



**DIGITECH**  
Audio Visual

# 2.4GHz Wireless 1080p HDMI AV Sender



**User Manual**  
**AR-1905**

## Box Contents:



1 x HDMI Transmitter



1 x HDMI Receiver



1 x Infrared Emitter



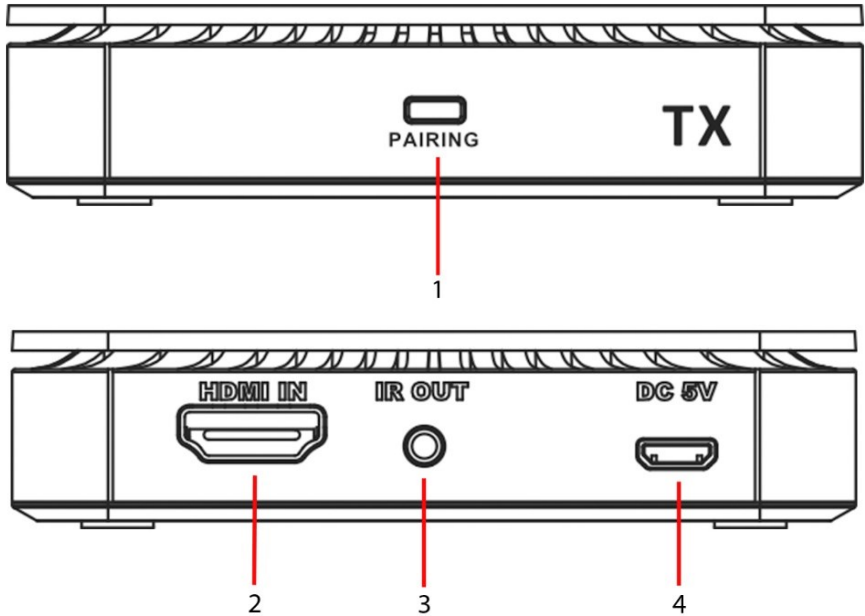
1 x Infrared Receiver



2 x Mains Power Adaptors

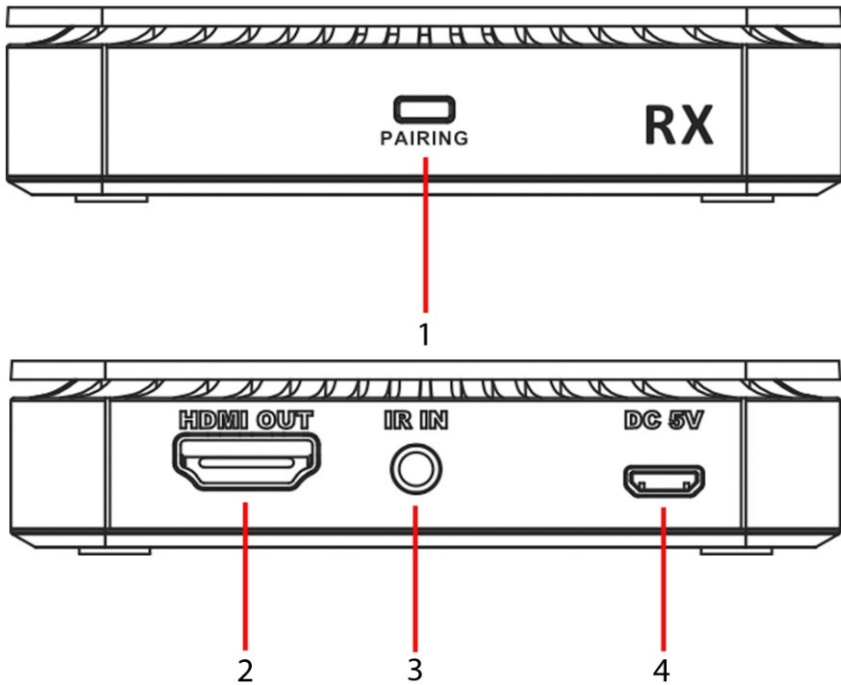
# Product Diagram:

