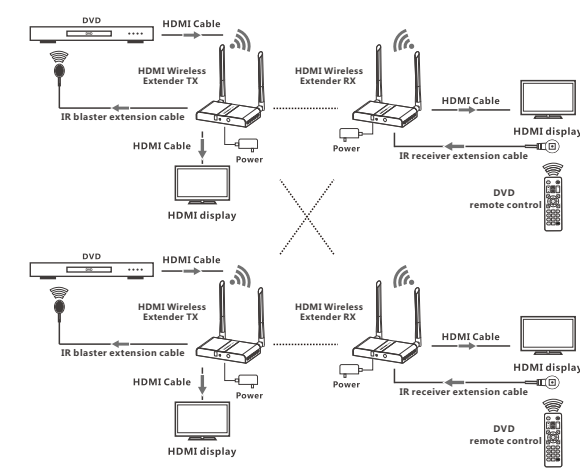


3. Matrix connections



Connection instruction:

- 1) Connect HDMI input with HDMI source device and connect IR blaster extension cable with IR OUT interface of the transmitter. Align the infrared blaster with the source device.
- 2) Connect HDMI output with HDMI display device and connect IR receiver extension cable with IR IN interface of the receiver. Point the infrared receiver at the user for convenient remote control.
- 3) Set the devices that need to be paired to the same channel.
- 4) Plug the power supply into the device to get started.

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) It is recommended that the same space should not exceed two groups of devices working at the same time. Please keep the distance between each group of devices greater than 5 meters when using, and the two groups of devices need to be set to different frequencies to prevent interference. Please set the channel number of the first group of devices to 0~4; set the channel number of the second group of devices to 5~9.
- 3) The environment wireless signal will affect transmission, such as microwave, wireless mouse and wireless keyboard etc.

• FAQ

Q: Transmitter and receiver can't be connected with each other?

- A: 1) Please check and make sure both transmitter and receiver have been powered on.
- 2) Please check and make sure the input channel of transmitter and the output channel of receiver 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 transmitter.
- 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 transmitter and receiver 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 obstacle on the way.

• SPECIFICATION

Items		Specification
Power supply	Voltage/Current	DC5V/2A
	Power consumption	TX < 7W   RX < 6W
HDMI performance and interface	HDMI compliance	HDMI1.3
	HDCP compliance	HDCP1.2
	HDMI resolution supported	480p@60Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz
	Maximum transfer rate	4.95Gbps
	Input and output TMDs signal	0.7~1.2Vp-p(TMDs)
IR performance and interface	Input and output DDC signal	5Vp-p(TTL)
	IR remote control	Support IR passback with 20-60KHz frequency
Wireless transmission	Transmission method	5G Wireless transmission
	Transmission DIST ( Sight Distance )	1 to 1 outdoor:100m/328ft, indoor:30m/98ft
		1 to 2 outdoor:50m/164ft, indoor:25m/82ft
		2 to 2 outdoor:50m/164ft, indoor:30m/98ft
	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°C
	Storage temperature	-10 ~ 70°C
	Humidity (no condensation)	0 ~ 90%
Body properties	Dimension	121.4(W) x 132.0(D) x 21.5(H)mm
	Material	Iron alloy material + crystal panel
	Processing technology	Powder coating
	Colour	Black
	Weight	TX : 310g , RX : 310g

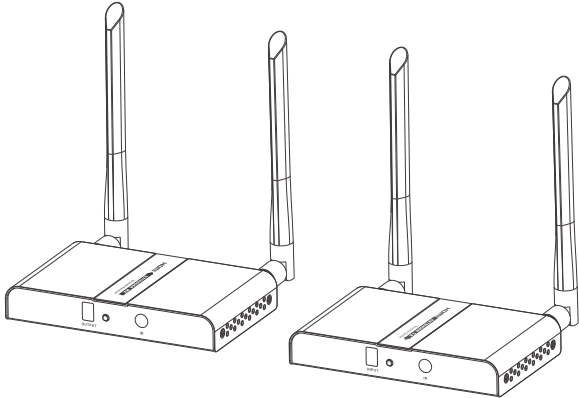
Disclaimer

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 herein to improve reliability, function or design.

# HDMI Wireless Extender

## User manual



• **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 repair 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. Use DC5V/2A only. Make sure the specification matched if using 3<sup>rd</sup> party DC adapters.

