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Lemorele R15L

Lemorele Wireless HDMI Extender User Manual

Model: R15L

Introduction Safety Information Package Contents Product Overview Setup Operating Instructions Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

Thank you for purchasing the Lemorele Wireless HDMI Extender. This device allows for wireless transmission of HDMI audio and video signals up to 656 feet (200 meters) with 1080P resolution. It supports 5G transmission, KVM functionality, IR remote control extension, and an HDMI loop-out feature on the transmitter. This manual provides detailed instructions for installation, operation, and troubleshooting to ensure optimal performance and longevity of your device.

2. Safety Information

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or damage to the device.

- **Power Supply:** Use only the provided power adapters. Ensure the voltage matches the device requirements.
- **Ventilation:** Do not block any ventilation openings. Place the device in a well-ventilated area to prevent overheating.
- **Moisture:** Keep the device away from water, moisture, and high humidity environments. Do not operate with wet hands.
- **Temperature:** Operate the device within the specified temperature range. Avoid extreme hot or cold environments.
- **Handling:** Handle the device with care. Do not drop, strike, or disassemble it. Refer all servicing to qualified personnel.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Interference:** Keep the device away from sources of strong electromagnetic interference.

3. Package Contents

Please check the package contents upon unboxing:

- 1 x Lemorele Wireless HDMI Transmitter (TX)
- 1 x Lemorele Wireless HDMI Receiver (RX)

- 2 x Power Adapters
- 1 x IR Blaster Cable
- 1 x IR Receiver Cable
- 1 x User Manual

4. Product Overview

The Lemorele Wireless HDMI Extender system consists of a Transmitter (TX) unit and a Receiver (RX) unit. Both units are compact and designed for easy integration into your existing setup.



Figure 4.1: Lemorele Wireless HDMI Transmitter (TX) and Receiver (RX) units. The image shows both the transmitter and receiver units, each with two antennas, indicating their wireless capability.

4.1 Transmitter (TX) Unit

The TX unit connects to your HDMI source device (e.g., laptop, DVD player, set-top box).



Figure 4.2: Front view of the TX and RX units. This image highlights the front panels of both units, showing various ports and indicator lights.



Figure 4.3: Back view of the TX and RX units. This image displays the rear panels, including HDMI input/output ports and power connections.

TX Ports and Indicators:

- **HDMI IN:** Connects to the HDMI source.
- **HDMI OUT (Loop Out):** Connects to a local display for monitoring the source.
- **IR OUT:** Connects the IR Blaster cable to control the source device.
- **DC 5V:** Power input port.
- **MODE Button:** For pairing and mode selection.
- **LED Indicators:** Power, Signal, Status.

4.2 Receiver (RX) Unit

The RX unit connects to your HDMI display device (e.g., TV, projector, monitor).

RX Ports and Indicators:

- **HDMI OUT:** Connects to the HDMI display.
- **IR IN:** Connects the IR Receiver cable to receive signals from your remote control.
- **AUX IN:** For external audio output.
- **USB Ports (KVM):** For connecting a keyboard and mouse.
- **DC 5V:** Power input port.
- **MODE Button:** For pairing and mode selection.
- **LED Indicators:** Power, Signal, Status.

5. Setup Instructions

The Lemorele Wireless HDMI Extender is designed for plug-and-play operation. Follow these steps for a quick setup:

1. **Connect the Transmitter (TX):**
    - Connect one end of an HDMI cable to the HDMI output of your source device (e.g., laptop, game console, cable box).
    - Connect the other end of the HDMI cable to the **HDMI IN** port on the TX unit.
    - *(Optional)* If using the HDMI Loop Out feature, connect another HDMI cable from the **HDMI OUT (Loop Out)** port on the TX unit to a local display.
    - *(Optional)* For IR control, connect the IR Blaster cable to the **IR OUT** port on the TX unit and position the blaster eye near the IR sensor of your source device.
    - Connect the provided power adapter to the **DC 5V** port on the TX unit and plug it into a power outlet.
2. **Connect the Receiver (RX):**
    - Connect one end of an HDMI cable to the **HDMI OUT** port on the RX unit.
    - Connect the other end of the HDMI cable to the HDMI input of your display device (e.g., TV, projector).
    - *(Optional)* For IR control, connect the IR Receiver cable to the **IR IN** port on the RX unit and position the receiver eye where your remote control can easily point to it.
    - *(Optional)* For KVM functionality, connect your USB keyboard and mouse to the USB ports on the RX unit.
    - *(Optional)* For external audio, connect your speakers or audio system to the **AUX IN** port on the RX unit.
    - Connect the provided power adapter to the **DC 5V** port on the RX unit and plug it into a power outlet.
3. **Power On and Pair:**
    - Once both units are powered on, the LED indicators will light up.
    - The units are pre-paired from the factory. They should automatically establish a connection within 5-10 seconds. The Status LED will indicate a successful connection.
    - If pairing is lost or you need to pair additional RX units (up to 4 RX units per 1 TX unit), press and hold the **MODE** button on both the TX and RX units simultaneously until the Status LEDs flash rapidly, then release. They will attempt to pair.

