

digitech

Wireless HDMI™ Extender with IR



Model:
AR1921



R-NZ

Please read and save all instructions to ensure safe and effective use of this product.

Instruction Manual

PRODUCT DESCRIPTION

The Wireless HDMI™ Extender lets you extend HDMI™ audio/video signal up to 100meters (330 feet) via 5GHz band, with very low latency. The Wireless HDMI™ Extender includes both the Transmitter and Receiver, ideal for the point to point digital signal extension situations that require high quality HDMI™ video and some place which have the limitation to physical wire connection. It supports up to 4 displays to show one source content synchronously and resolutions up to 1080p. It also allows user to control source device from display side via source device's remote controller.

BOX CONTENTS

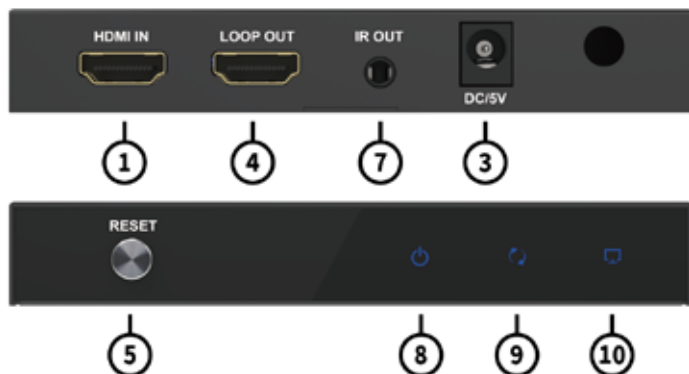
- 1 x Wireless HDMI Extender Receiver
- 1 x Wireless HDMI Extender Sender
- 1 x IR Receiver Cable
- 1 x IR Sender Cable
- 2 x Power Adapters
- User Manual

FEATURES

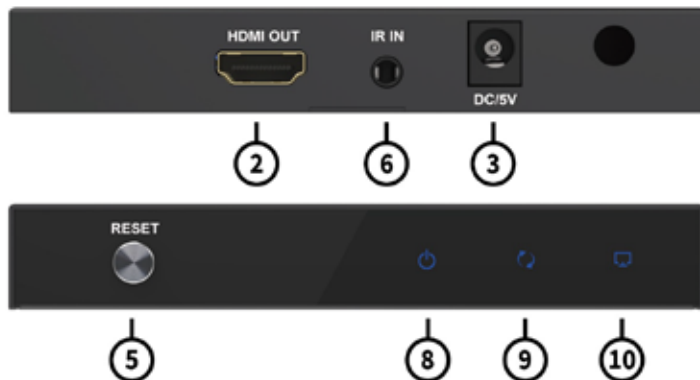
- Simple Plug and Play, no software installation required
- Support 5GHz single frequency wireless A/V transmission
- Wireless extension of HDMI up to 100 meters (330 feet) with no obstruction
- Compliant with HDCP1.3
- Support highest video resolution 1080p
- Support Point-to-Point and Multicast transmission (up to 4 receivers)
- Support infrared remote to control source device from the display side
- Support uncompressed audio such as LPCM
- Support audio sampling rate up to 48 KHz

