

EX601HK

60M HDMI KVM Extender Over Cat6/7

User Manual



1. PRODUCT

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. Support Keyboard and mouse control .At the same time, the signal is stable, and the EDID button greatly improves the compatibility of the device. also It supports PoC to power the receiver (Connect power supply to the transmitter unit only, each unit willpower 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
- Support keyboard and mouse control
- The highest resolutions supported is up to 1080P@60Hz
- Extend HDMI signal over single UTP CAT6/6a/7 cable up to 60m
- Support EDID copy function for 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



1080P@60Hz



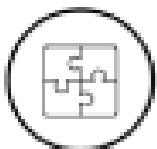
Support 3D



60M



POC Function



EDID Copy



HDCP 1.2: HDMI1.3



smooth playback



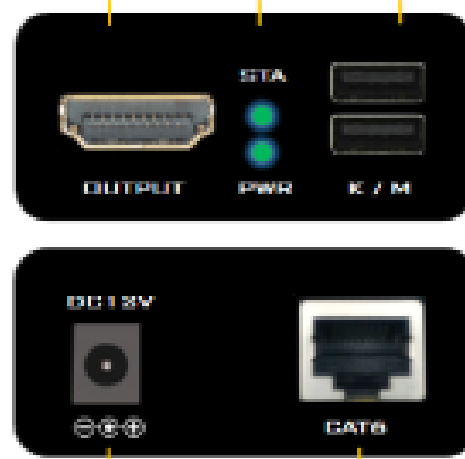
| Keyboard and mouse

4. Pannel

TX



RX



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.

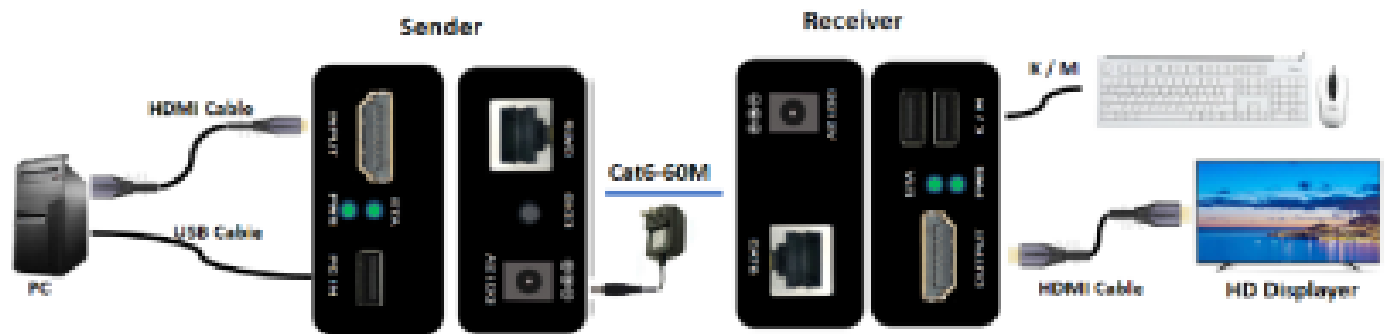
6.SPECIFICATI

Parameter		Description
Video	Standards	HDMI 1.3; HDCP 1.2
	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	100Ω
	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
USB	KVM	USB-A
	USB	USB HID
Other	Power supply	The power adapter: DC 5V/1A
	Power dissipation	MAX 3W
	Temperature	Operating: -5°C ~ +70°C
	Humidity	Operating: 5% ~ 90%
	Dimension	79*43*23mm
	The warranty	1 year free warranty

7.PACKING

- HDMI extender transmitter x 1
- HDMI extender receiver x 1
- Power adapter x 1
- Instruction manual x 1
- USB cable 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 when flash or no image

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 cat6 ,then the head should for cat6.