Lemorele 4K HDMI TX + RX

Lemorele Wireless HDMI Transmitter and Receiver Kit User Manual

Model: 4K HDMI TX + RX

1. Introduction

This user manual provides detailed instructions for the Lemorele Wireless HDMI Transmitter and Receiver Kit (Model: 4K HDMI TX + RX). This portable wireless HDMI extender allows for seamless streaming of video and audio from various devices to monitors, projectors, or HDTVs, supporting resolutions up to 4K@30Hz and 1080P@60Hz. Its plug-and-play design ensures ease of use for home entertainment, business presentations, and educational settings.

2. Product Overview

2.1. Package Contents

The standard package includes the following items:

- 1 x Transmitter (TX) unit
- 1 x Receiver (RX) unit
- 1 x User Manual
- 2 x USB-C Cables (for power)
- 1 x HDMI Adapter (extension cable)



Figure 2.1: Contents of the Lemorele Wireless HDMI Kit package.

2.2. Key Features

- **4K HD Quality & 2.4/5G Dual-band:** Supports 4K@30Hz and 1080P@60Hz output with stable 2.4/5G dual-band transmission.
- **Built-in Antenna & 164ft Range:** Provides stable signal transmission up to 164 feet (50 meters) in open areas, with reduced range through walls and floors.
- **Compact, Portable & Plug and Play:** Designed for portability and ease of use, requiring no complex settings or driver installation.
- **Multi-person Collaboration:** Supports up to 8 transmitters connected to 1 receiver, facilitating resource sharing in meetings and presentations. Note: Transmission distance may shorten with more TX units.
- **Wide Compatibility:** Compatible with PCs, laptops, cameras, DV, TV boxes for projection to projectors, monitors, and HDTVs.

3. Setup Instructions

The Lemorele Wireless HDMI Kit is designed for plug-and-play operation, requiring no software installation or network configuration.

1. **Power Supply:** It is highly recommended to power both the Transmitter (TX) and Receiver (RX) units using a 5V/2A USB adapter for stable performance and to prevent signal dropouts or overheating. Connect the provided USB-C cables to the USB-C ports on the TX and RX units, and then to suitable power sources.
2. **Connect Receiver (RX):** Plug the Receiver (RX) unit into an available HDMI input port on your display device (e.g., TV, monitor, projector). Ensure the RX unit is powered on first.
3. **Connect Transmitter (TX):** Plug the Transmitter (TX) unit into the HDMI output port of your source device (e.g., laptop, PC, game console, TV box).
4. **Pairing (Initial Setup):**
    - Ensure both TX and RX units are powered on and connected.
    - The display connected to the RX unit should show a "Ready to Pair" message or a waiting screen.
    - Press and hold the button on the TX unit for approximately 3 seconds until the indicator light changes, signaling successful pairing. The display should then mirror or extend your source device's screen.



Figure 3.1: The kit offers a simple plug-and-play setup without requiring drivers or network configuration.



Figure 3.2: The kit is compatible with a wide range of devices for both transmission and reception.

4. Operating Instructions

4.1. Display Modes (Mirror/Extend)

The kit supports both Mirror Mode and Extend Mode, allowing flexibility for various applications:

- **Mirror Mode:** Duplicates your source device's screen onto the connected display. Ideal for presentations or sharing content directly.
- **Extend Mode:** Extends your source device's desktop onto the connected display, providing more screen real estate for multitasking.



Figure 4.1: The kit supports both Extend Mode and Mirror Mode for flexible display options.

4.2. Multi-Transmitter Operation

For scenarios requiring multiple presenters or sources, the system can support up to 8 Transmitter (TX) units connected to a single Receiver (RX) unit. To switch between active transmitters, simply press the button on the desired TX unit. The RX unit will automatically switch to display the content from the newly activated TX unit.



Figure 4.2: One receiver can connect to up to 8 transmitters for multi-person collaboration.

4.3. Transmission Range

The device offers a stable transmission range of up to 164 feet (50 meters) in an open, unobstructed environment. When transmitting through walls or floors, the effective range will be reduced. Performance may vary based on environmental factors and the number of active transmitters.



Figure 4.3: The kit provides long-distance transmission capabilities with built-in antennas.

5. Maintenance

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

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the units. Avoid using liquid cleaners or abrasive materials.
- **Storage:** When not in use, store the units in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the units with care. Avoid dropping them or subjecting them to strong impacts.
- **Ventilation:** Ensure proper ventilation around the units during operation to prevent overheating. Do not cover the units.

6. Troubleshooting

If you encounter issues with your Lemorele Wireless HDMI Kit, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No signal or intermittent signal.	Insufficient power supply; RX unit not connected before TX; excessive distance or obstructions; interference.	◦ Ensure both TX and RX units are powered by a 5V/2A USB adapter. ◦ Always connect and power the RX unit first, then the TX unit. ◦ Reduce the distance between TX and RX units. ◦ Minimize obstructions (walls, furniture) between units. ◦ Check for other wireless devices causing interference.
Poor video quality (blurry, flickering).	Weak signal; power issue; incompatible resolution.	◦ Ensure stable 5V/2A power supply to both units. ◦ Reduce transmission distance. ◦ Verify your display supports the output resolution (4K@30Hz or 1080P@60Hz).
Audio lag or no audio.	Signal interference; power issue; source device audio settings.	◦ Ensure stable 5V/2A power supply. ◦ Check audio output settings on your source device. ◦ Reduce distance and obstructions.
Unit feels hot during operation.	Normal operation; insufficient ventilation.	◦ Some warmth is normal. ◦ Ensure units are placed in a well-ventilated area and not covered. ◦ If excessively hot, disconnect power and allow to cool before resuming use.
Cannot pair multiple TX units to one RX.	Incorrect pairing procedure.	◦ Ensure only one TX unit is attempting to pair at a time. ◦ Follow the pairing steps in Section 3.

7. Specifications

Feature	Detail
Model Number	4K HDMI TX + RX
Brand	Lemorele
Connectivity Technology	HDMI (Wireless)
Color	Black

Feature	Detail
Supported Resolutions	4K@30Hz, 1080P@60Hz
Wireless Frequency	2.4GHz / 5GHz Dual-band
Transmission Range	Up to 164 feet (50 meters) in open environment
Max Transmitters per Receiver	8
Power Input Recommendation	5V/2A USB adapter
Compatible Devices	Laptop, Television, Personal Computer, Projector, Game Console, TV Box
Item Weight	6.7 ounces
Package Dimensions	7.13 x 5.91 x 0.91 inches

8. Warranty and Support

For warranty information and customer support, please refer to the official Lemorele website or contact the seller directly through your purchase platform. Keep your proof of purchase for any warranty claims.
Manufacturer: Lemorele
Seller: Lemorele us
For further assistance, you may visit the Lemorele Store on Amazon.

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