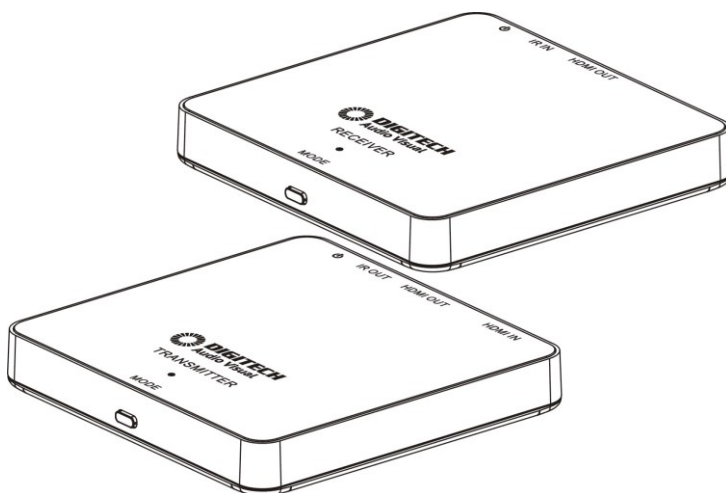**DIGITECH**
Audio Visual

Wireless 5Ghz HDMI AV Sender

AR-1915
User Manual

FEATURES AND CONTENTS

Features:
- Supports wireless transmission of HDMI up to 1080p
- Supports wireless transmission of 3D HDTV signals over HDMI
- Transmitter side includes HDMI pass-through output for simultaneous local viewing
- Less than 500ms low latency
- Supports IR extender function
- HDCP compliant
- Room to room HD wireless transmission
- Up to 30m Line of Sight long distance transmission
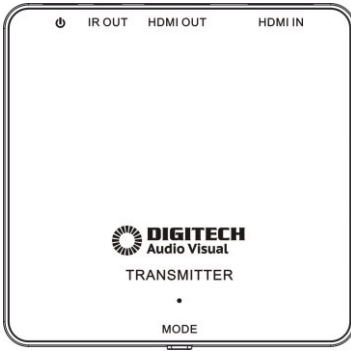- Low power consumption

Package Contents
- 1x AR-1915 Transmitter main unit
- 1x AR-1915 Receiver main unit
- 1x IR receiver probe
- 1x IR emitter probe
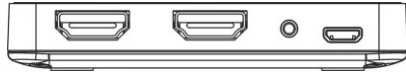- 2x DC 5V/1A power adaptor (Micro USB type)

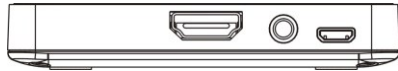## Transmitter Box
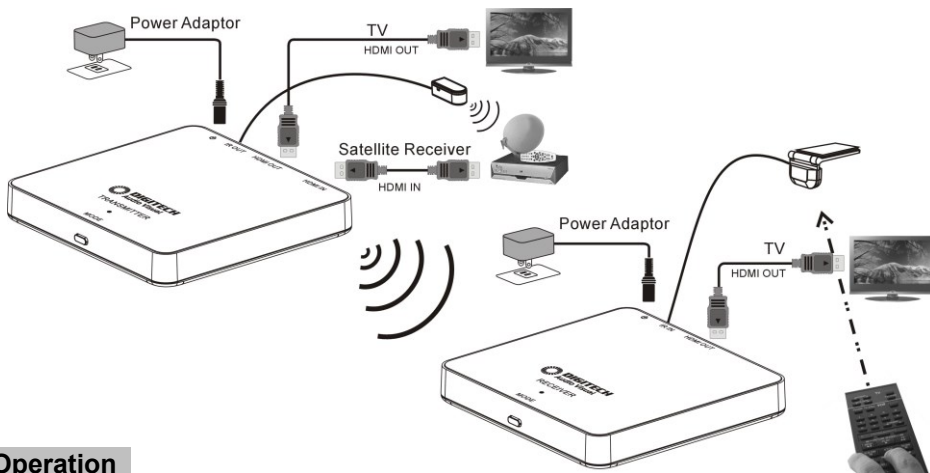
TOP

Front

Back

Receiver Box

TOP

Front

Back

Connection

Step 1: Use HDMI cable to connect the HDMI IN of AR-1915 Transmitter to a Source device (Satellite receiver, CATV STB, BD player, PS4, PS3, XBox), if you want to watch the source program at the same time, you can use another HDMI cable to connect from the HDMI OUT to display (HDTV).