## Transmitter:



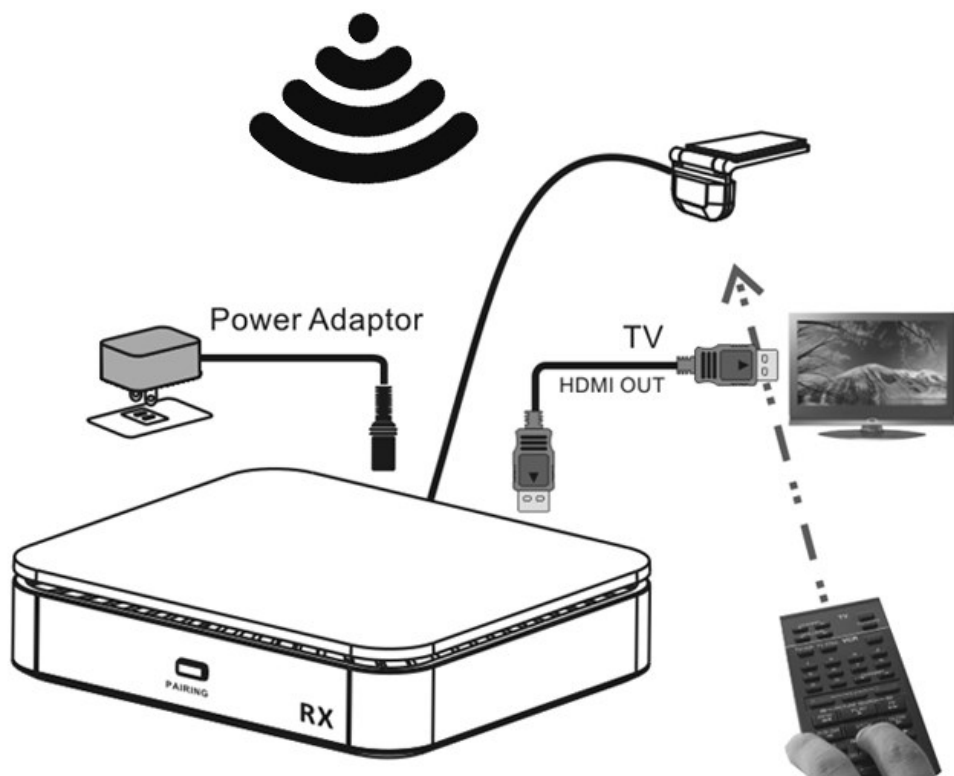
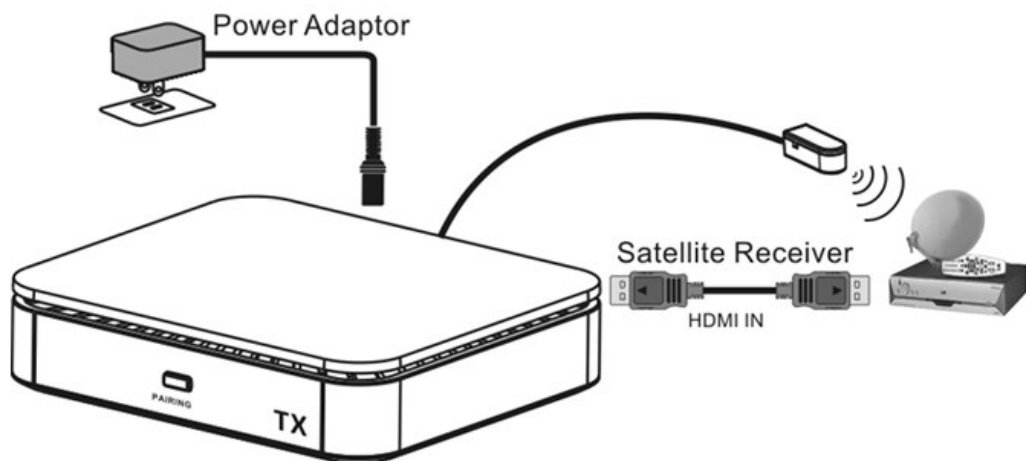
#	Feature:	Description:
1	Pairing Button	Press to pair with the receiver
2	HDMI Input	Connect to the HDMI source device
3	Infrared Output	Connect with the Infrared Emitter
4	USB Micro B Power Socket	Connect to the 5VDC mains power adaptor

# Receiver:



#	Feature:	Description:
1	Pairing Button	Press to pair with the transmitter
2	HDMI Output	Connect to a TV or Monitor
3	Infrared Input	Connect with the Infrared Receiver
4	USB Micro B Power Socket	Connect to the 5VDC mains power adaptor

# Connection Diagram:



# Operation:

## Transmitter:

1. Connect the USB micro B plug of the mains power adaptor to the USB micro B power socket of the transmitter. Plug the mains power adaptor in to a 240VAC wall socket and turn it on.

