

# Wireless A/V Transmitter & Receiver

## Wireless IR Remote Extender 2.4G/5.8G Series



### SUPPORT ENVIRONMENTAL PROTECTION

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.



Operation Manual

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### Statement on Exemption from Liability

Thank you for buying 2.4G/5.8G series wireless A/V transmitter & receiver (IR wireless re-transmitter)! In order to better use this product, please carefully read this Manual before use. All the information contained in this manual has been carefully processed but we cannot ensure it is absolutely correct. We assume no liability for losses resulting from the use of the information in this manual.

The manual authorizes no permission to any party. Nobody is allowed to duplicate or copy the whole or any part of this manual in any way.



## I. Product Description

Thank you for buying 2.4G/5.8G series wireless A/V transmitter & receiver (Wireless IR Remote Extender)! The product consists of a transmitter and a receiver. It adopts an advanced 2.4GHz/5.8GHz wireless transmission scheme and has the advantages of a long transmission range, strong anti-interference and high mobility. It can transmit AV signals of DVD, DVR, CCD camera, IPTV, satellite STB, digital TV STB and other similar devices, by means of radio waves and receive them at distant end and input them to a TV set to be displayed. Moreover, the IR remote controller can be used at the receiving end to realize the function of wireless control of devices from another place. It enables you to easily realize wireless sharing of HD AV data and enjoy untrammelled hi-fi audio and visual effects.

### 1. Functions and features

- Use 2.4GHz ISM frequency band. Support 4 groups of channels. You can select these channels to avoid interference from signals of a wireless router, etc.
- Use 5.8GHz ISM frequency band. Support 8 groups of channels. You can select these channels to avoid interference from signals of a wireless router, etc.
- Wireless transmission is suitable for one-floor or two-floors.
- The transmitter and the receiver are used in the same channel in a pair and can be used in the modes of point-to-multipoint or multipoint-to-multipoint.
- Compatible with DVD, DVR, CCD camera, IPTV, satellite STB, digital TV STB, and other AV output devices.
- Superheterodyne 433MHz Wireless IR Remote Extender is fully compatible with remote control signals of DVD, DVR, CCD camera, IPTV, satellite STB, digital TV STB and other AV devices.
- The product is equipped with super strong IR signal transmitting function or used in conjunction with an IR signal extension wire.
- Images received by means of radio are vivid and stable, the color is flamboyant, and the sound is clear.
- Supports video transmission of PAL/NTSC system and stereo audio transmission.
- Fully hardware-designed. There is no need to install software. Plug and play. Simple and convenient.
- Dimensions: 10cm (L) × 8.5cm (W) × 3.0cm (H).
- 2.4GHz/5.8GHz module is FCC CLASSB certificated. Wireless application is safe and reliable.

## 2. Applications

- It transmit AV signals by means of radio waves and can be used for wireless sharing of AV signals of DVD, DVR, CCD camera, IPTV, satellite STB, digital TV STB and other AV devices of several TV sets.
- Wireless AV transmission solutions are suitable for large video meeting systems and multimedia class rooms.
- With an external CCD camera, it can realize real-time field image monitoring in applications such as security system.
- It can also be used in AV transmission applications where the AV cabling is difficult or expensive.

## 3. Standard accessories

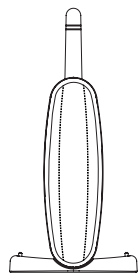
Transmitter.....	1 set
Receiver.....	1 set
Power adapter.....	2 pcs
RCA cable .....	2 pcs
IR extension wire .....	1 pcs
Operation Manual .....	1 copy

## 4. Specifications

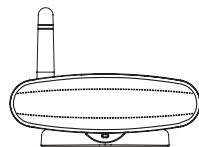
Power input: DC 5V=1000mA  
 Video input: 1Vp-p(PAL/NTSC)  
 Audio input: 1.5Vp-p (dual channel)  
 Video output: 1Vp-p(PAL/NTSC)  
 Audio output: 1.5Vp-p (dual channel)

