

## Operating Instructions

### HDMI 4K Wireless Sender System

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## Overview

This 4K wireless HDMI extender system supports 4K 60Hz resolutions with super smooth playback and low latency. You can now watch TV in your bedroom, study or any other room without messy cables. You can wirelessly send the HD video signal from an HDMI source (for example, your set-top box) to a second TV or projector in another room and continue to operate those remotely.

Support wireless HD transmitter with multiple receivers with only minimal latency. You can wireless stream the video content from one transmitter to multiple receivers simultaneously. Excellent for applications like education or digital signage

## Package Contents

1 x HDMI Transmitter  
1 x HDMI Receiver  
2 x 5V 2.1A Power Supplies  
2 x USB Type C Cables  
1 x Micro USB Cable  
1 x IR Transmitter Cable  
2 x HDMI Cables

## Features

- Supports 4K @ 60Hz.
- As low as 100ms latency.
- Supports 20-60KHz IR remote extension.
- Supports USB KVM function.
- Up to 150m transmission line of sight.
- Auto channel selection.
- Equipped with 802.11ac 2T2R WiFi MIMO module.
- High-security protection.
- Supports one transmitter to multiple receivers.

Specifications

System	
Video Resolution	4K60; 4K30; 4K24; 1080P60/50/30/24;1080i60/50; 720P/60/50/30 480P
Audio	Stereo, 44.1KHz
Wireless standard	IEEE 802.11b/g/n/ac, 2.4G/5GHz, 2T2R
Latency	About 100ms latency
HDMI Version	HDMI 2.0 with HDCP2.2
Platform supported	Any devices that support HDMI Port
Distance	≈150m in the clear line of sight
Transmitter	
Interface:	HDMI out x1; HDMI in x 1; Micro USB x 1; 3.5mm jack x1; Type x1
LED	Red/Blue LED x 1
Switch Button	x 1
Power supply	DC5V/2.1A
Power Consumption	About 7W
Dimension	154 x 77.5 x 21mm
Weight	330g
Receiver	
Interface	HDMI out x1; USB x 2; Type C x1
LED	Blue LED x 1
Power supply	DC5V/2.1A
Power Consumption	About 5W
Dimension	154*77.5*21mm
Weight	330g

## Safety Instructions

Please read these instructions thoroughly before you use the device and keep them for future reference.

Only for indoor use.

This product is not a toy. Keep out of reach of children.

Do not use the product in a damp environment or near water.

Do not expose the product to extremely high or low temperatures, strong light sources or direct sunlight.

Connect the adapter to the mains only after you have verified that the line voltage corresponds to the value specified on the type plates.

Never connect a power adapter if it's damaged. In such cases, please contact your supplier.

Disconnect the AC/DC power adapter from the mains when this device is not in use for prolonged time.

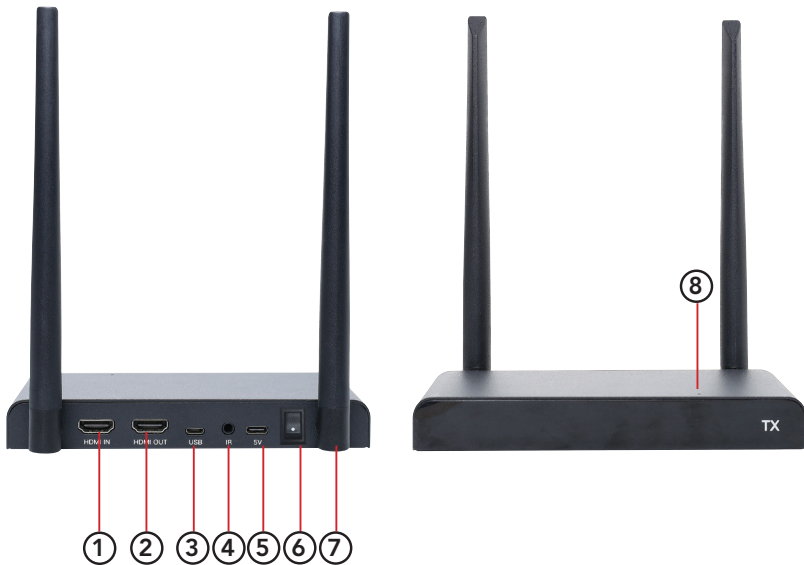
Never open the product: the device may contain parts with deadly voltage. Repairs or service should only be performed by qualified personnel.

Improper use, self-installed modifications or repairs will void any and all warranties.