Note: This unit can be powered by a separate USB micro B cable to a USB port such as a TV or USB mains power adaptor capable of supporting 1A.

2. Connect a HDMI cable (not included) from your source device such as Pay TV, DVD player or media player to the HDMI input of the transmitter.

3. Connect the Infrared (IR) emitter cable to the IR Out socket located on the transmitter.

4. Peel off the 3M sticker located on the back of the infrared emitter and stick the emitter in front of the infrared port of your device such as Pay TV, DVD player or media player. The remote control of your device will still work even with the emitter placed over the top of the infrared port.

Please refer to your devices user manual if you're unsure of where the infrared port is located.

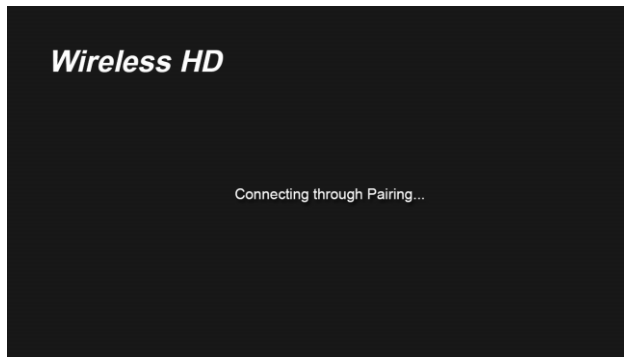
## **Receiver:**

1. Connect the USB micro B plug of the mains power adaptor to the USB micro B power socket of the receiver. Plug the mains power adaptor in to a 240VAC wall socket and turn it on.
2. Connect a HDMI cable (not included) from the HDMI output of the receiver to your TV or Monitor's HDMI input.
3. Connect the Infrared (IR) receiver cable to the IR In socket located on the receiver.
4. Peel off the 3M sticker located on the back of the infrared receiver and stick it in the front corner of your TV or your desired location. You will be able to use your original remote of your device to change channels, volume etc.
5. Once everything is connected and switched on, you will see the blue LED indicators light up and the video will be transmitting to your TV or monitor.

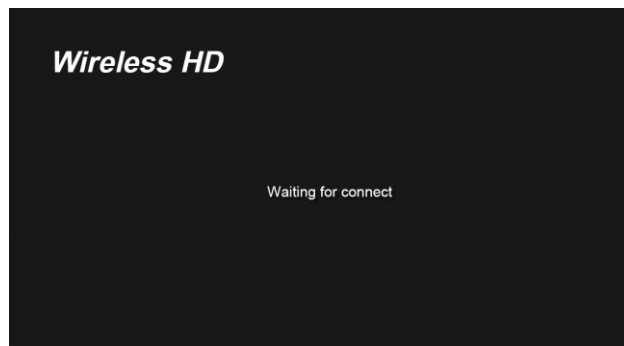
## Pairing:

The transmitter and receiver is already pre-paired; in any case that the unit has lost pairing then please use the following process:

1. Press and hold the pairing button of the receiver which is located on the front of the unit for up to 2 seconds. A message will now be displayed on the screen "Connecting through Pairing".

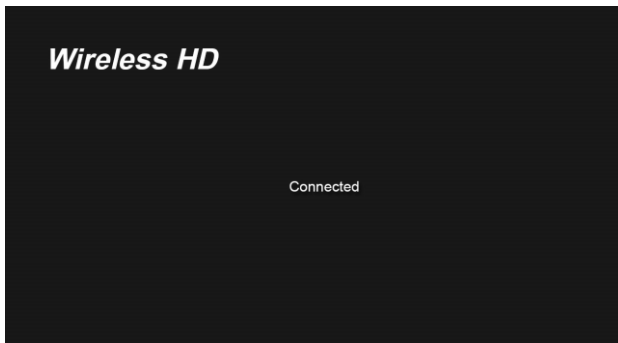


2. Press the pairing button of the transmitter which is located on the front of the unit for up to 2 seconds.





3. Connection now should be established and the word "Connected" will display on screen.



### **LED Status Indicators:**

<b>Red</b>	Starting Up
<b>Red Flashing</b>	Pairing Mode
<b>Blue</b>	Working / Connection Successful
<b>Blue Flashing</b>	No Connection / Waiting For Pairing