Step 2: Use HDMI cable to connect the HDMI OUT of AR-1915 receiver to a display device (HDTV, Projector)

Step 3: Connect the IR emitter to the AR-1915 Transmitter. And then place the emitter probe in front of the source device's IR receiver.

Connect the IR receiver to the AR-1915 Receiver. And then place the receiver probe in front. (If you do not need the IR extending function, please skip step 3)

Step 4: Connect the DC 5V/1A power adaptor to the Power Jack (Micro USB type) of the AR-1915 Transmitter.

Step 5: Connect another DC 5V/1A power adaptor to the Power Jack (Micro USB type) of the AR-1915 Receiver.

Step 6: Connection completed & ready to use.

If there is no video signal on your display, pair the transmitter and receiver first. (Press the MODE key of the receiver box and then press the MODE key of the transmitter box).
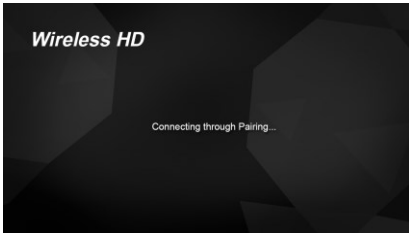

Operation

A. Installation

1. Make sure your input AC voltage conforms to the adaptor specifications.

2. Only use the power adaptor provided with the AR-1915. If you use your own adaptor, make sure the output connector is micro USB and the power output is DC 5V /1A.

3. With direct line-of-sight, the maximum range of A/V signal transmission can reach up to 30 metres, and this distance would be shortened by obstacles or walls placed between the transmitter and receiver. (The optimum indoor range is less than 30 metres)

4. To ensure good infrared remote control operation, aim your remote control at the IR Receiver Probe of the AR-1915 and press the buttons firmly. (With some remote controls it may be necessary to press and hold each button for about a second). The working angle of the IR Probe is +/- 15 degrees.
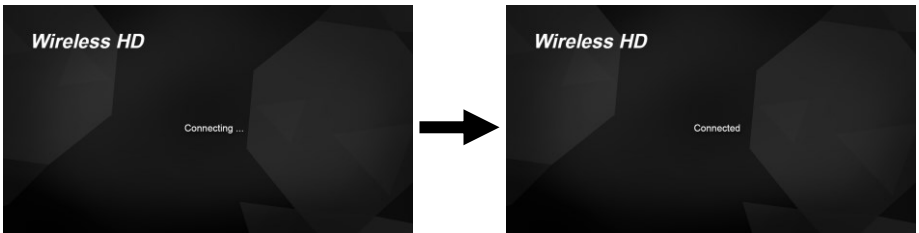
5. The remote controller has to be used within the distance of (from remote control to the receiver) not less than 0.3m and no more than 5m (working angle +/- 15 degrees).

B. Transmitter & Receiver Pairing MODE

1. First Press the "MODE" key once on the Receiver BOX.
2. You will see message "Connecting through Pairing ..." on your screen

3. Press the "MODE" key once on the transmitter BOX.
4. Connection will be auto-established after successfully paired.

LED Indication

There are LEDs and UI for indication of System operation, for more detail please check the table below.

