Vrriis WL010

Vrriis Wireless HDMI Extender Receiver (RX Only) User Manual

Model: WL010 | Brand: Vrriis

1. Introduction

This manual provides detailed instructions for the Vrriis WL010 Wireless HDMI Extender Receiver (RX Only). This device is designed to receive wireless HDMI signals from a compatible Vrriis Wireless HDMI Extender Transmitter (TX unit, sold separately) and output them to a display. It supports multi-receiver setups, allowing a single TX unit to transmit to multiple RX units for extended display distribution.

Note: This product is an RX (Receiver) unit only. A compatible TX (Transmitter) unit is required for operation. For a complete system, please refer to the product listing for the TX unit or the combined TX/RX package.

2. What's in the Box

- Receiver (RX) Unit x 1
- USB C Cable x 1
- Power Adapter x 1
- Antenna x 2
- Infrared (IR) Cable x 1

3. Product Overview and Features

The Vrriis WL010 Wireless HDMI Extender Receiver is designed for reliable and high-quality wireless video

transmission. Key features include:

- **Multi-Receiver Support:** Supports up to 4 RX units per 1 TX unit. Transmission distances vary based on the number of connected RX units: 1 TX to 1 RX (250m/820ft), 1 TX to 2 RX (230m/755ft), 1 TX to 3 RX (210m/689ft), 1 TX to 4 RX (190m/623ft). Distances are line-of-sight.
- **5.8G High-Speed Transmission:** Utilizes dual antennas and 5.8G frequency for strong, stable, and long-distance signal transmission.
- **IR Remote Control:** Allows remote control of the source device from the RX side by pointing the remote at the IR head connected to the RX unit.
- **Low Latency:** Features approximately 0.12s wireless transmission latency, suitable for presentations and video playback. Not recommended for real-time gaming.
- **Full HD 1080P @ 60Hz Support:** Supports various resolutions including 1080p@50Hz/60Hz/24Hz/25Hz/30Hz, 720p@50Hz/60Hz, 576i@50Hz, and 480p@60Hz.
- **Wide Compatibility:** Compatible with a variety of HDMI source devices such as set-top boxes, DVRs, laptops, projectors, TVs, monitors, Blu-ray players, AV receivers, and cable/satellite boxes.
- **Plug & Play:** Simple setup with no complex wiring or software installation required.

Image: The Vrriis Wireless HDMI Extender Receiver (RX Only) unit, featuring two antennas and an HDMI output port.

Image: Illustration highlighting the dual antenna design and 5.8G frequency for strong, stable, and long-distance wireless transmission.

Image: Diagram showing the wireless connection between a Transmitter (TX) and Receiver (RX) unit, illustrating compatibility with devices like PS4, Xbox, DVD/Blu-Ray players, Set Top Boxes, and PCs/Laptops, and output to Projectors, Monitors, or TVs.

4. Setup Instructions

4.1 Pairing a New RX Unit with a TX Unit

When adding a new RX unit or setting up for the first time, the RX unit must be paired with the TX unit. Follow these steps:

1. Power up both the RX and TX units using their respective 5V2A power adapters.
2. Connect the new RX unit's "HD OUT" port to the TX unit's "HD IN" port using an HDMI cable.
3. Wait for approximately 30 seconds. Observe the indicator LED on the TX unit. If it changes to a green flashing light, and then after 5 more seconds, it indicates successful pairing of the new RX unit to the TX unit.
4. Once paired, disconnect the HDMI cable and proceed with normal connection.

Image: Visual guide for pairing a new RX unit with a TX unit, showing the HDMI cable connection between the TX's HD IN and RX's HD OUT ports during the pairing process.

4.2 Connecting the RX Unit for Operation

1. Ensure the RX unit is paired with your TX unit (refer to Section 4.1).
2. Connect the two antennas to the antenna ports on the RX unit.
3. Connect one end of an HDMI cable to the "HD OUT" port of the RX unit.
4. Connect the other end of the HDMI cable to the HDMI input of your display device (e.g., TV, monitor, projector).
5. Connect the provided power adapter to the RX unit's power input and plug it into a power outlet.
6. If using the IR remote control feature, connect the IR cable to the IR port on the RX unit and position the IR emitter head towards your source device (connected to the TX unit).