## II. Hardware and Installation Instructions

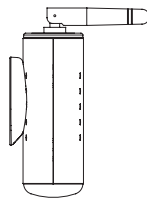
### 1. Allocation



〔Vertically allocated〕

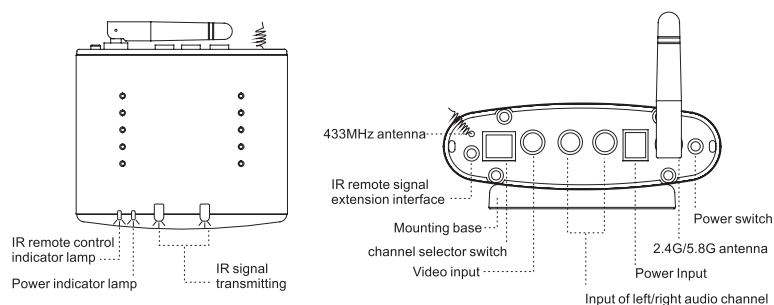


〔Horizontally allocated〕

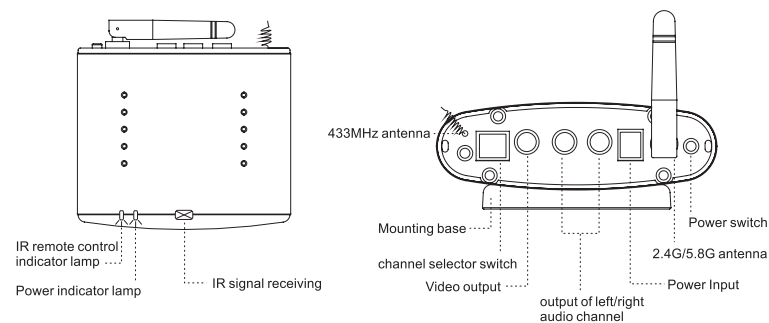


〔Wall-hung〕

### 2. Transmitter panel description

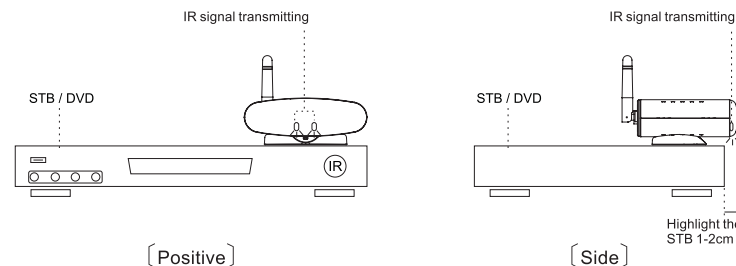


### 3. Receiver panel description



### 4. Transmitter installation

- Put the transmitter near the STB or other AV signal output device and connect the AV wires with corresponding colors (red, white, yellow).
- In order to ensure normal functioning of the Wireless IR Remote Extender, please arrange the transmitter in the following ways or operate it with an IR extension wire.
- Put the transmitter above the STB or other device so that the IR transmitting window extrudes out by 1 to 2 cm and vertically aims at the receiving window of the IR signal of the STB or other device.

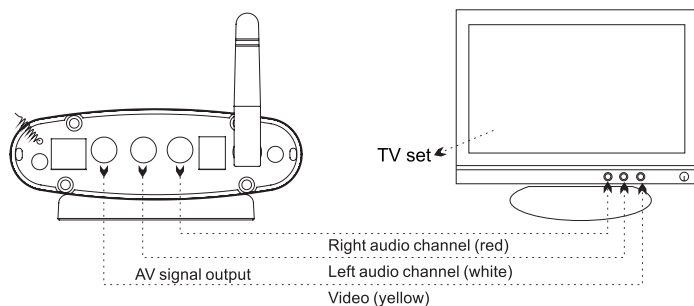


### Hints:

The receiving window of the IR signal of the STB or other device is generally marked with "IR". Please vertically aim the IR signal transmitting window of the transmitter at it.

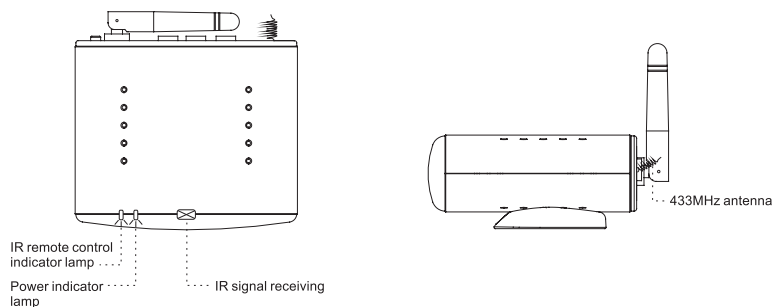
## 5. Receiver installation

Put the receiver near the TV set you want to watch and connect the AV wires with corresponding colors (red, white, yellow).



## 6. Allocation of 433MHz antenna

Please pay attention to the allocation of the 433MHz antenna. Make sure there is no obstacle around the 433MHz antenna, especially metal obstacles which may seriously impact wireless retransmission of IR signals.




### Hints:

When arranging the transmitter and receiver, make sure there is no obstacle around the 2.4G/5.8G antenna and the 433MHz antenna. Otherwise transmission of the signal will be affected.

## III. Operation

### 1. Power switch

Pressing the power switch  can switch on or off the power to the transmitter or receiver and enable it to transmit or not transmit the signal.

### Hints:

To avoid damage to the product and ensure its normal operation, connection of the product shall be performed when the power to all connected devices is disconnected completely. The power can only be switched on after the connection of the product is completed. After the power is switched on, do not connect and disconnect it at will. If the product is not used for an extended period, please switch off the power.