6. Operating Instructions

6.1 Basic Operation

After successful setup, the video and audio from your source device will be wirelessly transmitted to your display. Ensure your display is set to the correct HDMI input.



Figure 6.1: The system supports 5G/2.4G dual-band high-speed transmission for stable and efficient wireless signal delivery, as depicted in this diagram showing a user streaming content to a TV.



Figure 6.2: The device features a built-in signal amplifier, enabling stable transmission up to 200 meters (656 feet) without delay, suitable for large spaces like conference rooms.

6.2 HDMI Loop Out Function

The TX unit includes an HDMI Loop Out port, allowing you to connect a local display to monitor the source content simultaneously with the wireless transmission.

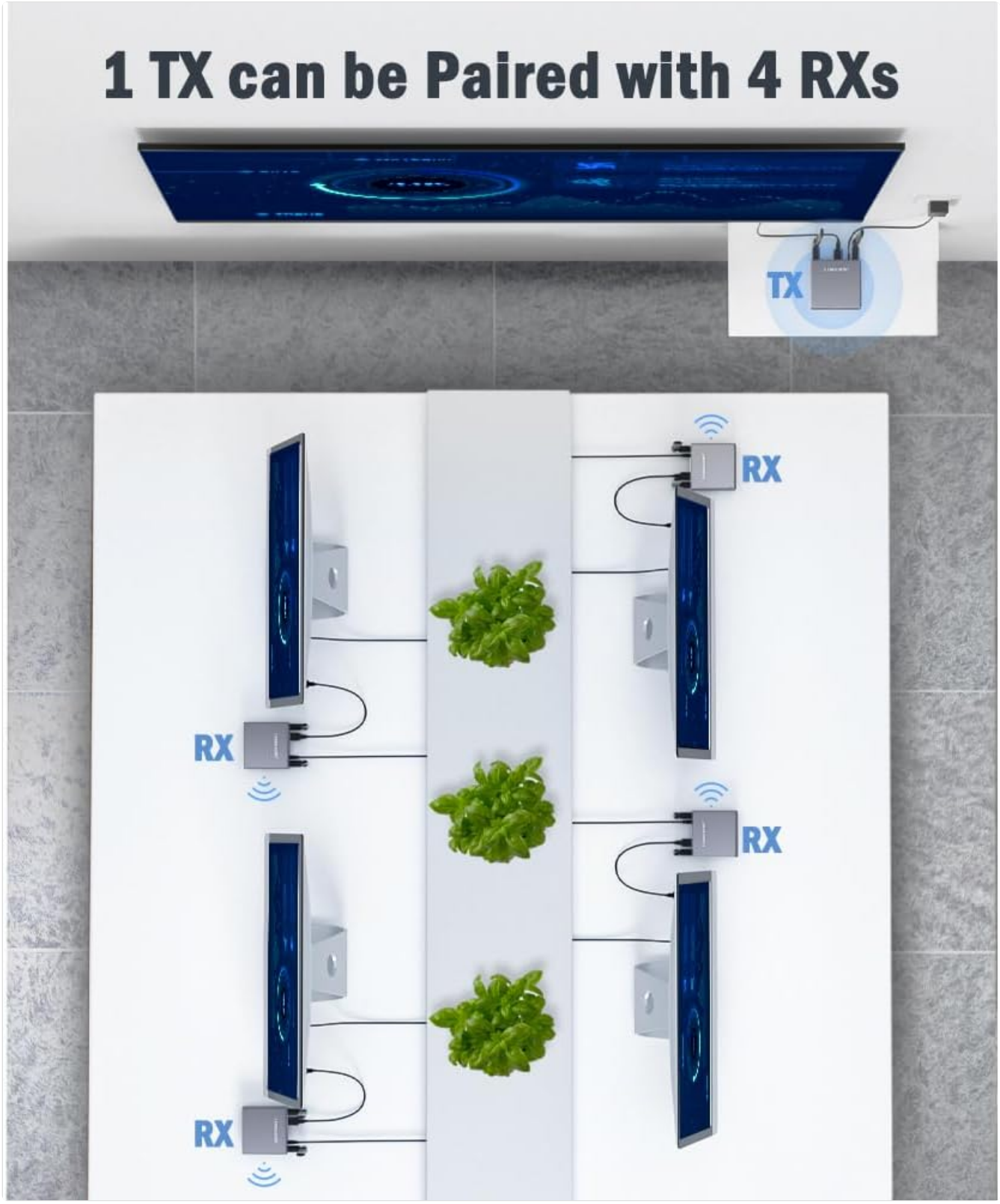


Figure 6.3: The HDMI Loop Out function on the transmitter allows content to be mirrored to two different devices at one time, as shown with a laptop connected to both a local monitor and a wirelessly connected TV.