PRODUCT OVERVIEW

TX

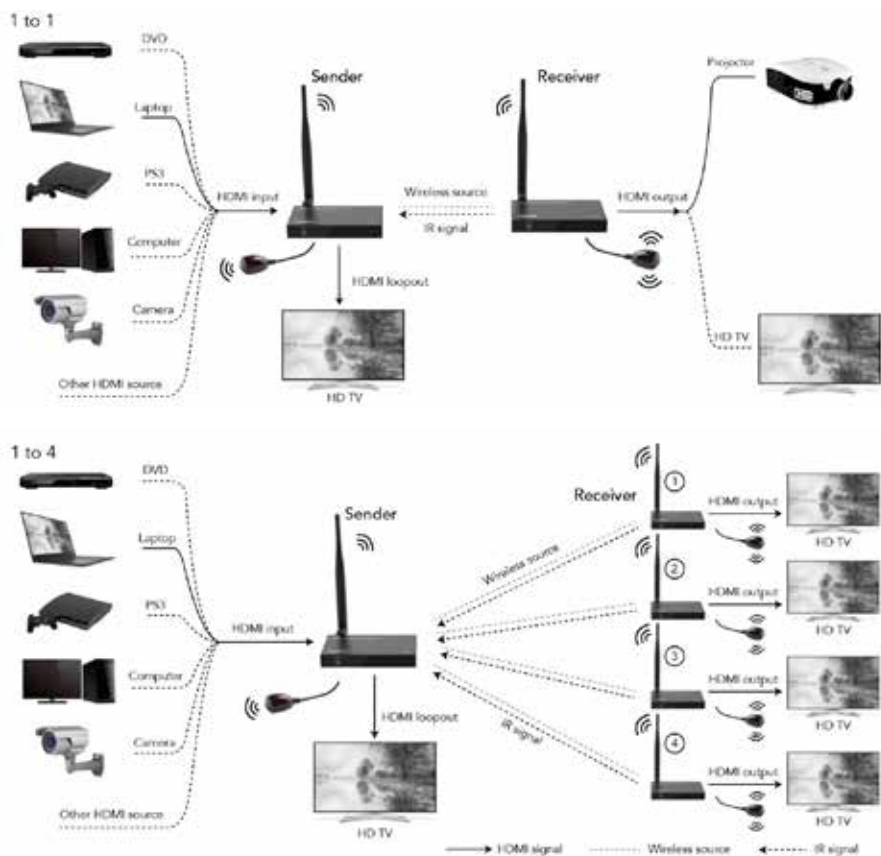


RX



1. HDMI IN: Connect to Input Sources via HDMI Male Input Port
2. HDMI OUT: Connect to Output Devices via HDMI Male Output Port
3. DC 5V: DC 5V In
4. Loop out: HDMI Loop Out Port for Local View
5. Reset: Long Press 10 Seconds to Reset, Short Click to Match the Sender and Receiver
6. IR IN: IR Signal Input Port
7. IR OUT: IR Signal Output Port
8. Power: Power LED Indicator
9. Link
No Connection: Keep Lighting on
Get Connection: Flash Quickly
10. Status
No Video Signal: Flash Slowly
Get Video Signal: Flash Quickly

CONNECTION DIAGRAM



PAIRING SENDER & RECEIVER

The set already has the Sender & Receiver paired at the factory. If you want to pair the Sender & Receiver again or add additional receivers, please follow the steps below:



Step 1: Install antennas for Sender & Receiver



Step 2: Start with the Sender unit first. 1) Press and hold the “RESET” button. 2) Now connect the external power supply unit that was previously plugged into the socket. Wait (and continued to hold the “RESET” button) until the status LED(10S) starts to flash rapidly. You can then press the “RESET” button, the Sender is now in pairing mode.

Repeat the process for the receiver unit(s) and put them into pairing mode as well.



Step 3: While the Sender and receiver are still in pairing mode (status LEDs flash quickly), you now need an HDMI connection cable (not included in the scope of delivery) to match the signal/ pair Sender and Receiver.



Step 4: Now connect “HDMI IN” of the Sender and “HDMI OUT” of the Receiver with the HDMI cable. (If necessary, repeat this step for other receivers in the same step.)



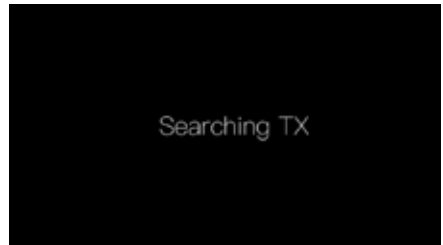
Step 5: Once the Sender and Receiver have been successfully connected (Step 3 & 4), the status LED stops flashing and lights up permanently, which means that the signal has been successfully matched/ the Sender and Receiver(s) have been paired.