**We do not accept any product responsibility for incorrect use of the product or use other than for which the product is intended.**

**We do not accept liability for any consequential damage other than the legal product responsibility.**

### Transmitter Overview



1. HDMI in: Connect to the video source.
2. HDMI out: Connect to display for Pass-through.
3. Micro USB: Connect to USB of video source for KVM function.
4. IR Port: Connect with IR probe of video source for IR extension.
5. Type C : Connect with 5V/2.1A power adapter.
6. Switch: Turn the system on/off.
7. Antenna.
8. System LED.

## Receiver Overview



1. HDMI out: Connect with display.
2. USB: Connect with mouse & keyboard for USB KVM, you can also connect with touch panel USB port for touch panel back control.
3. Reset: Reset to factory settings.
4. Type C : Connect with 5V/2.1A power adapter.
5. Switch: Turn the system on/off.
6. Antenna.
7. IR Window: IR extension receiver.
8. System LED.

### Operation & Pairing

A standard wireless HDMI extender kit includes one transmitter and one receiver, which are paired before shipment. Normally you don't need to pair them again.

However, if you buy additional receiver, you need to follow the instruction below to pair the new receiver with the transmitter.

1. Power on the transmitter.
2. Power on the receiver till it's on the main menu.
3. Press the receiver's reset button and hold for 5 seconds till the LED is flashing fast.
4. Wait around 30 seconds, the transmitter and receiver will paired automatically.

### Connecting the transmitter

The transmitter sends the HD video signal wirelessly to the receiver in another room . Therefore, place the transmitter near your HDMI source (for example: set top box, Blu-ray player, Media Player, Media Center PC/ laptop).

1. Connect the power adapter to the connector marked "5V" and insert the plug into the wall socket.
2. Use a HDMI cable to connect the HDMI source to the HDMI port marked "HDMI IN" on the TX.
3. Optional: To continue watching TV in this room as well, use a HDMI cable (not supplied) to connect a TV to the HDMI port marked "HDMI OUT".

#### **Transmitter LED guide:**

Red: System is booting up.

Blue: Connected.

Purple: No video input.

## Connecting the receiver

1. Connect the power adapter to the connector marked "5V" and insert the plug into the wall socket.
2. Place the receiver in the room (bedroom, study or other room) where you want to connect the second TV or projector.
3. Use a HDMI cable to connect your TV or projector to the HDMI port marked "HDMI OUT" on the HD receiver.

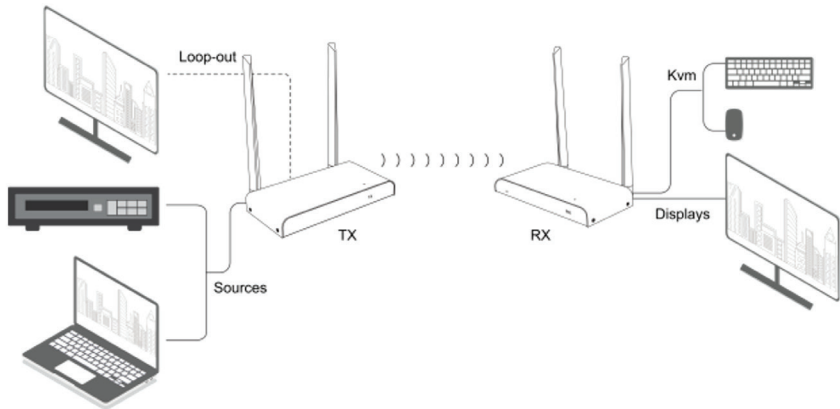
### Receiver LED guide:

Flashing blue: Waiting for connection.

Static blue: Connected.

## Streaming modes

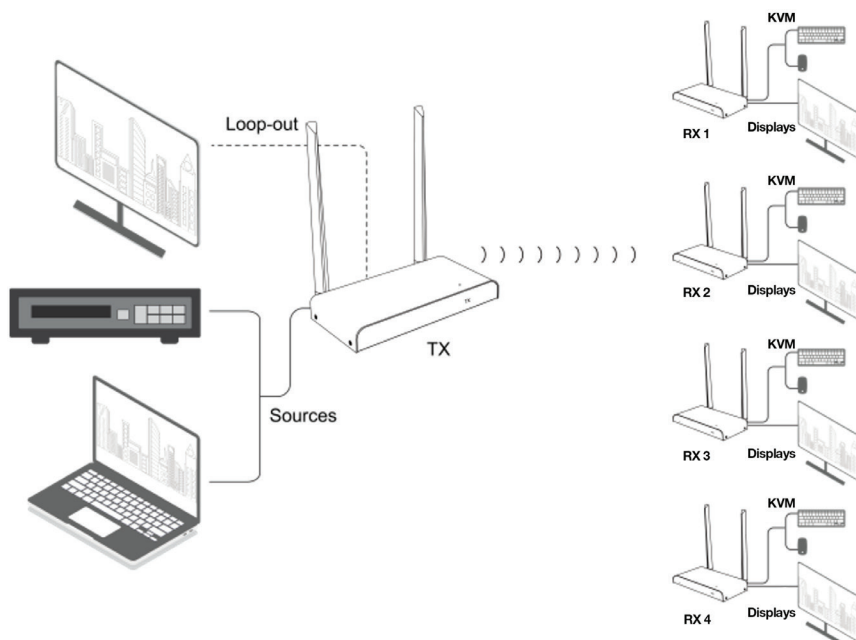
### One TX to one RX mode.





