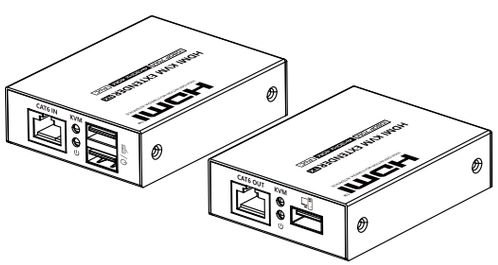
User Manual

KVM EXTENDER



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• Important Safety Notice

1. Do not disassemble the device to repair during the working process to avoid electric shock.
2. Please cut off the power before installation. Live installation may damage the equipment.
3. Do not expose the devices to rain, moisture and liquid.
4. Use a 5V/2A DC adapter only. Make sure the specification matched if using 3rd party DC adapters.

• Introduction

This HDMI KVM Extender includes a transmitter and a receiver, allows the HDMI signal to be transmitted up to 70 meters at 1080p resolution using a Cat6/6A/7 network cable. It adopts a point-to-point connection configuration, supports KVM. It is perfect for outdoor advertising, monitor system, home entertainment, conference, etc.

• Features

1. Zero latency.
2. Support up to 4K@30Hz resolution.
3. Support CAT6/6A/7 network cables, 1080p@60Hz transmission distance is up to 70meters, 4K@30Hz transmission distance is up to 40 meters.
4. Support KVM function.
5. Support HDR10.
6. Support PoC network cable power supply, only TX power supply is needed.
7. Automatically adjusts parameters to match different network cables and achieve the best display performance.
8. Plug and play.

• Package Contents



Transmitter
x1pc



Receiver
x1pc



5V/2A
x1pc



User manual
x1pc



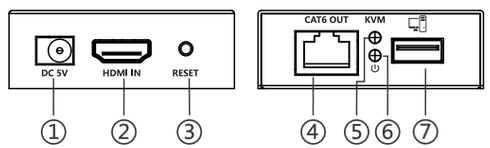
USB Cable
x1pc

• Installation Requirements

1. HDMI source device (DVD, game console, set top box, PC, etc.)
2. HDMI display device like TV, projector with HDMI port.
3. UTP/STP Cat6/6A/7 cable, follow standard IEEE-568B.

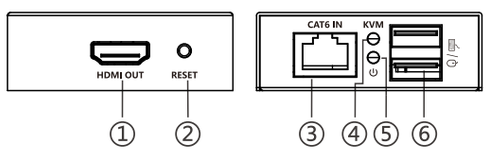
• Interfaces

1. Transmitter (TX)



①	DC 5V	Connect with 5V/2A power adapter
②	HDMI Input	Connect with HDMI source device
③	Reset Button	Press the button to restart the device
④	RJ45 Output	Connect with CAT6/6A/7 network cable
⑤	KVM Indicator	a) Light off: the USB port and the computer have not established a connection b) Steady on: the USB port is connected to the computer, but no KVM data is transmitted c) Light flash: the KVM data is transmitting
⑥	Power Indicator	a) Light flash: it is powered on, but no video data is transmitted b) Steady on: the video data is transmitting
⑦	USB-A Port	Connect to the computer with USB cable

2. Receiver (RX)



①	HDMI Output	Connect with HDMI display device
②	Reset Button	Press the button to restart the device
③	RJ45 Input	Connect with CAT6/6A/7 network cable
④	KVM Indicator	a) Light off: the USB port and the computer have not established a connection b) Steady on: the USB port is connected to the computer, but no KVM data is transmitted c) Light flash: the KVM data is transmitting
⑤	Power Indicator	a) Light flash: it is powered on, but no video data is transmitted b) Steady on: the video data is transmitting
⑥	USB-A Port	Connect to the mouse and keyboard

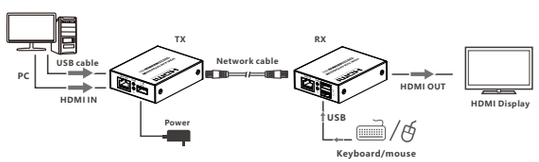
• Installation Procedures

1. The network cable should follow the standard of IEEE-568B. It is recommended to select a network cable with less loss and crosstalk.

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



2. Connection



3. Connection instruction

1) Connect the HDMI port of the source device to the HDMI IN port of the transmitter via an HDMI cable.
2) Connect the CAT6 OUT port of the transmitter and the CAT6 IN port of the receiver via a network cable.
3) Connect the HDMI port of the display device to the HDMI OUT port of the receiver via an HDMI cable.
4) Use the USB cable to connect the computer to the transmitter, and connect the mouse and keyboard to the USB port of the receiver.
5) Plug the power into the devices to get started.

• FAQ

Q: Why there is no image/image or sound is not played smoothly?
A: 1) Press the "RESET" button of the receiver to restart the device.
2) Reconnect the devices with a shorter network cable.
Q: Why does the power indicator always flashes?
A: 1) Check whether the network cable is uses IEEE-568B wiring standards.
2) Check whether the source device and the transmitter are connected well.
3) Reset the transmitter or receiver and connect it again.
Q: Why does the receiver's power indicator stays on but there is no image output?
A: 1) Press the "RESET" button of the receiver to restart the device.
2) Check whether the display device and the receiver are connected well.
3) Reconnect the network cable or re-power the receiver.

• Specification

Items		Specification
Power Supply	Voltage/Current	DC5V/2A (only TX power supply is needed)
	Power consumption	TX+RX < 10W
HDMI Performance and Interface	HDMI compliance	HDMI 1.4
	HDCP compliance	HDCP 1.4

HDMI Performance and Interface	HDMI resolution	800x600, 1024x768, 1280x720, 1280x960, 1366x768, 1440x900, 1680x1050, 1920x1080, 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@24/25/30/50/60Hz, 3840x2160@24/25/30Hz
	Audio formats	DTS, DTS-HD, PCM, LPCM
	HDR	Supported
	Input and output TMDS signal	0.7~1.2Vp-p(TMDS)
	Input and output DDC signal	5Vp-p(TTL)
Transmission Distance	Cat6/6A/7	1080p@60Hz transmission 70 meters 4K@30Hz transmission 40 meters
Protection Level	ESD	Implementation of the standard: IEC61000-4-2 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV)
Operating Environment	Working temperature	-20~60℃
	Storage temperature	-30~70℃
	Humidity (no condensation)	0~90%RH
Body Properties	Dimension	75.0(L) x 60.0(W) x 20(H) mm
	Weight	Tx: 123g RX: 123g
	Color	Black

Disclaimer

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