• **INTRODUCTION**

This HDMI wireless extender includes a transmitter and a receiver, allows to transmit and extend HDMI signal up to 100 meters/328ft (outdoor space without interference), it has strong anti-interference ability by running at 5GHz operation frequency. It supports one to one connection, one to two connection and two to two connection. With both remote control and button control, makes channel setting easily. It is a really good solution for transmitting one or two HDMI source signal to one or two screens in long distance without laying cables. It is perfect for conference, home entertainment, education etc.

Note :

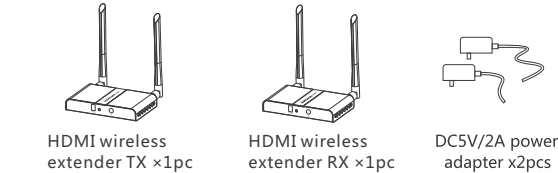
- 1) Transmission distance will vary due to the environment.
- 2) Transmission distance will vary due to the configuration.
- 3) Wall, brick or glass will shorten the signal cover range or cause big signal loss.

- 4) It is recommended that the distance between each unit should be more than 5meters.

• **FEATURES**

1. Metal housing, stable and durable.
2. Transmitter support one HDMI loop-out.
3. Support resolution up to 1080p@60Hz.
4. 100m long range transmission sight distance. (1 to 1: 100m, 1 to 2: 50m)
5. Support IR passback with 20-60KHz frequency.
6. Strong anti-interference ability by running at 5GHz operation frequency.
7. Support point to point configuration, one to many (1 to 2) configuration and many to many (2 to 2) configuration.
8. Support button control and remote control to set channel.

• **PACKAGE CONTENTS**

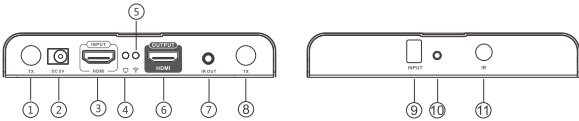


• **INSTALLATION REQUIREMENT**

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**

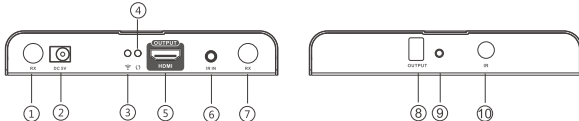
1. HDMI Wireless Extender Transmitter (TX)



①	TX	Connect with antenna
②	DC 5V	Connect with DC5V/2A power adapter
③	HDMI INPUT	Connect with HDMI source device
④		HDMI signal input, it always on
⑤		It's on when the transmitter and the receiver connect well with each other, other wise, it's off
⑥	HDMI OUTPUT	Connect with HDMI display device
⑦	IR OUT	Connect with IR blaster extension cable. Please put the IR blaster close to source device to better transmit the IR signal from receiver
⑧	TX	Connect with antenna
⑨	INPUT	Indicate the input CHANNEL as a number, and when the CHANNEL of transmitter as same as the CHANNEL of receiver, wireless transmission connected
⑩		Adjust channel

⑪	IR	Receive IR remote control signal
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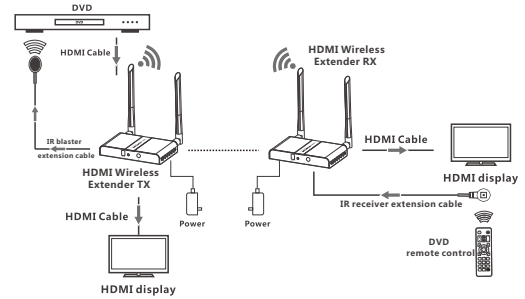
2. HDMI Wireless Extender Receiver (RX)



①	RX	Connect with antenna
②	DC 5V	Connect with DC5V/2A power adapter
③		It's on when the transmitter and the receiver connect well with each other, other wise, it's off
④		Led blinks slowly when it is building connection. Led blinks fast when it is successfully connected and transmitting data
⑤	HDMI OUTPUT	Connect with HDMI display device
⑥	IR IN	Connect with IR receiver extension cable. Please make sure the remote control is within the required range of IR receiver
⑦	RX	Connect with antenna
⑧	OUTPUT	Indicate the output CHANNEL as a number, and when the CHANNEL of transmitter as same as the CHANNEL of receiver, wireless transmission connected
⑨		Adjust channel
⑩	IR	Receive IR remote control signal

• **CONNECTION**

1. Point to point connection:



2. One to many connection:

