• 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 guidence 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. Do not plug-in/out the network cables and IR cables when it is in using to avoid cables damage.
8. Use DC5V only. Make sure the specification matched if using 3rd party DC adapters.

• Introduction

This HDMI wireless extender includes transmitter unit and receiver unit, allows to transmit and extend HDMI signal up to 50 meters long away wirelessly, it has strong anti-interference ability by running at 5GHz operation frequency. This wireless extender not only support point to point configuration, but also support one to many (1 to 2) and many to many (2 to 2, 2 to 1) configuration. This extender supports wide range IR passback frequency 20-60KHz to realize remote control of source devices from receiver side. With both button control and IR controller, makes channel setting easy. It is really a very good solution for transmitting one or more HDMI source signal to one or more screens in long distance without running wires, perfect for application of conference, home entertainment and education etc.
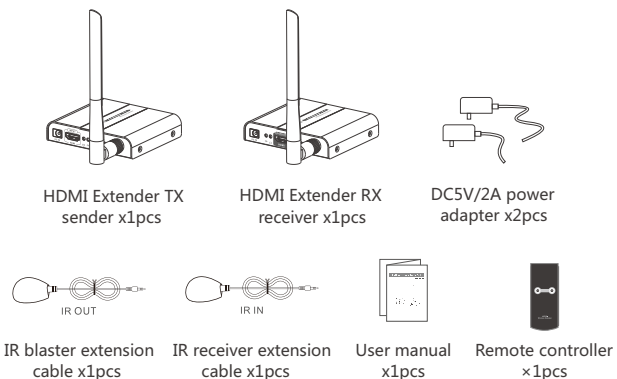
Note:
1) Transmission distance will be different due to the environment.
2) Wall, brick or glass will shorten the signal cover range or cause big signal loss.

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3) It is recommended that the distance between each transmitter and receiver should be more than 5 meters.

• Features

1. Smart portable design, wonderful performance
2. Highest resolution up to 1080p full HD
3. Strong anti-interference ability by running at 5GHz operation frequency
4. Support point to point configuration, one to many (1 to 2) configuration and many to many (2 to 2, 2 to 1) configuration.
5. Support IR passback with 20-60KHz frequency
6. Supports button control to set channels and IR contoller to switch and choose input sources from receiver side.
7. 50m long range transmission distance

• Package Contents

HDMI Extender TX sender x1pcs
HDMI Extender RX receiver x1pcs
DC5V/2A power adapter x2pcs

IR blaster extension cable x1pcs
IR receiver extension cable x1pcs
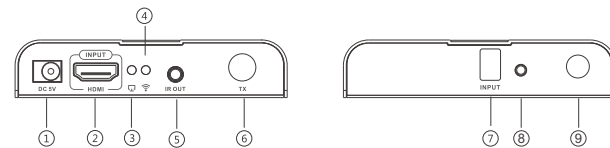User manual x1pcs
Remote controller ×1pcs

• Installation Requirement

1. HDMI source device (DVD, PS3, Set top box, PC etc)
2. HDMI display device like SDTV, HDTV, and projector with HDMI port.
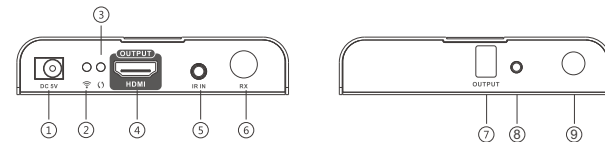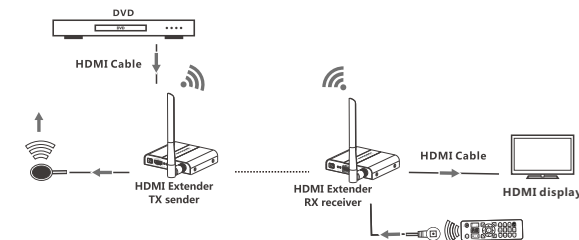
• Panel Description

1. HDMI Extender TX sender

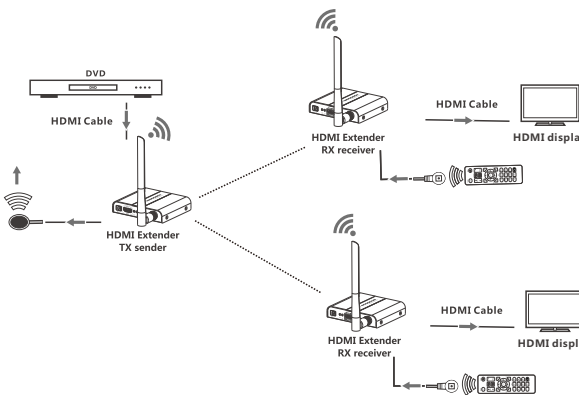| ①	Power input	Connect with DC5V/2A power adapter
②	HDMI input	Connect with HDMI source device
③	HDMI signal indicator	HDMI signal input it always on
④	Wireless connections indicator	It's on when the transmitter and the receiver connect well with each other, other wise, it's off
⑤	IR blaster extension cable interface	Connect with IR blaster extension cable. Please put the IR blaster close to source device to best transmit the IR signal from receiver
⑥	Antenna	Launch wireless signal
⑦	CHANNEL setting button	When the CHANNEL of transmitter as same as the CAHNNEL of receiver, wireless transmission connected.
⑧	Digital control button	Display CHANNEL channel parameters
⑨	IR remote control window	Receive IR remote control signal