6.3 KVM Functionality

The RX unit supports KVM (Keyboard, Video, Mouse) functionality, allowing you to control your source device remotely using a USB keyboard and mouse connected to the RX unit.

- Connect your USB keyboard and mouse to the USB ports on the RX unit.
- Ensure the TX unit is connected to the source device you wish to control.
- You can now operate the source device from the location of the RX unit.

6.4 IR Remote Control Extension

The IR extension feature allows you to use your existing remote control to operate the source device from the location of the receiver.



Figure 6.4: The Infrared Remote Control Function allows content at the TX end to be controlled through the IR function at the RX end, enabling remote control of the source device from the display location.

- Connect the IR Blaster cable to the**IR OUT** port on the TX unit and place the blaster eye near the IR sensor of your source device.
- Connect the IR Receiver cable to the**IR IN** port on the RX unit and place the receiver eye in a convenient location for your remote control.
- Point your remote control at the IR Receiver eye on the RX unit to control your source device.

6.5 Multiple Receiver Pairing

One Transmitter (TX) unit can be paired with up to four Receiver (RX) units, allowing you to transmit the same HDMI signal to multiple displays simultaneously.



Figure 6.5: This diagram illustrates how one TX unit can be paired with up to four RX units, enabling simultaneous display on multiple screens from a single source.

- To pair additional RX units, ensure the TX unit is powered on and transmitting.
- Power on the new RX unit.
- Press and hold the **MODE** button on both the TX and the new RX unit simultaneously until their Status LEDs flash rapidly, then release.
- The units will attempt to pair. Once successful, the Status LEDs will indicate a stable connection.

7. Maintenance

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

- **Cleaning:** Disconnect the power adapters from both units before cleaning. Use a soft, dry, lint-free cloth to wipe the surfaces. Do not use liquid cleaners, aerosols, or abrasive materials.
- **Storage:** If storing the device for an extended period, disconnect it from power and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Ventilation:** Regularly check that the ventilation openings are not obstructed by dust or debris.
- **Cables:** Ensure all cables are connected securely and are not bent or crimped, which could damage them over time.

8. Troubleshooting

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

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No signal on display	• Power issue • Incorrect HDMI connection • Units not paired • Signal interference	• Ensure both TX and RX units are powered on and their Power LEDs are lit. • Verify all HDMI cables are securely connected to the correct ports. • Check if TX and RX units are paired (Status LED). Re-pair if necessary. • Reduce distance between units or remove obstructions. • Try a different HDMI input on your display.
Video flickering or unstable signal	• Excessive distance • Obstructions (walls, furniture) • Interference from other wireless devices • Low power	• Move TX and RX units closer to each other. • Ensure a clear line of sight or minimize obstructions. • Move other 5G/2.4G wireless devices away from the extender. • Ensure power adapters are securely connected and providing stable power.
IR remote control not working	• IR cables incorrectly connected • IR blaster/receiver mispositioned • Source device IR sensor issue	• Verify IR Blaster is connected to TX's IR OUT and IR Receiver to RX's IR IN. • Adjust the position of the IR Blaster eye to directly face the source device's IR sensor. • Ensure the IR Receiver eye is in line of sight of your remote control.
KVM (Keyboard/Mouse) not responding	• USB connection issue • Source device compatibility	• Ensure keyboard and mouse are securely connected to the RX unit's USB ports. • Try different USB ports or a different keyboard/mouse. • Verify your source device supports KVM input via HDMI.

If the problem persists after trying these solutions, please contact Lemorele customer support.

9. Specifications

Technical specifications for the Lemorele Wireless HDMI Extender (Model: R15L):

Feature	Detail
Brand	Lemorele
Model Number	R15L

Feature	Detail
Color	Black
Connectivity Technology	HDMI, Wireless 5G/2.4G
Max. Transmission Distance	656 feet (200 meters) in open areas
Supported Resolution	Up to 1080P
HDMI Ports	2 (1x HDMI IN, 1x HDMI OUT/Loop Out on TX; 1x HDMI OUT on RX)
Special Features	HDMI Loop Out, KVM Function, IR Remote Control Extension, 1 TX to 4 RX support
Compatible Devices	TVs, Projectors, Monitors, DVD/Blu-ray players, Set-top boxes, PCs, etc.
Audio Output Mode	Stereo (AUX Out on RX)
Surround Sound Configuration	5.1
Video Encoding	H.264, H.265/HEVC, VP9, MPEG-4, AV1, MPEG-2

10. Warranty and Support

Lemorele products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official Lemorele website.

Customer Support

If you have any questions, require technical assistance, or encounter issues not covered in this manual, please contact Lemorele customer support through the following channels:

- **Email:** Refer to your product packaging or the official Lemorele website for contact email.
- **Website:** Visit the **Lemorele Brand Store** for FAQs and support resources.

Please have your model number (R15L) and purchase information ready when contacting support.

11. Product Videos

No official product videos from the seller were found in the provided data.

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