5. Operation

5.1 General Usage

Once the RX unit is properly connected and powered on, and the TX unit is transmitting, the RX unit will automatically detect the signal and display it on the connected screen. Ensure both units are within the effective transmission range and have a clear line of sight for optimal performance.

Image: Illustration demonstrating the capability of connecting up to 4 RX units to a single TX unit, with a table showing how transmission distance decreases as more RX units are added (e.g., 1 TX to 1 RX at 200m, 1 TX to 4 RX at 20m, note: distances in image differ slightly from product description).

5.2 IR Remote Control

The RX unit supports IR remote control functionality, allowing you to control your source device (connected to the TX unit) from the location of your display. To use this feature:

1. Ensure the IR cable is connected to the RX unit's IR port.

2. Position the IR emitter head (connected to the TX unit) directly in front of the IR receiver window of your source device (e.g., set-top box, DVD player).
3. Point your source device's remote control at the IR head connected to the RX unit. The signal will be transmitted wirelessly to the TX unit and then to your source device.

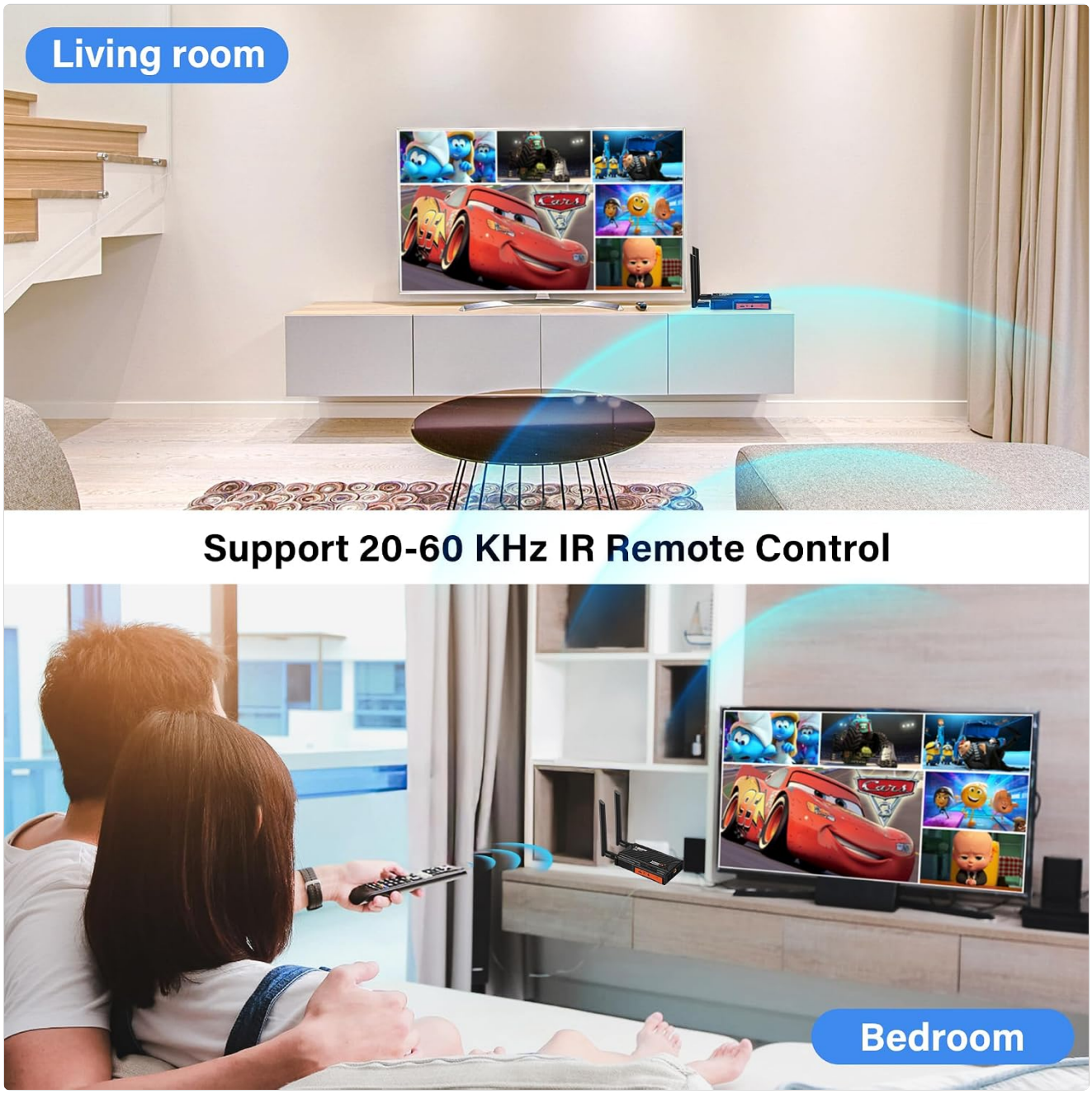

Image: Depiction of the IR remote control feature, showing a user controlling a source device in another room via the wireless extender system.

5.3 Audio Separation

The RX unit allows for audio separation. You can receive audio signals from the HDMI stream and output them via the AMS port on the RX unit. This is useful for monitoring live sound, for example, when receiving signals from cameras.

Image: A user wearing headphones connected to the RX unit, demonstrating the audio separation feature via the AMS port for monitoring sound from the HDMI signal.

6. Maintenance

To ensure the longevity and optimal performance of your Vrriis Wireless HDMI Extender Receiver, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the unit has adequate ventilation. Do not block any ventilation openings.
- **Environment:** Keep the unit away from excessive heat, humidity, and direct sunlight. Avoid placing it in dusty environments.
- **Power:** Disconnect the power adapter when the unit is not in use for extended periods.

