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## Vrriis 900S

# Vrriis 900S Wireless Video Transmission System User Manual

Model: 900S

Brand: Vrriis

## 1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Vrriis 900S Wireless Video Transmission System. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your product package. If any items are missing or damaged, please contact Vrriis customer support.

- Transmitter (TX) x 1
- Receiver (RX) x 1
- USB-C Cable x 2
- Power Adapter x 2
- Antenna x 4
- Infrared (IR) Cable x 2

## 3. PRODUCT OVERVIEW

The Vrriis 900S is a high-performance wireless video transmission system designed for professional and enthusiast use. It offers reliable 1080p video and audio transmission with ultra-low latency, making it suitable for various applications including outdoor shooting, live broadcasts, and presentations.

### 3.1 Key Features

- **0.06S Low Latency:** Ensures minimal delay between source and display, crucial for real-time monitoring.
- **820FT (250M) Transmission Range:** Provides extensive line-of-sight coverage for flexible setups.
- **Full HD 1080p @60Hz Support:** Delivers high-quality video and audio for excellent visual enjoyment.

- **Local Loop-out:** Allows simultaneous monitoring at the transmitter end.
- **IR Return Functionality:** Enables remote control of the source device from the receiver end.
- **One-to-Many Support:** Connects one transmitter to up to four receivers (additional receivers sold separately).
- **Dual Antenna, Dual-Band Transmission:** Utilizes 2.4GHz & 5.8GHz frequencies for strong, stable, and reliable signal transmission, capable of passing through walls within a certain range.
- **Multiple Power Options:** Compatible with NP-F Series batteries (F970, F750, F550), 5V2A Type-C adapters, and 5V2A portable rechargeable power banks.

### 3.2 Component Identification



Figure 1: Front and back view of the Vrris 900S Transmitter and Receiver units. The front shows the Vrris logo and a carbon fiber texture, while the back reveals the battery plate, ports, and indicator lights.



Figure 2: Diagram illustrating the local loop-out feature, showing the transmitter connected to both a source device and a local display.



Figure 3: Diagram demonstrating the IR pass-back functionality, allowing remote control of the source device from the receiver's

location.



Figure 4: Visual representation of compatible devices such as PCs, DSLRs, Laptops, STBs, Projectors, Monitors, and TVs, along with setup examples for the transmitter and receiver.



Figure 5: Illustration of the three power supply options: 5V2A adapter, NP-F series batteries (F970, F750, F550), and 5V2A portable charger power supply.

## 4. SETUP INSTRUCTIONS

### 1. Powering the Units:

- Connect the Transmitter (TX) and Receiver (RX) to a 5V2A power adapter using the provided USB-C cables. The red light on the units will illuminate, indicating power.
- Alternatively, attach a compatible NP-F series battery (F970, F750, F550) to the battery plate on the back of each unit. Ensure the battery is securely latched.
- For portable use, connect a 5V2A portable rechargeable power bank to the USB-C port.

### 2. Connecting the Transmitter (TX):

- Connect your HDMI source device (e.g., PC, DSLR, Laptop, STB) to the **HD IN** port on the Transmitter using an HDMI cable.
- (Optional) For local monitoring, connect an HDMI cable from the **Loop-out** port on the Transmitter to a local display (e.g., monitor, TV).
- (Optional) If using IR remote control, connect the IR cable to the IR port on the Transmitter and position the IR emitter near the IR receiver of your source device.

### 3. Connecting the Receiver (RX):

- Connect an HDMI cable from the **HD OUT** port on the Receiver to your display device (e.g., TV, Projector, Monitor).
- (Optional) If using IR remote control, connect the IR cable to the IR port on the Receiver and position the IR receiver in a location where your remote control can easily send signals to it.

### 4. Attaching Antennas:

- Screw the four provided antennas securely onto the antenna ports of both the Transmitter and Receiver units. Ensure they are tightened but do not overtighten.



Figure 6: The Transmitter and Receiver units with antennas attached, ready for operation.

## 5. OPERATING INSTRUCTIONS

- 1. Power On:** Once all connections are made and power is supplied, the units will automatically power on. The indicator lights will show their status.
- 2. Pairing:**
  - The Transmitter and Receiver units are typically pre-paired from the factory. Upon powering on, they should automatically establish a connection.

- If pairing is not successful, press and hold the reset button on both the Transmitter and Receiver for 2 seconds. The light will turn green when pairing is successful. Repeat if necessary.

### 3. Signal Transmission:

- Ensure your HDMI source device is powered on and outputting a signal.
- The display connected to the Receiver should now show the video and audio from your source device.
- For optimal performance, ensure a clear line of sight between the Transmitter and Receiver. While the system can transmit through walls, performance may vary depending on wall materials and thickness.

