

Thank you for purchasing this product. For optimum performance and safety, please read the instructions carefully and keep the manual for future reference.

• **IMPORTANT SAFETY NOTICE**

Please read below safety instructions carefully before installation and operation:

- 1. Do not hot plug when it is working.
- 2. Do not mix up the transmitter unit (TX) and the receiver unit (RX) , IR blaster extension cable and IR receiver extension cable before installation.
- 3. Use DC5V/2A power supply only. Make sure specification matched if using adapters not supplied by factory.

• **INTRODUCTION**

This HDMI Extender is a solution for transmission and extension uncompressed full HD 1080p@60Hz HDMI signal over a signal CAT6 network cable. It includes a transmitter unit (TX) and a receiver unit(RX), working as a pair. Long transmission distance is up to 60 meters with zero latency. This KVM Extender can remote control the source device from the receiver side via keyboard and mouse. 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.

• **FEATURE**

- 1. Plug and play, without installation.
- 2. Transmission distance up to 60m via CAT6 cable
- 3. Support KVM function, remote control conveniently

- 4. Uncompressed and zero latency.
- 5. Transmitter supports one HDMI loop-out.
- 6. Support resolution is up to full HD 1080p@60Hz.
- 7. Can be powered by network cable. It only needs to connect the 5V power on the transmitter unit, both transmitter and receiver start work.

• **PACKAGE CONTENTS**



Transmitter unit (TX) ×1pcs



Receiver unit (RX) ×1pcs



User manual×1pcs



USB Cable x 1pcs



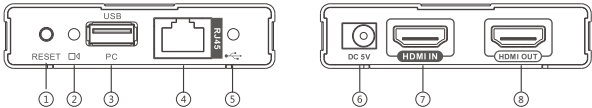
Power supply×1pcs

• **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.

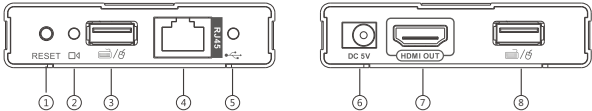
• **PENAL DESCRIPTION**

1. Transmitter unit(TX)



① Reset button	Restart the unit
② Video link indicator	LED turns on all the time with HDMI signal transmission, flashes with no signal
③ USB port	Connect with computer/ PC
④ RJ45 signal output	Connect with network cable
⑤ USB link indicator	LED indicator keeps on and Fast flashing are connected
⑥ Power input	Connect with DC5V2A power adapter
⑦ HDMI singnal input	Connect with source device
⑧ HDMI output	Connect with HDMI display device

2.Receiver unit (RX)



① Reset button	Restart the unit
② Video link indicator	LED turns on all the time with HDMI signal transmission, flashes with no signal
③ USBport	Connect with keyboard and mouse
④ RJ45 signal output	Connect with network cable
⑤ USB link indicator	LED indicator keeps on and Fast flashing are connected
⑥ Power input	Connect with DC5V2A power adapter(optional)
⑦ HDMI output	Connect with HDMI display device
⑧ USB port	Connect with keyboard and mouse

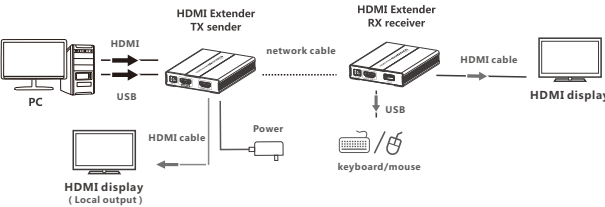
• **INSTALLATION AND CONNECTION**

- 1. How to make a CAT6 network cable Follow the standard of IEEE-568B:



- 1. white and orange; 2. orange; 3. white and green;
- 4. blue; 5. white and blue; 6. green;
- 7. white and brown; 8. brown.

- 2. Connection



- 3. Connection instruction

- 1) Connect HDMI input with source device.
- 2) Connect HDMI output with display device.
- 3) If using the HDMI loop-output, connect the HDMI display devices to the HDMI output port on the transmitter via HDMI cables.
- 4) Plug the power supply into the unit (Power led illuminates) and it works.

• **FAQ**

Q: No image output?

A: 1) Check and make sure all cables are connected well;
2) Restart the TX/RX by “RESET” button.

- Q:** RX" USB link indicator " indicator is flashing all the time?
- A:** 1) Make sure network cable connection follows the standard of IEEE568B;
2) Chech whether transmitter has HDMI signal input;
3) Reset transmitter and receiver and reconnect.
- Q:** Receiver "USB link indicator" led lights on all the time but no image output?
- A:** 1) Make sure the monitor supports the current HDMI signal mode;
2) Make sure HDMI cable is well connected with TV;
3) Make sure the network cable is fine copper wires.

• SPECIFICATION

Items		Specification
Power Supply	Voltage/Current	DC5V/2A
	Power consumption	TX: 2W RX: < 2W
HDMI Performance And Interface	HDMI compliance	HDMI1.3
	HDCP compliance	HDCP1.4
	HDMI resolution	720x576@50Hz, 720x480@60Hz, 1280x720@60Hz, 1920x1080@60Hz, 640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1440x900@60Hz, 1680x1050@60Hz
	Maximum transfer rate	10.2Gbps
	Input and output TMDS signal	0.5~1.5Vp-p(TMDS)
	Input and output DDC signal	5Vp-p(TTL)
	Input cable length	≤8m(AWG24)
	Output cable length	≤8m(AWG24)
	transmission length	60m

Protection Level	Electrostatic protection of the whole machine	1a contact discharge level 3, 1b air discharge level 3, implementation of the standard: IEC61000-4-2
Operating Environment	Working temperature	0 ~ 60°C
	Storage temperature	-10 ~ 70°C
	Humidity (no condensation)	0 ~ 90%
Body Properties	Dimension	95.0(L) x 78.0(W) x 18.6(H)mm
	Material	Aluminium alloy material + crystal panel
	Treatment process	Grit blast
	Color	Black
	Weight	TX:200g, RX:200g

Disclaimer

The product name and brand name may be registered trademark of related manufacturers. TM and ® may be omitted on the user manual. The pictures on the user manual are just for reference, and there may be some slight difference with the real products. We reserve the rights to make changes without further notice to a product or system described here in to improve reliability, function or design.

HDMI KVM EXTENDER

User Manual

