Lemorele R200-RX

Lemorele R200 Wireless HDMI Receiver User Manual

Model: R200-RX

1. Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Lemorele R200 Wireless HDMI Receiver (RX). This receiver is designed to work seamlessly with the Lemorele R200 Wireless HDMI Transmitter (TX) as part of a complete video transmission kit, enabling high-definition wireless video and audio transmission up to 200 meters (656 feet).
The R200-RX unit is equipped with a 4400mAh battery for portable use and supports various HDMI-compatible devices, making it ideal for live streaming, filmmaking, and photography applications.

2. Safety Information

Please read all safety warnings and instructions carefully before using this product to ensure safe and optimal performance. Keep this manual for future reference.

- Do not expose the device to water, moisture, or extreme temperatures.
- Avoid dropping or subjecting the device to severe impact.
- Use only the provided power adapter or a compatible 12V DC or 5V/2A USB-C power source.
- Do not attempt to disassemble, repair, or modify the device. This will void the warranty and may cause damage or injury.
- Ensure proper ventilation around the device during operation to prevent overheating.
- Keep the device away from strong magnetic fields.
- Dispose of batteries according to local regulations. Do not expose batteries to excessive heat or fire.

3. Package Contents

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

- 1 x Lemorele R200 Wireless HDMI Receiver (RX)
- 1 x Power Adapter
- 1 x Micro HDMI Adapter
- 1 x Mini HDMI Adapter
- 1 x HDMI Cable (19.6 inches)
- 1 x Cold Shoe Mount
- 1 x 4400mAh Battery
- 1 x USB to USB-C Power Cable
- 1 x User Manual



Figure 3.1: Contents of the Lemorele R200 Wireless HDMI Kit. This image displays the R200 receiver and transmitter units, a 4400mAh battery, power adapters, HDMI cables, and various HDMI adapters (Micro HDMI, Mini HDMI).

4. Product Overview

The Lemorele R200-RX is a compact and robust wireless HDMI receiver designed for professional and enthusiast use. It features an OLED display for status monitoring and multiple power options for flexibility.



Figure 4.1: Lemorele R200 Wireless HDMI Receiver (RX) unit. The image shows the front of the receiver with its antennas, OLED screen, and HDMI output port, alongside the detachable 4400mAh battery and included HDMI adapters.

4.1. Key Features

- Full HD 1080P Wireless Video Reception.
- Up to 200m (656ft) Transmission Range (line of sight).
- Supports up to 4 RX units paired with 1 TX unit.
- Integrated 4400mAh rechargeable battery.
- OLED display for real-time status monitoring.
- Multiple power options: 12V DC, 5V/2A USB-C, or Sony NP-F series batteries (not included).
- HDMI output for connecting to displays.

4.2. Components and Ports (RX Unit)

- **Antenna Ports:** For connecting the two external antennas.
- **OLED Display:** Shows connection status, channel, battery level, and signal quality.

- **HDMI OUT:** Connects to your display device (monitor, TV, projector).
- **DC IN:** 12V DC power input.
- **USB-C Port:** 5V/2A power input.
- **Battery Plate:** For attaching the included 4400mAh battery or compatible Sony NP-F series batteries.
- **Function Buttons:** For navigation and settings on the OLED display.
- **Cold Shoe Mount Thread:** For attaching to camera rigs or stands.

5. Setup

Follow these steps to set up your Lemorele R200 Wireless HDMI Receiver and pair it with a compatible R200 Transmitter.

5.1. Initial Setup

1. **Attach Antennas:** Screw the two provided antennas firmly into the antenna ports on the RX unit.
2. **Power the RX Unit:**
    - **Using Included Battery:** Slide the 4400mAh battery onto the battery plate until it clicks into place.
    - **Using Power Adapter:** Connect the power adapter to the DC IN port and plug it into a power outlet.
    - **Using USB-C:** Connect the USB to USB-C power cable to the USB-C port and a 5V/2A USB power source.
3. **Connect to Display:** Use the included HDMI cable to connect the HDMI OUT port of the RX unit to the HDMI input of your monitor, TV, or projector. Use the Micro HDMI or Mini HDMI adapters if necessary.
4. **Power On:** Press and hold the power button on the RX unit until the OLED display illuminates.

5.2. Pairing with Transmitter (TX)

Important: The R200-RX receiver can only be paired with a Lemorele R200 series transmitter (TX). It is not compatible with other models or brands.
The R200 system supports pairing up to 4 RX units with a single TX unit. However, 4 RX units cannot be connected to 1 TX simultaneously for active transmission; they must be switched or used individually.