### 4. IR Remote Control (Optional):

- With the IR cables connected as described in the setup section, you can use your source device's remote control from the receiver's location. Point the remote at the IR receiver connected to the RX unit. The signal will be transmitted back to the TX unit and then to your source device.

### 5. One-to-Many Mode:

- To use multiple receivers (up to 4), simply power on and pair each additional receiver with the single transmitter.
- Note that adding more receivers may slightly reduce the maximum transmission distance.

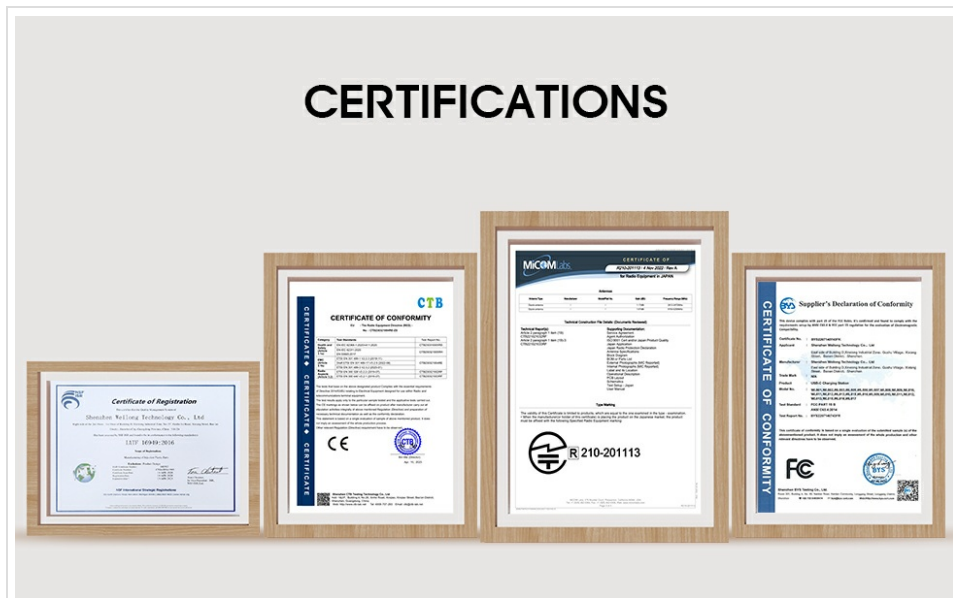


Figure 7: Quick matching guide for the Vvriis 900S system, detailing the pairing process.

## 6. MAINTENANCE

- Keep the units clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the units to extreme temperatures, humidity, or direct sunlight.
- Do not disassemble the units. This will void the warranty and may cause damage.
- Ensure proper ventilation around the units during operation to prevent overheating.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No signal on display.	No power to TX/RX. Incorrect HDMI connection. Units not paired. Signal interference.	Check power adapters/batteries. Ensure HDMI cables are securely connected to correct ports (HD IN on TX, HD OUT on RX). Perform manual pairing (refer to Operating Instructions). Reduce distance between TX/RX, remove obstacles, or change Wi-Fi channel if possible.
Poor video quality/flickering.	Too far from TX/RX. Obstructions in signal path. Strong interference.	Move TX/RX closer. Ensure clear line of sight. Minimize other wireless devices operating on 2.4GHz/5.8GHz.
IR remote control not working.	IR cables incorrectly connected. IR emitter/receiver misaligned.	Verify IR cables are connected to the correct ports on TX/RX. Adjust position of IR emitter to directly face the source device's IR receiver.
Low battery warning (red light flashing).	Battery level is low.	Connect to a power adapter or replace with a fully charged battery.

## 8. SPECIFICATIONS

Feature	Detail
Product Dimensions	4.74 x 2.75 x 1.8 inches
Item Weight	10.2 ounces
Item model number	900S
Brand	Vrriis
Connectivity Technology	Wireless
Controller Type	IR REMOTE
Special Feature	wireless
Compatible Devices	PC, TV, DSLR, Projector, laptop
Total HDMI Ports	3
Connector Type	HDMI
Audio Output Mode	Stereo, Surround
Surround Sound Channel Configuration	4
Video encoding	AVI/MPEG/DivX/MOV/ASF/WMV/RMVB/QuickTime

## 9. WARRANTY AND SUPPORT

The Vrris 900S Wireless Video Transmission System is backed by a **1-year limited warranty**. For any questions, concerns, or technical assistance, please contact Vrris customer support directly. You can typically find contact information on the official Vrris website or through your purchase platform.

For further assistance, please visit the official Vrris Store: [Vrris Store on Amazon](#).