Step 6: Now briefly disconnect the Sender & Receiver from the power supply (unplug the power supply unit for 3-5 seconds)



Step 7: Now reconnect the power supply (power supply units) and connect your HDMI cables (HDMI IN Sender-> HDMI source device & HDMI OUT Receiver-> monitor/TV) to the source device and display(s).



Step 8: Your display(s) will now show "Searching TX" for about 5-35 seconds (the time for the signal to build up varies depending on the local conditions)



Step 9: Sender & Receiver now connect to start wireless transmission-> the content of the signal source is shown on the display(s)

TROUBLESHOOTING

PROBLEMS	CAUSES	SOLUTIONS
No picture out after correct connection at one room	Maybe the sender and receiver have not yet matched the connection.	Follow the matching steps to match the signal of the Sender and Receiver.
No picture after correct connection (Sender, receiver in different rooms)	The distance may not reach the specified maximum distance per connection constellation due to signal loss when passing through walls	When passing through a solid wall (less than 30cm thick), the signal will lose approx.30% of the original signal = the transmission distance is shortened. When crossing two or more walls, the distance is shortened further (<20m for 1 to 1 connection). Check the distance and shorten it if necessary.
The image is not stable or the distance is shorter than specified in the description	There may be some sources of interference in the same frequency band at 5GHz that affect the signal transmission of the extender	Please position the Sender and Receiver closer together or, if necessary, remove possible sources of interference that transmit on the same 5GHz frequency band from the room

SPECIFICATIONS

Input Port	HDMI x 1
Output Port	HDMI x 1, LOOP OUT x 1
Wireless Extension Distance	1 to 1 connection: up to 100m, 1 to 2 connection: up to 75m 1 to 3 connection: up to 40m, 1 to 4 connection: up to 25m
Signal Compressing Latency	150-200ms
Wireless Extensions Distance	100m(330 feet) for 1080p
Frequency Band Range	5GHz
Wireless Standard	802.11a
Vertical Frequency Range	50/60Hz
Compress Formats	H.265
IR Frequency Range	20-60KHz
Progressive Resolutions(50&60Hz)	480p,576p,720p,1080p
Limited Warranty	1 Year Parts and Labor
Operating Temperature	0°C to 50°C
Storage Humidity	5% to 90% RH non-condensation
Power Supply	DC 5V
Power Consumption (Max)	TX: 3W, RX: 1.5W
Dimension(LxWxH)	118x63.5x18mm
Net Weight	TX:172g, RX:170g
Material	Metal

Note: Specifications are subject to change without notice.

FREQUENCY RANGE

WiFi Standard: 802.11a
Channel: 153
Core frequency: 5765 MHz
Range: 5.755GHz ~ 5.775GHz
Bandwidth: 20MHz
Transmission power: 13.0dBm max.
SW (software) Version: TX: V_H08_I07_C07_P07_wifi6 / RX: V_R04_C05_I07_P07_WIFI6
HW (hardware) Version: TX: V1.0/ RX: V1.0

WARRANTY INFORMATION

Our product is guaranteed to be free from manufacturing defects for a period of 12 Months.

If your product becomes defective during this period, Electus Distribution will repair, replace, or refund where a product is faulty; or not fit for intended purpose.

This warranty will not cover modified product; misuse or abuse of the product contrary to user instructions or packaging label; change of mind and normal wear and tear.

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 failure does not amount to a major failure.

To claim warranty, please contact the place of purchase. You will need to show receipt or other proof of purchase. Additional information may be required to process your claim.

Any expenses relating to the return of your product to the store will normally have to be paid by you.

The benefits to the customer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods or services to which this warranty relates.

This warranty is provided by:

Electus Distribution

Address 46 Eastern Creek Drive, Eastern Creek NSW 2766

Ph. 1300 738 555



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