7. Troubleshooting

If you encounter issues with your Vrriis Wireless HDMI Extender Receiver, refer to the following common problems and solutions:

7.1 Receiver Screen Shows "Searching TX....."

This indicates that the RX unit is not receiving a signal from the TX unit.

- **Check Power:** Ensure the TX unit is powered on and connected properly.
- **Transmission Distance:** Verify that the TX and RX units are within the specified transmission distance. Remember that obstacles like walls, bricks, or glass can significantly shorten the effective range or cause signal loss.
- **Obstacles:** Minimize obstacles between the TX and RX units. Try to enhance the installation and placement of wireless devices to ensure optimal signal reception.
- **Pairing:** Confirm that the RX unit is correctly paired with the TX unit. If it's a new RX or has been reset, re-pair it according to Section 4.1.

7.2 IR Remote Control Has No Response

If the IR remote control function is not working:

- **IR Cable Connection:** Check if the IR head is inserted correctly into the RX unit's IR port. Ensure the logo on the IR head is facing the correct direction.
- **IR Emitter Placement:** Make sure the IR emitter head (connected to the TX unit) is directly facing the IR receiver window of your source device.
- **IR Frequency:** Confirm that the infrared frequency of your remote control is within the controllable range of 20KHz-60KHz.

Image: A visual Q&A section addressing common issues like 'Receiver Screen shows "searching TX....."' and 'IR remote control has

no response?', providing solutions and visual aids for signal strength and IR setup.

7.3 No Signal or Poor Signal Quality

- **Antenna Connection:** Ensure both antennas are securely attached to the RX unit.
- **Interference:** Wireless performance can be affected by other 5.8Ghz devices or strong electromagnetic interference. Try relocating the units or reducing other wireless activity.
- **Line of Sight:** Maintain as clear a line of sight as possible between the TX and RX units. Walls, furniture, and even people can degrade the signal.
- **Distance:** Verify that the distance between the TX and RX units does not exceed the maximum specified range for your setup (e.g., 190m for 1 TX to 4 RX).

