

60M HDMI Extender Over Cat6/7

User Manual



1. PRODUCT DESCRIPTION

This HDMI Extender includes a transmitter unit (TX) and a receiver unit (RX), working as a pair. It allows for transmission and extension uncompressed full HD 1080p@60Hz HDMI signal via CAT6/6A/7 network cable, the transmission distance is up to 60 meters with zero latency. At the same time, the signal is stable, and the built-in EDID greatly improves the compatibility of the device. It is with an EQ button for helping to adjust a needed Monitor or distance, also it supports PoC to power the receiver (Connect power supply to the transmitter unit only, each unit will power up, as the Receiver unit is powered by the Transmitter unit through network cable). This product is perfect for AV transmission in applications of HD conference system, HD video shooting, HD multimedia education system, HD digital advertising and signage etc.

The device has a long transmission distance, low use cost, convenient installation and good compatibility, and it is a stable and efficient transmission method.

2. ADVANTAGE

- Uncompressed and zero latency
- Auto adjustment to match the cable length
- The highest resolutions supported is up to 1080P@60Hz
- Extend HDMI signal over single UTP CAT6/6a/7 cable up to 60m
- Support EDID pass-through for smart match between the source device and display device
- Only one power adapter is needed for the TX, the RX can be powered by the TX over network cable

3. MAIN FEATURES



Uncompressed 1080P@60Hz



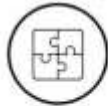
Support 3D



60M Distance



Built-in ESD protection



Strong compatibility
& automatic recognition



HDCP 1.3 ; HDMI 1.3



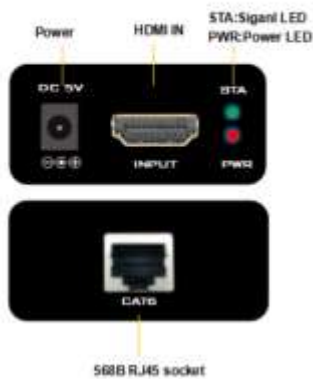
Smoothing & Zero delay Pictures



Plug and Play

4. CONNECTOR DETAIL

Sender



Receiver



5. INSTALLATION STEPS

1. Connect the HDMI signal source to the INPUT interface of the sender.
2. Connect the HDMI extender receiver OUTPUT to the display device.
3. Use a Cat6 network cable to connect the RJ45 port between the sender and the receiver.
4. Connect the power adapter only into the sender . When the indicator light is normally on, the system runs normally.
5. After the above installation was completed, you should to press the EQ button if no image . By the way ,you should to press the button after changing the display and adjusting the length of the cable.

6.SPECIFICATION

Parameter		Description
Video	Standards	HDMI 1.3; HDCP 1.3
	Maximum pixel clock	165MHz Digital
	Maximum data rate	6.75Gbps
	Resolution	3D:1080p@60Hz; 1080i@50/60Hz, 720p@50/60Hz, 576i@50Hz, 576p@50Hz, 480i@60Hz, 480p@60Hz,
HDMI	Impedance	100 Ω
	Connector	HDMI-A
	HDMI cable	Less than 5m at 1080p@60hz
RJ45	Interface	RJ45
	Transmission distance	CAT6/7--- 60m at 1080p@60hz
	Network cable	Low resistance and consumption oxygen-free copper core (CAT6、CAT6A、CAT7) -UTP
Other	Power supply	The power adapter: DC 5V/1A
	Power dissipation	MAX 3W
	Temperature	Operating: -5℃ ~ +70℃
	Humidity	Operating: 5% ~ 90%
	Dimension	79*43*23mm
	The warranty	1 year free warranty

7.PACKING LIST

- HDMI extender transmitter x 1
- HDMI extender receiver x 1
- Power adanpter x 1

8. USING DIAGRAM



9. FAQ

1, No image and no video show in TV monitor ?

A : Please check the 5V1A power adapter only connector the Sender ;

Check the STA and PWR LED lighting ;

Check your cables is UTP Cat6;

Check the Network cable head is **568B** series ;

Press the EQ button;

Don't roll the UTP Cat6 ,stretch out .

2, Could use Cat5e ?

A: Sure . Use the UTP Cat5e distance up to 40-50meters .

3, Why the product was burned ?

A: It only support the 5V/1A power adapter ,if you input 12V adapter will burned ;

Should use the correct network cable head ,it is 568B , because the receiver is PoE function, if the the Ethernet cable series is not 568B, will causing a short circuit

4. About the Ethernet cable(cat5e, cat6, cat7)

First it's must UTP ; The cable is cat5e, then the Crystal head is for cat5e; the cable is cat 6 ,then the head should for cat6.