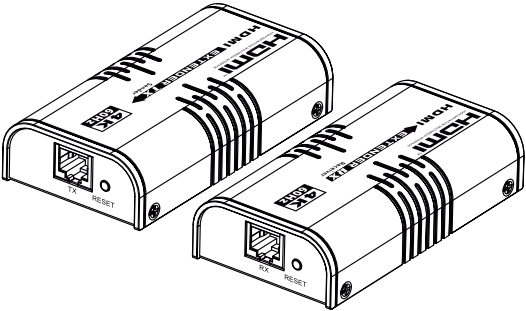


User manual

4K@60Hz HDMI EXTENDER



The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Important Safety instructions:

- 1. Do not mix up the HDMI EXTENDER sender and HDMI EXTENDER receiver.
- 2. Do not plug-in/out the cables ,when it is in using.
- 3. Use DC 5V power supply only. Make sure the specification matched if using 3rd party DC adapters.

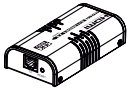
• Introduction

This product is a 4K@60Hz HDMI extender kit consisting of a Sender and a receiver. The 4K@60Hz HDMI signal can be extended up to 120m via Category 6 and above network cables, supporting one-to-one connection, one-to-many connections via gigabit switch, or switch cascades. and can be widely used in meetings, home entertainment, educational presentations, and other fields.

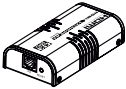
• Features

- 1. High-definition and low-latency transmission.
- 2. Support up to 4096 x 2160@60Hz resolution, backward compatible.
- 3. Compatible with Cat5/5e/6 or above network cables, transmission distance of Cat6 cable is 120 meters.
- 4. Support one-to-one or one-to-many connections through the gigabit switch.
- 5. Lightning protection, surge protection, ESD protection.
- 6. Supports stable 24/7 operation.

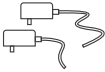
• Package Contents



HDMI EXTENDER sender TX ×1pcs



HDMI EXTENDER receiver Rx ×1pcs



DC5V/1A ×2pcs



User Manual ×1pcs

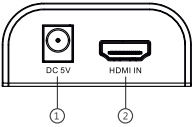
Note : above accessory contents is regular package for a kit. If buy HDMI extender TX or HDMI extender RX separately, the package contents would be different.

• Installation Requirements

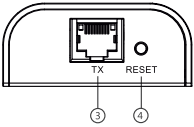
- 1. HDMI source device(computer graphics card, DVD,PS3, HD monitoring equipment etc).
- 2. HDMI display device like SDTV, HDTV, projector with HDMI port.
- 3. Network cables : UTP/STP Cat5e/6 network cables, which following the standard of IEEE-568B.

• Panel Description

1. HDMI EXTENDER TX (Sender)

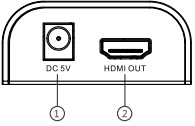


- ① Power input (DC5V)
- ② HDMI signal input

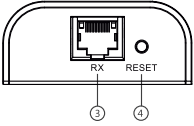


- ③ RJ45 signal output
- ④ Reset

2. HDMI EXTENDER RX(Receiver)



- ① Power input (DC5V)
- ② HDMI signal output



- ③ RJ45 signal input
- ④ Reset

• Installation Procedures

1. How to make a Cat5e/6 network cable

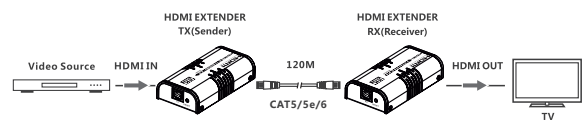
Follow the standard of IEEE-568B:

- | | | |
|----------------|--------------|---------------|
| 1-Orange/white | 4-Blue | 7-Brown/white |
| 2-Orange | 5-Blue/white | 8-Brown |
| 3-Green/white | 6-Green | |

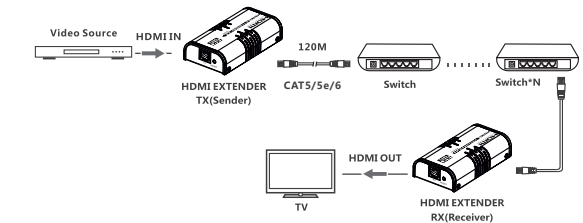


2. Connections

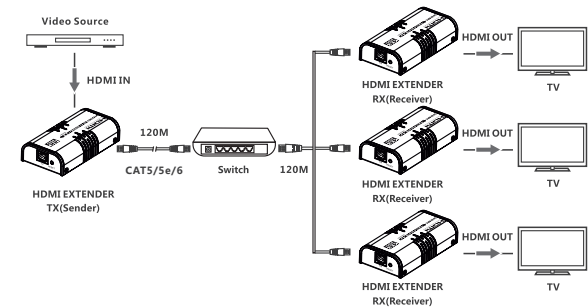
2.1 Point to Point connection: Up to 120 meters transmission distance over single CAT6 .



2.2 LAN Switch Cascade Connection: By using the LAN switch/router to realize unlimited extension.



2.3 One-to-many Connection: By using network router/switch , one sender to several receivers, realize extender & splitter function.



Note: It is recommended that Gigabit Ethernet switches (1000Mbps) be used in LAN.

• FAQ

- Q** : TV display “Waiting for connection ...” ?
A : Please check if the power supply of TX (Sender) and switches (if used) is connected, and make sure connecting cable is firmly.
- Q** : TV display “Please check the TX input signal” ?
A : 1) please check if there is a HDMI signal input of TX.
2) Try to connect the signal source directly to display device to see if there is singal output from source device or change the signal source HDMI cable and try again.
- Q** : Display not fluent, not stable?
A : 1) Please check the cable length between the TX to switch, the switch to the RX and the connection between each level is within the required range.
2) Click the"reset"button on the TX/RX front panel, reset and reconnect.

• Specification

Item	Sender	Receiver
Video		
Input interface	1x HDMI	1x RJ45
Output interface	1x RJ45	1x HDMI
HDMI length	≤ 5m	≤ 5m
Maximum transfer rate	18Gbps	
Compatibility	HDMI 2.0	
	HDCP 1.4/HDCP 2.2	
Resolutions	4096x2160@24/30/50/60Hz, 3840x2160@24/30/50/60Hz, 1080P@24/25/30/50/60Hz, 720P@50/60Hz, 576P@60Hz, 480P@60Hz, 1920x1200, 1680x1050, 1600x900, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600	
Connection types	One-to-one connection One-to-many connection Switch cascading	
Transmission distance	CAT5 80m / CAT5E 100m / CAT6 120m	
Transmission latency	1080P: 80~130ms 4K@60Hz: 150~220ms	
Audio signal		
Input interface	1×HDMI	1×RJ45
Output interface	1×RJ45	1×HDMI
HDMI output	LPCM 2.0	
Power		
Power Supply	DC 5V/1A	DC 5V/1A
Power Consumption	TX ≤ 3.5W	RX ≤ 3W
Operating Environment		
Working temperature	- 20℃~60℃	

Storage temperature	- 30℃~70℃	
Humidity	0~90%RH (no condensation)	
Physical Properties		
Housing	Aluminium(Top cover); Iron(Bottom cover)	
Weight	160g	160g
Color	Black	
Dimensions	110.0(L)*58.0(W)*26.0(H)mm	
Protection	ESD protection 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2	
	Lightning protection, Surge protection	

Disclaimer

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