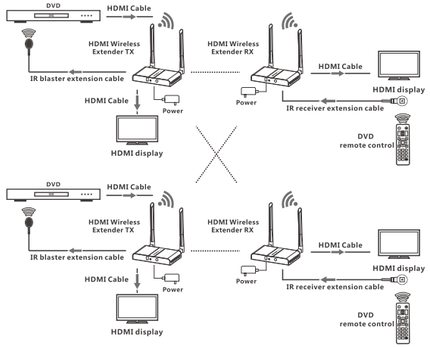
3. Matrix connections



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)
	Input and output DDC signal		5Vp-p(TTL)
IR performance and interface	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℃
	Storage temperature		-10~70℃
	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

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

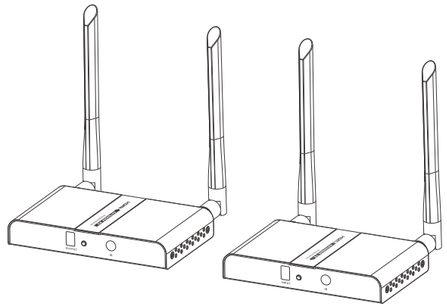
NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Disclaimer

HDMI Wireless Extender

User manual



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

• 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. Use DC5V/2A only. Make sure the specification matched if using 3rd 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 recommanded 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

HDMI wireless extender TX ×1pc

HDMI wireless extender RX ×1pc

DC5V/2A power adapter x2pcs

IR blaster extension cable x1pc

IR receiver extension cable x1pc

User manual x1pc

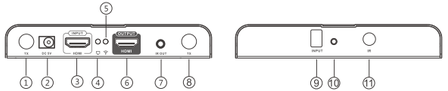
Remote controller ×1pc

• 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.

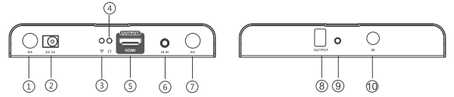
• PANEL DESCRIPTION

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

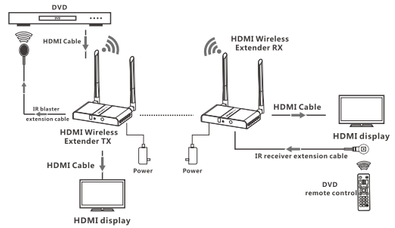
2. HDMI Wireless Extender Receiver (RX)



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: