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. Please pay attention to all the warnings and hints on this device.
2. Do not expose this unit to rain, moisture and liquid.
3. Do not put any stuff into the device.
4. Do not repaire the device or open the enclosure without professional person guidance to avoid electronic shock.
5. Make sure good ventilation openings to avoid product overheating damage.
6. Shut off power and make sure environment is safe before installation.
7. Can be powered by network cable. It only needs to connect the DC5V /2A power on the transmitter unit, both transmitter and receiver start work.

• INTRODUCTION

This HDMI Extender is a solution for transmission and extension uncompressed 1080p@60Hz HDMI signal over a single CAT5/5e/6 network cable. It includes a transmitter unit (TX) and a receiver unit(RX), working as a pair. Transmission distance is up to 60 meters with nearly 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. Support point to point connection.
2. Uncompressed and nearly zero latency.
3. Support resolution up to 1080p@60Hz.
4. Transmitter supports one HDMI loop-out.
5. Support KVM function, remote control conveniently
6. Transmission distance up to 60m via CAT6 cable, 50m via CAT5E cable, 50m via CAT5 cable.
7. Can be powered by network cable and only transmitter needs power supply.

• PACKAGE CONTENTS

Transmitter unit （TX）×1pcs

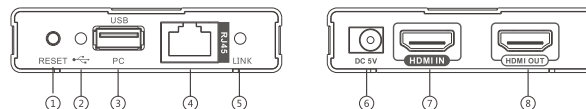Receiver unit （RX）×1pcs

User manual×1pcs

DC5V/2A power adapter x1pcs

• INSTALLATION REQUIREMENTS

1. HDMI source device(computer graphics card, DVD,PS3, HD monitoring equipment etc).
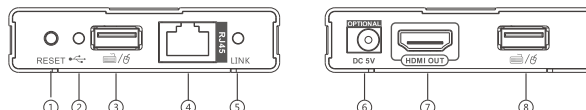2. HDMI display device like SDTV, HDTV, projector with HDMI port.

• PENAL DESCRIPTION

1. Transmitter unit(TX)

①	Reset button	Restart the unit
②	USB connection indicator	LED indicator keeps on and Fast flashing means the computer/PC have established or connected, slow flashing means no established connection
③	USB port	Connect with computer/ PC
④	RJ45 signal output	Connect with network cable
⑤	Video link indicator	LED indicator keep on when HDMI signal input flashing when there is no signal transmission
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	USB connection indicator	LED indicator keeps on and Fast flashing means the computer/PC have established or connected, slow flashing means no established connection
③	USB port	Connect with keyboard and mouse
④	RJ45 signal output	Connect with network cable
⑤	Video link indicator	LED indicator keep on when HDMI signal input flashing when there is no signal transmission

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 CAT5E/6 network cable

Follow the stanard of IEEE-568B:

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

2. Connection
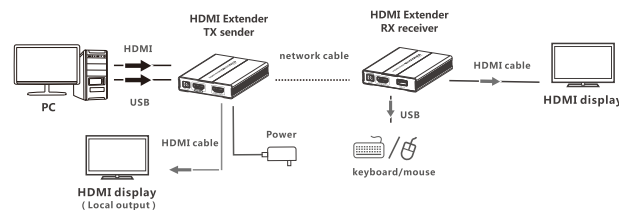
3. Connection instruction
1) Connect HDMI input with source device.
2) Connect HDMI output with display device.
3) Connect the keyboard/mouse with the receiver via USB port.
4) Connect the transmitter with PC via USB cable.
5) If use HDMI loop-out function, connect the HDMI display devices to the HDMI output port on the transmitter via HDMI cables.
6) Plug the power supply into the transmitter (power led lights illuminates) and it works.

- **FAQ**

    Q: No image output?
    A: 1) Check and make sure all cables are connected well;
    2) Reset transmitter and receiver and reconnect.
    Q: RX" Video link indicator " indicator is flashing all the time?
    A: 1) Make sure network cable connection follows the standard
    of IEEE568B;
    2) Check whether transmitter has HDMI signal input;
    3) Reset transmitter and receiver and reconnect.
    Q: Receiver "Video link indicator" led lights keep on 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 (1 pcs only)
	Power consumption	TX: 2W RX: < 2W
HDMI Performance And Interface	HDMI compliance	HDMI1.3
	HDCP compliance	HDCP1.4
	HDMI resolution	720x576p@50Hz, 720x480p@60Hz, 1280x720p@60Hz, 1920x1080p@60Hz, 640x480p@60Hz, 800x600p@60Hz 1024x768p@60Hz, 1280x800p@60Hz, 1280x1024p@60Hz, 1440x900p@60Hz, 1680x1050p@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)

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
Transmission length	CAT5	50m
	CAT5E	50m
	CAT6	60m
Operating Environment	Working temperature	0 ~ 60℃
	Storage temperature	-10 ~ 70℃
	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:210g, RX:210g

HDMI KVM EXTENDER

User Manual
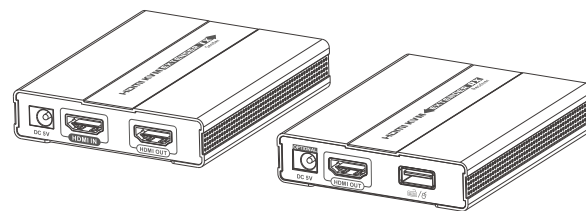
Disclaimer

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.