been changed, Pressing this Button for 10seconds can realize factory reset.
3. IR IN: Remote control signal Receive, connect the IR receive cable with HDMI Extender Receiver.
4. HDMI Out: HDMI output port.

5. CAT6 IN: Connect the CAT6 in of the receiver with the CAT6 input of the HDMI over single CAT6 transmitter.
6. LED indicator: When the DC power on, the indicator will be light.

### ■ Application Example

#### 1. Transmitter and Receiver one by one application.



2. Transmitter and Receiver one by N application, N can up to 253.