### 2. 2.4GHz/5.8GHz channel selection

Press the Channel switches can be free to choose 2.4GHz/5.8GHz transmission channel. AV signal can be transmitted normally only when the transmitter and the receiver are on the same channel.

### ■ 2.4GHz /5.8GHz transmission channel(turn the switch down):



### Hints:

Please select the 2.4GHz/5.8GHz transmission channel with the best image and sound effect according to the actual operation environment. If there is interference from the router signal in the environment, please select another 2.4GHz/5.8GHz transmission channel to avoid the interference source.

### 3. 433MHz Wireless IR Remote Extender

2.4G/5.8G Series wireless A/V transmitter & receiver (Wireless IR Remote Extender) needs no remote controller. If the STB or other device is equipped with a remote controller, you can use it to remotely control the receiver end to realize the function of wireless remote control from another place.

#### Transmitting RF:

1. Transmission frequency:  $433.92\text{MHz} \pm 200\text{KHz}$  Superheterodyne
2. Carrier frequency: 38KHz
3. IR signal Receiving:  $\leq 10\text{m}$

#### Receiving RF:

1. Transmission frequency:  $433.92\text{MHz} \pm 500\text{KHz}$  Superheterodyne
2. Carrier frequency: 38KHz
3. IR signal Transmitting:  $\leq 5\text{m}$

#### Hints:

If the Wireless IR Remote Extender is not sensitive, you can adjust the relative locations of the transmitter and the receiver. Keep them away from the AV connection wires or other metal objects to ensure barrier-free signal transmission.

## IV. Common problems and troubleshooting

### ■ If the indicator lamps do not light up and there is no image

1. Check if the power to the transmitter and the receiver is correctly connected and if the power switch is on.
2. Change the 2.4GHz/5.8GHz transmission channel of the transmitter and the receiver (see 2.4GHz/5.8GHz channel selection).
3. Check if the AV connection wires of the transmitter and the receiver are correctly connected (see hardware and installation instructions).

### ■ If the Wireless IR Remote Extender function fails

1. Check if the transmitter is set up correctly or operate with the IR signal extension wire.
2. Adjust the locations of the transmitter and the receiver.
3. Disconnect the power to the transmitter and the receiver and restart after 1 to 2 minutes.

### ■ If the image has interference

1. Please change the 2.4GHz/5.8GHz transmission channel of the transmitter and the receiver (see 2.4GHz/5.8GHz channel selection).
2. Please adjust the angle of the 2.4G/5.8G antenna of the transmitter and the receiver.
3. Place the transmitter and the receiver on higher locations whenever possible.

## V. Warranty Service Promise

### Warning:

The power can only be switched on after the connection of the product is completed. After the power is switched on, do not connect and disconnect it at will. The product is intended only for family use. It does not support special industrial equipment. Non-professionals are not allowed to disassemble it.

### 1. Warranty is limited to consumers who buy this product through legal distribution channels.

### 2. Promise:

The company hereby promises the users: for the series products (including accessories) bought from appointed distributor of the company, if any quality problem occurs in normal use within 3 months from the date of purchase, the user can exchange the product for a new one from the original distributor by invoice or receipt. If any problem occurs within 1 year, the user can go to the original place of purchase for repairs, free of charge.

### 3. The repair of the following will be charged for:

- A. The warranty period is expired.
- B. Problems and damage caused by connecting other devices.
- C. Problems and damage caused by repair or alteration by the user.
- D. Problems and damage caused by not following the operation instructions of the product.
- E. Problems and damage caused by collision, fall or other reasons other than the product's quality.
- F. Product damage caused by fire, lightning strikes or other unexpected disasters.

For repair of returned products which are damaged by the above situations, the users shall bear replacement costs of the damaged component as well as mailing charges.

### Solemn statement:

The manufacturer assumes no liability for irreversible damage to the product caused by above situations or damages to other devices caused by these situations.

## VI. After-sale Service Card

### Dear user:

Thank you for buying 2.4G/5.8G Series wireless A/V transmitter & receiver (Wireless IR Remote Extender). In order to ensure that you can fully enjoy the perfect after-sale services of our company, please carefully read the comments of this Product Service Card.

### Comments:

1. Please keep this card in a safe place; in case of loss a replacement card will not be issued.
2. This card and purchase receipt must be shown when applying for warranty services.
3. This warranty card is invalid without the seal of the distributor.

### High quality, excellent services

User Profile	User Name:
	Contact Phone:
	Contact Add:
	Product Name:
	Product Model:
Distributor	Purchase Date:
	Distributor Name:
	Add:
Vice Card	Signature of the handler:      Seal of the distributor
	User Name:
	Contact Phone:
	Product Name:
	Product Model:
	Purchase Date: