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Vrriis WL082

Vrriis WL082 Wireless HDMI Transmitter and Receiver Instruction Manual

Model: WL082 | Brand: Vrriis

INTRODUCTION

The Vrriis WL082 Wireless HDMI Transmitter and Receiver system provides a high-definition wireless video transmission solution. This system is designed to extend 1080P Full HD HDMI signals over long distances with minimal latency, making it suitable for various applications including streaming from DSLRs, laptops, and set-top boxes to TVs or projectors. It supports dual-band 2.4/5G high-speed transmission and features convenient options like HDMI loop out and IR remote control support.



Image: The Vrris WL082 Wireless HDMI Transmitter (TX) and Receiver (RX) units.

WHAT'S IN THE BOX

Please verify that all items listed below are included in your package:

- Transmitter (TX) x 1
- Receiver (RX) x 1
- USB C Cable x 2
- Adapter x 2
- User Manual x 1

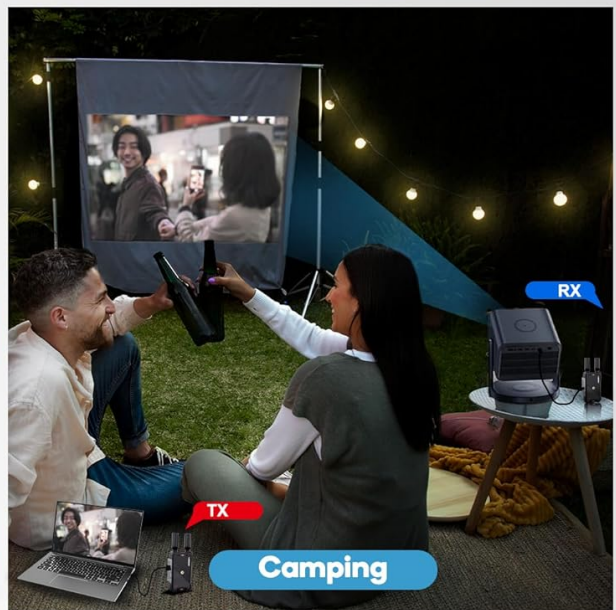
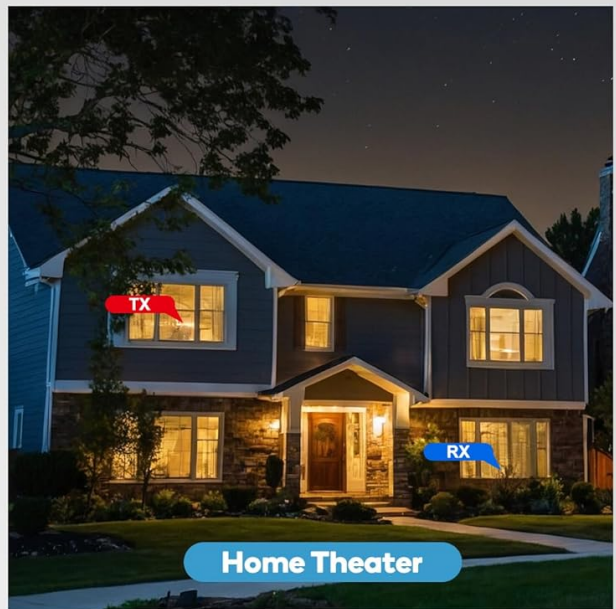


Image: A visual representation of all components included in the Vvriis WL082 Wireless HDMI Extender Kit.

SETUP

1. Powering On and Initial Connection

1. Connect the provided USB-C cables to the 5V/2A power ports on both the Transmitter (TX) and Receiver (RX) units. Plug the adapters into a power source. The indicator light on both units will turn on, indicating they are powered.
2. Prepare an HDMI cable.
3. Connect one end of the HDMI cable to the HDMI IN port of the Transmitter (TX).
4. Connect the other end of the HDMI cable to the HDMI OUT1 port of the Receiver (RX).
5. After connecting, wait a few seconds. The indicator light on both units will flash to confirm successful pairing.
6. Unplug the power cables from both the transmitter and receiver.

7. Unplug the HDMI cable connecting the transmitter and receiver. The units are now paired and can be used normally.

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Video: Step-by-step guide on how to pair the Vrrris WL082 Wireless HDMI Transmitter and Receiver units.

2. Antenna Installation

Each unit (Transmitter and Receiver) is equipped with two antenna ports. Screw the provided antennas onto these ports to ensure optimal signal transmission and reception.



Image: The Transmitter and Receiver units with their antennas properly installed for operation.

3. Power Options

The WL082 system offers flexible power options:

- **USB C + Adapters:** Use the included 5V/2A USB-C cables and adapters for standard wall power.

- **Power Bank:** For portable use, the units can be powered by a 5V/2A portable rechargeable power bank (not included).
- **NP-F Series Batteries:** The units support NP-F Series batteries (F970, F750, F550) for extended wireless operation (batteries not included).

MULTIPLE POWER SUPPLY OPTIONS

Each unit can support power input from an NP-F (**NP-F970/F750/F550** batteries) battery or **5V2A** USB power source/Power Bank



Image: Visual guide to the various power supply methods for the Vrris WL082, including USB-C, power bank, and NP-F batteries.

OPERATING INSTRUCTIONS

1. Basic Connection and Transmission

After successful pairing, connect your HDMI source device (e.g., DSLR, laptop, set-top box) to the HDMI IN port of the Transmitter (TX). Connect your display device (e.g., TV, projector, monitor) to the HDMI OUT port(s) of the Receiver (RX). The system will automatically establish a wireless connection, transmitting 1080P Full HD video with low latency.

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Video: An overview of the Vvriis Wireless Video Transmission System, highlighting its features and basic operation.

2. HDMI Loop Out and Dual HDMI Output

The Transmitter (TX) unit features an HDMI Loop Out port, allowing you to connect a local monitor to view the source content simultaneously with the wireless transmission. The Receiver (RX) unit provides dual HDMI outputs (HDMI OUT1 and HDMI OUT2), enabling connection to two separate display screens at the same time for convenient monitoring or multi-display setups.

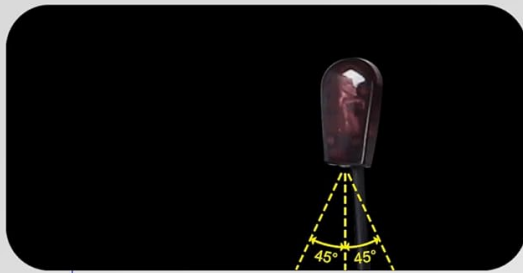


Image: The HDMI Loop Out on the transmitter and dual HDMI outputs on the receiver for flexible display options.

3. IR Remote Control Support

The system supports IR pass-back functionality, allowing you to control your HDMI source device remotely. Connect the included IR cable to the IR port on the Transmitter (TX) and position the IR head near the infrared area of your source device. Use your source device's remote control from the receiver location to send commands.

SUPPORT IR PASS-BACK WITH 20-60KHZ FREQUENCY



Receiver Bed Room

Allows you to control the source device at the receiver



Not Include



Transmitter Living Room

IR Extension Cable
Infrared head directly near the infrared area
of the device



Image: Setup for IR pass-back, enabling remote control of the source device from the receiver's location.

4. Multi-Receiver Setup (1 Transmitter to 5 Receivers)

The Vriis WL082 system can support up to 5 receivers with a single transmitter. This allows for multiple displays to receive the same video signal simultaneously. Note that as the number of receivers increases, the wireless transmission distance may decrease. Each additional receiver must be paired with the original transmitter before use.

Support Up to 5 RXs

Additional receivers need to be paired with the original transmitter before they can be used.



Image: A visual representation of one transmitter (TX) broadcasting to multiple receivers (RXs) in a stadium setting.

MAINTENANCE

To ensure the longevity and optimal performance of your Vvriis WL082 Wireless HDMI system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the units. Avoid using liquid cleaners or aerosols, as they may damage the device.
- **Storage:** When not in use, store the units in a cool, dry place, away from direct sunlight and extreme temperatures. The included carry case is ideal for protection during storage and transport.
- **Cable Care:** Handle HDMI and power cables carefully. Avoid bending them sharply or placing heavy objects on them, which can cause internal damage.
- **Antennas:** Ensure antennas are securely attached during operation and removed or protected during transport to prevent damage.

TROUBLESHOOTING

If you encounter issues with your Vrrris WL082 system, please refer to the following common troubleshooting steps:

- **No Signal/Poor Signal:**

- Ensure both Transmitter (TX) and Receiver (RX) units are powered on and their indicator lights are active.
- Verify all HDMI cables are securely connected to the correct ports (HDMI IN on TX, HDMI OUT on RX).
- Check for obstructions between the TX and RX units. Walls, metal, bricks, or glass can significantly reduce signal strength and range. Try repositioning the units for a clearer line of sight.
- Confirm that the display device is set to the correct HDMI input source.

- **Pairing Issues:**

- Follow the initial pairing steps precisely as described in the Setup section.
- Ensure both units are powered on during the pairing process.
- If pairing fails, try resetting both units using the reset button (requires a paperclip) and repeat the pairing process.

- **No IR Remote Control:**

- Ensure the IR cable is correctly plugged into the IR port on the Transmitter (TX).
- Position the IR emitter head directly in front of the IR sensor of your source device.
- Check that your source device's remote control batteries are functional.

- **Audio/Video Sync Issues:**

- While the system is designed for low latency (0.05s), ensure there are no excessive wireless interferences.
- Try reducing the distance between the transmitter and receiver.

SPECIFICATIONS

Feature	Specification
Product Dimensions	10 x 6 x 3 inches
Item Weight	1.85 pounds
Item Model Number	WL082
Connectivity Technology	HDMI
Controller Type	IR Remote Control

Special Features	Dual HDMI OUT, Infrared Expansion, Multiple Power Supplies, Multiroom
Compatible Devices	Camera, Projector, Television
Total HDMI Ports	4 (2 on TX, 2 on RX)
Audio Output Mode	Stereo
Surround Sound Channel Configuration	2.0
Video Encoding	AVI/MPEG/DivX/MOV/ASF/WMV/RMVB/QuickTime
Transmission Range	Up to 1300ft (400m) in open field without interference
Resolution	HD 1080p @60Hz
Latency	0.05s

WARRANTY AND SUPPORT

For any questions or concerns regarding your Vvriis WL082 Wireless HDMI Transmitter and Receiver, please contact customer support. Vvriis offers professional customer support to assist with product inquiries and technical assistance.

Protection plans are available for purchase to extend coverage beyond the standard warranty. These plans offer additional peace of mind for your investment.

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect: One plan covers all eligible past and future purchases.

For direct support, please refer to the contact information provided in your product packaging or visit the official Vvriis store on Amazon.