1. **Power On Both Units:** Ensure both the R200 Transmitter (TX) and Receiver (RX) units are powered on.
2. **Connect TX to RX:** Using an HDMI cable, connect the HDMI OUT port of the RX unit to the HDMI IN port of the TX unit. This direct connection is crucial for the pairing process.
3. **Wait for Pairing:** Allow approximately 30 seconds for the units to establish a connection. The pairing is successful when the indicator light on the RX unit remains steadily lit.
4. **Disconnect Cable:** Once paired, you can disconnect the HDMI cable between the TX and RX units. The pairing information is stored, and they will automatically connect wirelessly when powered on within range.

6. Operating Instructions

6.1. Basic Operation

1. **Power On:** Press and hold the power button on the RX unit.
2. **Connect Source (TX):** Ensure your R200 Transmitter (TX) is connected to your video source (camera, game console, PC) and powered on.
3. **Automatic Connection:** The RX unit will automatically search for and connect to the paired TX unit. The OLED display will show the connection status and signal quality.

4. **View Content:** The video and audio from your source connected to the TX will now be displayed on the monitor connected to the RX.
5. **Power Off:** Press and hold the power button on the RX unit until it powers down.

6.2. OLED Display Information

The OLED display provides real-time operational status:

- **RX/TX Status:** Indicates whether the unit is a receiver (RX) or transmitter (TX) and its operational mode.
- **Connection Status:** Shows if a connection is established (e.g., "CNCT").
- **Channel (CH):** Displays the current wireless channel in use.
- **Signal Quality:** Indicated by bars or a percentage, showing the strength and quality of the wireless signal.
- **Battery Level:** Icon or percentage indicating remaining battery life.

6.3. Multiple Receiver Setup (1 TX to 4 RXs)

While one TX can be paired with up to four RX units, only one RX unit can actively receive the signal at a time. To switch between RX units:

1. Ensure all RX units are paired with the TX unit as described in Section 5.2.
2. Power on the desired RX unit you wish to use. The TX will automatically connect to the first powered-on and paired RX unit it detects.
3. If you need to switch to another RX unit, power off the currently active RX unit, then power on the desired RX unit.

7. Maintenance

Proper care and maintenance will extend the lifespan of your Lemorele R200 Wireless HDMI Receiver.

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:**
    - Charge the battery fully before first use.
    - If storing for a long time, charge the battery to about 50% every 3-6 months to maintain battery health.
    - Avoid fully discharging the battery frequently.
- **Antennas:** Handle antennas carefully. Do not bend or apply excessive force, as this can damage the internal connections.

8. Troubleshooting

If you encounter issues with your R200-RX, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power to RX unit.	Battery depleted or not properly installed; power adapter not connected or faulty.	Charge the battery or ensure it's correctly seated. Check power adapter connection and try a different power outlet.

Problem	Possible Cause	Solution
No signal on display / "No Signal" message.	RX not paired with TX; TX not powered on or not receiving input; HDMI cable issue; out of range.	• Perform pairing process (Section 5.2). • Ensure TX is powered on and connected to a working video source. • Check HDMI cable connections between RX and display, and TX and source. • Move RX closer to TX to ensure it's within range. • Check for strong interference sources (e.g., Wi-Fi routers, microwaves).
Poor video quality / intermittent signal.	Weak signal due to distance or obstacles; interference; low battery.	• Reduce distance between TX and RX. • Minimize obstacles (walls, furniture) between units. • Ensure antennas are properly attached and oriented. • Charge batteries on both TX and RX.
Audio but no video, or vice versa.	HDMI cable issue; source output settings.	Try a different HDMI cable. Check the video source's output settings to ensure correct resolution and audio format.

9. Specifications

Feature	Detail
Model	R200-RX
Brand	Lemorele
Wireless Technology	HDMI Wi-Fi
Max Transmission Distance	200 meters (656 feet) line of sight
Video Encoding	H.264, H.265/HEVC, MPEG-4
Audio Output Mode	Stereo, Surround (5.1 channel configuration)
Compatible Devices	Camera, ATEM Switcher, Game Box, HDTV, Personal Computer
Power Input	12V DC, 5V/2A USB-C
Battery Type	Lithium-ion (4400mAh included)
Supported External Batteries	Sony Series NP-F970/750/550 (not included)

Feature	Detail
Max RX Units per TX	4 (one active at a time)

10. Warranty and Support

10.1. Warranty Information

Lemorele products are covered by a limited warranty from the date of purchase. Please refer to the warranty card included in your package or visit the official Lemorele website for detailed warranty terms and conditions. The warranty typically covers defects in materials and workmanship under normal use.
Note: Any unauthorized disassembly, modification, or misuse of the product will void the warranty.

10.2. Customer Support

If you have any questions, require technical assistance, or experience issues not covered in this manual, please contact Lemorele customer support:

- **Email:** Refer to your product packaging or the official Lemorele website for the most current support email address.
- **Website:** Visit the Lemorele Store on Amazon (for product information and updates).

When contacting support, please provide your product model (R200-RX) and a detailed description of the issue.

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