## Troubleshooting:

Problem	Solution
No video is displayed	Re-position the transmitter and receiver closer together as it may be out of range. Walls and solid objects will reduce the transmission range
	Check to see if your source device and TV's/monitors are all switched on
	Reconnect the HDMI cables on both the transmitter and receiver
	Reset the transmitter and receiver
	Check to see if the wireless connection LED is lit or flashing blue, flashing means there is no connection
	If you're using a USB cable to your TV or USB mains power adaptor, then it must be capable of 1A. The device may appear to be turned on but it will not fully transmit
	Press and hold the pairing button on the receiver for up to 2 seconds; then press the pairing button on the transmitter for up to 2 seconds
LED indicators keep flashing	Re-position the transmitter and receiver closer together as it may be out of range. Walls and solid objects will reduce the transmission range
	Reconnect the HDMI cables on both the transmitter and receiver
	Check if the source device and TV/monitors are all switched on

<b>Problem</b>	<b>Solution</b>
Image is flickering or unstable	Re-position the transmitter and receiver closer together as it may be out of range
	Reset the transmitter and receiver
	Reconnect the HDMI cables on both the transmitter and receiver
	Turn off any other 2.4GHz device near the device to avoid interference
No Sound	Please adjust the volume of the TV
	Check to see if the source device supports video transmission as it may not be transmitting sound
	Reconnect the HDMI cables on both the transmitter and receiver and restart the device
Will not change channels on the infrared remote	Reattach the infrared emitter over the infrared port of your source device. The position may not be directly in line with the infrared port of your device
	This device supports an infrared frequency of 36/38/56KHz, your device may not be compatible within this range. Refer to the manufacturers user manual of your device to confirm the infrared range
	Reconnect the infrared emitter to the HDMI transmitter and the infrared receiver to the HDMI receiver

## **FAQ:**

### **1. Q: Why am I only getting a short wireless distance?**

**A:** The transmission distance will be reduced when obstacles are in between the transmitter and receiver such as walls or solid objects.

### **2. Q: Can an additional HDMI receiver be connected?**

**A:** No; This unit operates on a point to point connection only.

### **3. Q: Can I power the units by USB cable to my TV?**

**A:** Yes; The TV's USB ports must be capable of 1A charging. Some older TV's may only support 500mA; in this case you will need to use the original power supply or a suitable 1A USB mains power adaptor.

## **Safety:**

1. Do not open or repair the device without professional assistance to avoid electrical shock.
2. Do not expose this unit to water, moisture or any liquids.
3. Position the unit in a well ventilated area to prevent the unit from overheating.
4. Only use the supplied 5VDC power adaptors.  
If you use any third party power supplies, ensure the voltage is the same to prevent the unit from damage.

## Specifications:

Wireless Frequency: 2.4GHz

Wireless Range: Up to 15m

HDMI: 1.3a

HDCP: 1.4

Resolution: 1080p (1920 x 1080) @ 50/60Hz

1080i (1920 x 1080) @ 50/60Hz

720p (1280 x 720) @ 50/60Hz

576p (720 x 576) @ 50Hz

576i (720 x 576) @ 50Hz

480p (640 x 480) @ 60Hz

480i (640 x 480) @ 60Hz

Audio: L/R Stereo Audio, PCM 2.0

Maximum Transfer Rate: 3Gbps

Latency:  $\leq 350$ ms

Infrared Frequency: 36/38/56KHz

Infrared Angle:  $-/+ 15^\circ$

Infrared Remote Distance: 0.3-5m

Power Consumption: 700mA (Transmitter)

500mA (Receiver)

Power: 5VDC, 1A (Micro B USB)

Dimensions: 88(W) x 75(D) x 20(H)mm (Each)

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