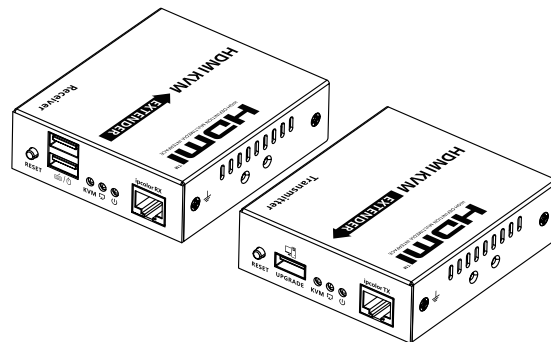


HDMI KVM EXTENDER



Disclaimer

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HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

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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 1080P HDMI KVM extender kit consisting of a sender and a receiver. The 1080P HDMI signal can be extended up to 120m via Cat 6 and above network cables, supporting one-to-one connection, one-to-many connections via 100Mbps switch, or switch cascades. It also supports KVM function, 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 1920x1200@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 100Mbps switch.
5. Support KVM control signal passback.
6. Firmware can be upgraded through Micro USB.

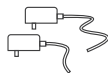
• Package Contents



HDMI EXTENDER
sender TX ×1pcs



HDMI EXTENDER
receiver Rx ×1pcs



DC5V/1A ×2pcs



User Manual ×1pcs



USB Cable ×1pcs



Mounting ear ×4pcs



Screw ×10pcs



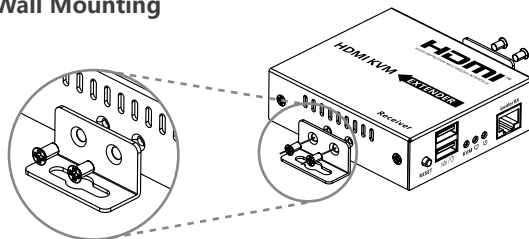
Grounding
Screw ×2pcs

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

Item	Description	Requirement
Signal source device	PC, DVD, NVR, etc. with HDMI port	HDMI cable ≤ 5m
Cable	Cat5/5e/6 or above, following standard IEEE-568B	Cat6/6A/7 ≤ 120m
Display device	TV, projector, LED screen, etc. with HDMI port	HDMI cable ≤ 5m
Network switch	One-to-many or switch cascade	100Mbps switch

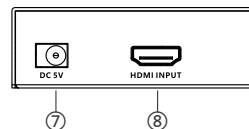
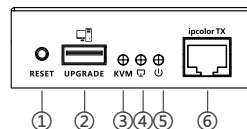
• Wall Mounting



Install the mounting ears on the unit according to the diagram, and select the wall mounting position to fix it.

• Panel Description

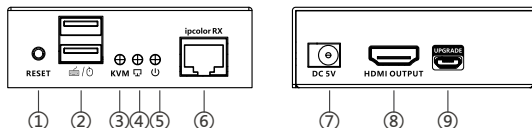
1. HDMI EXTENDER TX (Sender)



①	Reset button	Restart the device
②	USB port	1) Connect to the computer with USB cable 2) Used for firmware upgrading(Combine with the reset button)
③	KVM indicator	1) Light flashing: The KVM data is transmitting 2) Steady on: The computer and the USB port are connected
④	Network link light	1) Light off: No Network connection 2) Steady on: Network connection is normal

⑤	Power light	1) Steady on: When the product is powered on, there is no HDMI data transmission 2) Flash: The HDMI data is transmitting
⑥	RJ45 signal output	Connect with the network cable
⑦	Power input	Connect with DC5V/1A power adapter
⑧	HDMI input	Connect with the source device

2. HDMI EXTENDER RX(Receiver)



①	Reset button	Restart the device
②	USB port	Connect with keyboard and mouse
③	KVM indicator	1) Light flashing: The KVM data is transmitting 2) Steady on: mouse and the keyboard are connected
④	Network link light	1) Light off: No Network connection 2) Steady on: Network connection is normal
⑤	Power light	1) Steady on: When the product is powered on, there is no HDMI data transmission 2) Flash: The HDMI data is transmitting
⑥	RJ45 signal input	Connect with the network cable
⑦	Power input	Connect with DC5V/1A power adapter
⑧	HDMI output	Connect with HDMI display device
⑨	Micro USB port	Used for firmware upgrading

• Installation Procedures

1. How to make a Cat5e/6 network cable

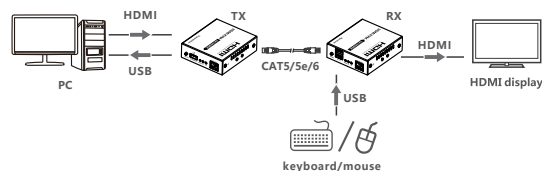
Follow the standard of IEEE-568B:

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

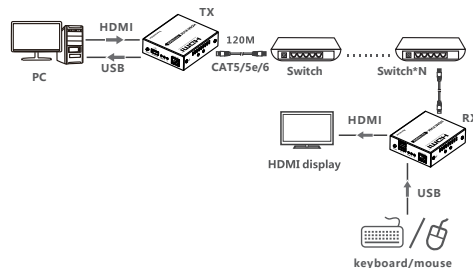


2. Connections

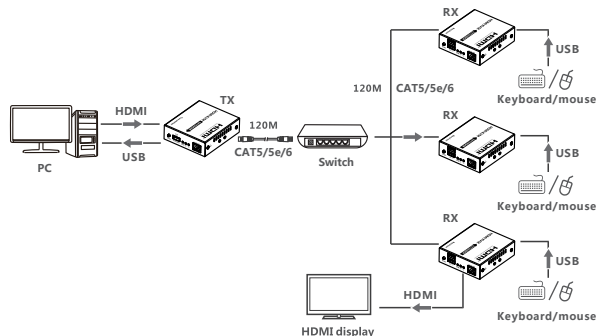
2.1 Point to Point connection.



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.



3. Connection Instructions

- 1) Connect the source device to the HDMI IN port of the sender with an HDMI cable, and connect the HDMI OUT port of the receiver to the display device with another HDMI cable.
- 2) If it's a one -to -one connection, use a network cable to connect the RJ45 port of the sender and receiver. If it is a one -to -many connection, use the 100Mbps switch as a bridge to connect the sender and the receivers with the network cable respectively.
- 3) If using the KVM function, connect the keyboard/mouse to the USB port of the receiver and connect the computer to the USB port of the sender via the USB cable
- 4) Plug the power supply into the devices to get started.

• 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 signal 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	4.96Gbps	
Compatibility	HDMI 1.3	
	HDCP 1.4	
Resolutions	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	70~130ms	
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 ≤ 2W	RX ≤ 3W
Operating Environment		
Working temperature	- 20℃~60℃	
Storage temperature	- 30℃~70℃	
Humidity	0~90%RH (no condensation)	
Physical Properties		
Housing	Iron	
Weight	166g	170g
Color	Black	
Dimensions	85.0(L)×76.0(w)×25.0(H)mm	