### One TX to multiple RX mode.

When you connect TX and RX by following above step, the TX and RX will connect automatically

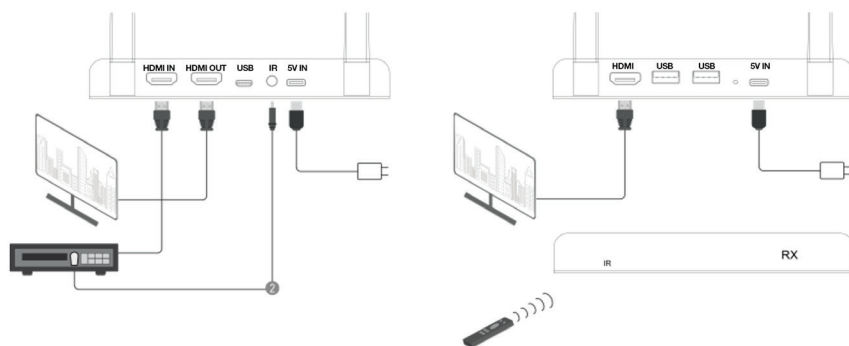


The HDMI extender also supports multicast function, which means video transmission from one transmitter is streamed to a group of receivers simultaneously. One transmitter can support up to 4 receivers.

Normally, if you buy a new receiver, the transmitter will recognize and stream the video to the second receiver automatically as soon as the second receiver is powered on.

If the transmitter and new receiver are not paired automatically, please pair the TX and RX according to the "Operation & Pairing" process, as outlined on the previous pages.

## Connecting Infra-Red Return



The 4K wireless HDMI extender has a Built in “infrared return” that enables continued operation of the connected HDMI sources from another room. For example, operate your HDMI source downstairs from your bedroom (location of second TV).

The IR cable receives the commands sent by the IR receiver and forward it to your connected HDMI sources.

Connect the IR cable (2 - on figure above) to the HD transmitter’s connector marked “IR”.

Make sure that the LED of the IR cable is attached exactly over the HDMI source’s infrared sensor (with some equipment, this needs to be done very precisely). The exact position can be found easily by shining a torch on the front panel, searching for the IR sensor window.

**Please experiment with correct placement before final attachment of the IR LED .**

**The adhesive strip may cause discoloration on certain surfaces, or leave adhesive residues after removal.**

## Testing the IR return function

Once you have connected the IR cable according to the above description, it is recommended to test the function first.

Aim your remote control towards the IR on the front side of receiver and send a command. The command will be transferred from the receiver to the transmitter at the second location. The HDMI source should execute the command sent by your remote control.

### Connecting the USB extension.

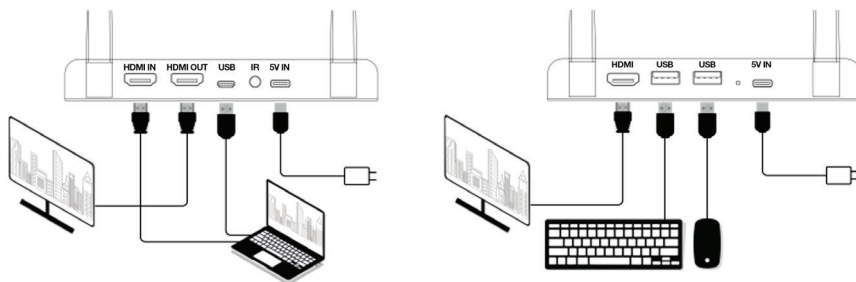
In addition to an infrared return feature, the 4K wireless HDMI extender also features a built-in USB extension function. This helps you to continue to operate connected HDMI sources, such as a Media Center PC or laptop, from another room, using a mouse and/or keyboard.

#### 1. To the HD transmitter

Using the included Micro USB cable, connect your PC or laptop to the Micro USB socket marked "USB" on the HD transmitter.