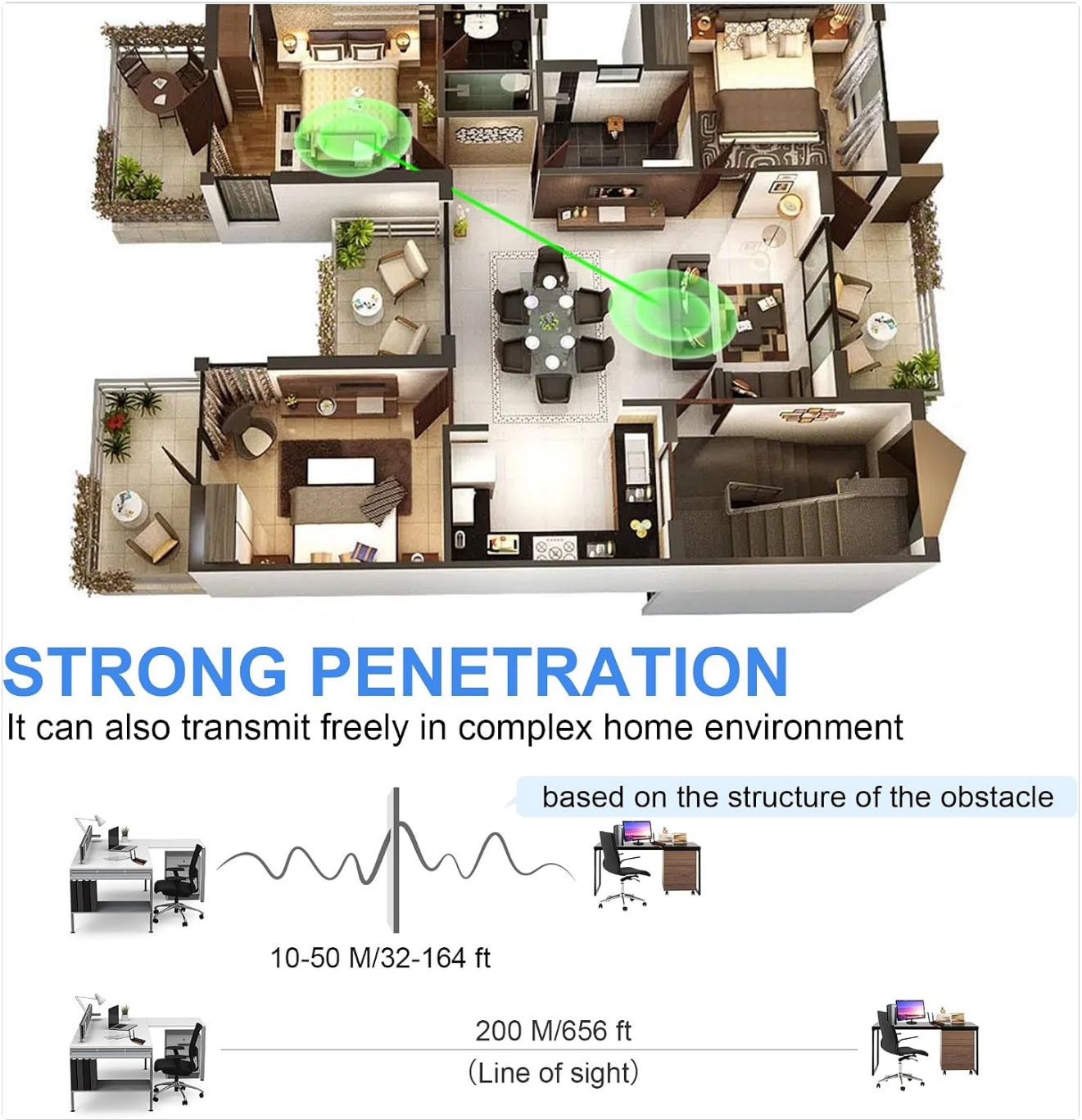

Image: Diagram illustrating how wireless signals can penetrate obstacles, showing reduced effective range when passing through walls (e.g., 10-50m through obstacles vs. 200m line of sight).

8. Specifications

Feature	Specification
Product Dimensions	4.74 x 2.73 x 0.94 inches
Item Weight	0.205 ounces
Model Number	WL010
Brand	Vrriis
Connectivity Technology	Infrared (for remote control pass-through)
Special Feature	Multiroom (Multi-RX support)
Compatible Devices	Television, Camera, Laptop (as display/source for TX)
Total HDMI Ports	3 (This refers to the system's total, RX has 1 HD OUT)
Connector Type	HDMI
Audio Output Mode	Stereo (via AMS port)
Surround Sound Channel Configuration	4.0
Video Encoding	H.263
Color	Orange

9. Warranty and Support

Our products are backed with a **1-year limited warranty** from the date of purchase. If you have any questions, concerns, or require technical assistance, please contact Vrriis customer support. You can typically find contact information by clicking on the 'Vrriis' brand name in the product listing and selecting 'Ask a Question' or by visiting the official Vrriis website.

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question