Condition	Transmitter	Receiver	Receiver UI (TV)
Star up (Power on)	LED Solid RED	LED Solid RED	Startup image
Mode (pairing mode)	RED LED Flashing	LED solid Blue	Connection through pairing
No connection	Blue LED Flashing	LED solid Blue	Scanning
Connection & Play	LED solid Blue	LED solid Blue	Video

C. IR Extending Function

1. Make sure the IR Emitter Probe has been installed properly on the Transmitter.

2. Make sure the IR Receiver Probe has been installed properly on the Receiver.

3. Use the remote controller of your source device to control the source through the Receiver.

Note: To prevent overheating, please do not cover the AR-1915 Transmitter and Receiver with any object.

TROUBLE SHOOTING

1. When there is no picture present:
   - Make sure the direct connection from the source device to the sink device can work properly.
   - Check if all connectors are properly connected; check if all cables can support the transmission speed. High Speed HDMI cables are recommended.
   - Unplug the power cable to restart AR-1915.

2. When there is no sound:
   - Try adjusting the volume of TV.
   - Check the cable connection is fitted properly.
   - Check the cable to see if it supports video transmission only (DVI) or if it is damaged.
   - HDCP may not match very well at first connection; please unplug the power cable to restart AR-1915.

3. When there is no 3D effect, please:
   - Make sure 3D function of the 3D TV (or 3D DLP Projector) is activated (set to AUTO or 3D ON).
   - Make sure 3D function of the 3D source device is activated (set to AUTO or 3D ON).
   - Make sure the power of the shutter glasses is on.
   - Check the power of AR-1915.
   - If the 3D HDTV requires **active** shutter glasses for 3D viewing, please make sure the **active** shutter glasses match with the 3D TV.
   - If the 3D HDTV requires **passive** shutter glasses for 3D viewing, please make sure the **passive** shutter glasses can match with the 3D TV.

4. If the video is unstable, or snowing image shows on screen.
   - You may be getting interference from other wireless devices or heavy power consumption home appliances (e.g. Wi-Fi Router, Microwave, air conditioner…). Please keep the AR-1915 away from those sources of interference.
   - The wireless transmission distance may be too far or blocked by a wall or other object. Please place the AR-1915 at a different location where you can get a good signal and video quality.
   - Please change the direction of the Transmitter and Receiver to get better reception.

5. If the wireless connection fails.
   - Please make sure the power of the source device which you want to use is turned ON.
   - Unplug the power cable to restart the AR-1915.

6. If the IR extending function is not working.
   - Check if the IR Emitter Probe is connected to the AR-1915 Transmitter, and place the emitter probe in front of the source device's IR receiver.
   - The IR extending function of the AR-1915 can work with 30~60 kHz IR remote control system. Some IR remote control systems use other frequency, or the IR signal pulse is too short that will not work with the IR extending function.
   - **In case the IR function is not working due to interference, please re-plug the power of the transmitter again to reconnect automatically and function.**

7. If the transmitter side HDTV is normally playing the video with a connection to the "Loop Through" port but the receiver side HDTV has no signal:
   * Ensure the receiver side HDTV supports higher or equal resolution to the transmitter side HDTV, as the receiver side HDTV will follow the transmitter side HDTV's resolution. Therefore, please use a higher resolution HDTV at the transmitter side to ensure better video quality at the receiver side.

SPECIFICATIONS

WiFi Standard: TX: 2T1R(2x1) / RX: 1T2R(1x2) (IEEE 802.11n WLAN)

Frequency Range: WiVu : 5G

IR Return Range: Fullband 30~60 kHz

Channel Bandwidth: 20MHz / 40MHz

RF Power Output: 10dBm max. / Receive level -10dBm min.

Distance max. 30 meters line of sight (no walls)

Transmission Delay Max. 0.5 sec. latency

Antenna Diversity: Dual PCB Antenna for WiFi

Media Processor : H.264 compressing

Video / Audio Format TX: HDMI format

Resolution: 1080p/60

Wireless Protocol: WiVu

In /Out port: HDMI HDMI Type A 19-pin Female

HDMI Standard: HDMI 1.3a / HDCP 2.0

Power: Micro USB RX: 5V/1A / TX : 5V/1A