#### 2. To the HD receiver

Connect your mouse and/or keyboard to the connectors marked "USB" on the HD receiver.



### Testing the USB extension.

Once you have connected the Micro USB cable and your mouse/keyboard according to the above description, it is recommended to test the feature first.

Take your mouse/keyboard and use one of the functions.

The HD receiver will now send this function to the HD transmitter.

The HD transmitter will now forward this function to the Media Center PC or laptop.

The Media Center PC or laptop should now execute the function of your mouse/keyboard.

## Troubleshooting

### **Q1. No (or poor) image and sound on TV or projector**

Move the HD transmitter and the HD receiver in the same room to test if the connection works well, and please make sure all of below setting are correct.

1. Ensure that the power of the transmitter and receiver is properly connected. Ensure that all HDMI cables are connected properly or replace them.
2. Ensure that the HDMI source is turned ON and the correct HDMI input is selected on the TV.
3. Ensure that the HDMI source is set to a correct video resolution. If necessary, consult the user manual of your HDMI source.
4. Disconnect the power adapters from the wall socket and reconnect them to reboot the 4K wireless HDMI extender.

If the transmitter and receiver still no connection, please follow the below step for pairing.

1. Power on the transmitter.
2. Power on the receiver till it's on the main screen.
3. Press the receiver's reset button and hold for 5 seconds till the LED is flashing fast.
4. Wait around 30 seconds, the transmitter and receiver will be paired automatically.

## Troubleshooting (continued).

### **Q2. No or bad connection between the HD transmitter and HD receiver**

1. Move the HD transmitter and/or the HD receiver from the immediate vicinity of the connected HDMI sources and Wi-Fi equipment. These may affect the range.
2. Slightly adjusting the position of the HD transmitter and/or HD receiver may already help out.
3. Too much distance or obstacle between HD transmitter and HD receiver. Try using shorter distances.
4. Disconnect the power adapters from the wall socket and reconnect them to reboot the 4K wireless HDMI extender.

### **Q3. I do have picture, but no (or bad) sound**

The Wireless HD supports up to 2CH PCM stereo.

Check the audio setting in the settings menu of the connected HDMI source and manually set it to 2CH PCM stereo when the automatic setting does not work.

### **Q4. The IR blaster doesn't work**

1. Make sure to use the original remote control of the video source.
2. Please stick the IR emitter probe in the surface of IR window of the source device, if you are not sure the correct position of IR window of source device,
3. Please refer to the manual of source device.
4. Please point the remote control to the IR receiver probe within 5m.
5. The IR extender cable based on 20KHz-60KHz remote signal protocol, which support most of the IR remote in the market, for special standard or old remote may not supported.





Altronic Distributors warrants this product for one year from date of purchase from Altronics or its resellers to the consumer. If this item is part of an installation or another product, please contact the installer or supplier for your warranty.

During the warranty period, we undertake to repair or replace your product at no charge if found to be defective due to a manufacturing fault. The warranty excludes damage by misuse or incorrect installation (i.e. failure to install and operate device according to specifications in the supplied instruction manual), neglect, shipping accident, or no fault found, nor by use in a way or manner not intended by the supplier.

For repair or service please contact your **PLACE OF PURCHASE**.

If this item was purchased directly from Altronics please make a warranty claim by:

### **1. FOR MAIL ORDER CUSTOMERS (includes school and trade orders),**

- a) Calling your nearest store location and quoting your tax invoice number.
- b) Upon contacting Altronics, we will issue an R.A. (Return Authorisation). As Altronics have a number of service agents throughout Australia, a copy of the R.A. will be emailed, faxed or mailed to you with full instructions of how and where to send the goods. The freight for shipping goods back to Altronics for all repairs is at the customers expense.
- c) A copy of the R.A. form, (or at the very minimum, the R.A. number) must accompany the goods to effect the repair.
- d) Altronics will pay the return freight to the customer where the warranty claim has been accepted.
- e) Please quote the R.A. number in any correspondence to us.

### **2. FOR OVER THE COUNTER PURCHASES to make a warranty claim, please return the goods to us in any of our stores, with a copy of your proof of purchase (tax invoice).**

- a) Upon leaving the goods at one of our stores, an R.A. number will be issued to you.
- b) Once repaired, you will be contacted, advising that the goods are ready to be collected from the store.

It is at Altronics discretion as to whether the goods will be repaired or replaced (whilst under warranty); and as to whether identical goods will be used to replace the item due to changes of models / products.

Note: Under no circumstances should you attempt to repair the device yourself or via a non-authorised Altronics service centre, as this will invalidate the warranty!

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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