2.HDMI Extender RX receiver

①	Power input	Connect with DC5V/2A power adapter
②	Wireless connections indicator	It's on when the transmitter and the receiver connect well with each other, other wise, it's off
③	Data transmission indicator	Led blinks slowly when it is building connection. Led blinks fast when it is successfully connected and transmitting data
④	HDMI output	Connect with HDMI display device
⑤	IR receiver extension cable interface	Connect with IR receiver extension cable. Please make sure the remote control is within the required range of IR receiver
⑥	Antenna	Receive wireless signal
⑦	CHANNEL setting button	When the CHANNEL of receiver as same as the CAHNNEL of transmitter, wireless transmission connected.
⑧	Digital control button	Display CHANNEL channel parameters
⑨	IR remote control window	Receive IR remote control signal

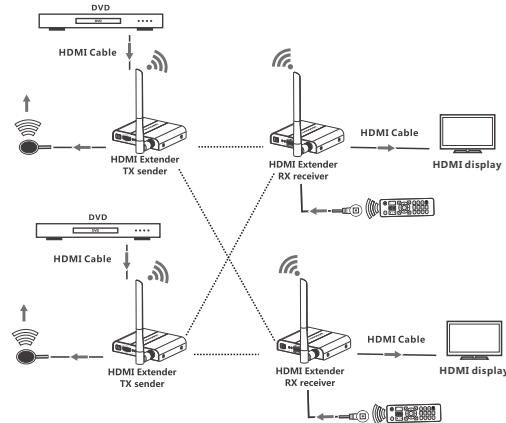
1. Point to Point connection:

2. One to two connection:

3. Matrix connections

Connection instruction:

1) Connect HDMI input with HDMI source device and connect IR blaster extension cable with IR OUT interface of the sender (TX).
2) Connect HDMI output with HDMI display device and connect IR receiver extension cable with IR IN interface.
3) Power on the device (power led lights) and it works.

Note:

1) When the wireless signal transmits through wall, glass or other obstacles, it will cause signal loss. Please install this device in good environment with few obstacles.
2) This wireless matrix can support up to 2 transmitter work with 2 receivers simultaneously, please make sure each device keep 5 meters away from others at least.
3) The environment wireless signal will affect transmission, such as microware, wireless mouse and keyboard etc.

• FAQ

Q: Transmitter and receiver can`t be connected with each other?
A:1) Please check and make sure both receiver and transmitter have been powered on
  2) Please check and make sure the CHANNEL of both receiver and transmitter are the same.

Q: The wifi LED indicator of the transmitter keeps on, but no signal output on display/monitor?
A:1) please check if there is an HDMI signal input of sender 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 cables and try again.

Q: Display not fluent and stable
A: 1) Please move the position of sender (TX) and receiver (RX) and make sure the device is within the signal coverage.
  2) Press "reset" button on the TX/RX panel, reset and reconnect.
  3) Remove other wireless signal disturbance and reduce the obstacles on the way.
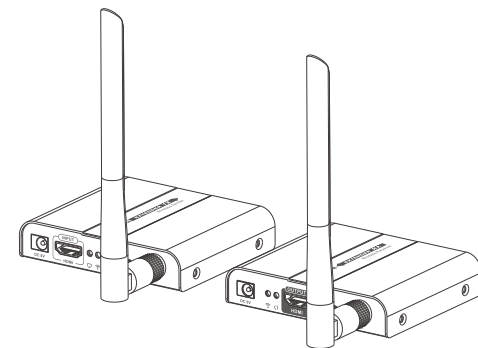
• Specification

Items		Specification
Power supply	Voltage/Current	DC5V/2A
	Power consumption	TX < 7W Rx < 5W
HDMI performance and interface	HDMI compliance	HDMI1.3
	HDCP compliance	HDCP1.2
	HDMI resolution supported	480i@60Hz、480p@60Hz, 576i@50Hz、576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz
	Supports audio formats	L/R stereo audio
	Maximum transfer rate	10.2Gbps
	Audio signal transmission format	L/R stereo audio
	Input and output TMDS signal	0.5 ~ 1.5Vp-p(TMDS)
	Input and output DDC signal	5Vp-p(TTL)
	Input cable length supported	≤5m(AWG26 HDMI1.3cable standard)
	Output cable length supported	≤5m(AWG26 HDMI1.3cable standard)
IR performance and interface	IR remote control	Support IR passback with 20-60KHz frequency
Wireless performance and interface	Transmission method	5.8G Wireless transmission
	Transmission distance	50 Meters
	Latency	≤200 ms
Protection level	Electrostatic protection of the whole machine	1a Contact discharge level 3
		1b Air discharge level 3
		Standard: IEC61000-4-2
Operating environment	Working temperature	0 ~ 50℃
	Storage temperature	-10 ~ 70℃
	Fumidity (no condensation)	0 ~ 90%

	Dimension	95(W) x 120.58(D) x 20.1(H)mm
Body properties	Material	Iron alloy material + crystal panel
	Processing technology	Sandblasting
	Colour	black
	Weight	TX : 200g , RX : 200g
Reliability	Mean time between failures (MTBF)	> 30000 Hours

HDMI Wireless Matrix Extender

User manual

Support many to many

Disclaimer