Lemorele R1L635Q5

Lemorele Wireless HDMI Transmitter and Receiver Kit User Manual

Model: R1L635Q5 | Brand: Lemorele

1. Introduction and Overview

The Lemorele Wireless HDMI Transmitter and Receiver Kit provides a seamless solution for wireless video and audio transmission. This plug-and-play system eliminates the need for complex driver installations, allowing for easy streaming of content from various devices such as PCs, laptops, set-top boxes, and gaming consoles to HDTVs, projectors, and large LED screens. It supports dual-frequency (2.4/5GHz) transmission for stable and fast video, and offers 1080P/60Hz Full HD output for clear and smooth picture quality. The receiver features HDMI, VGA, and 3.5mm interfaces for versatile connectivity, including simultaneous dual-screen output. This kit is ideal for business meetings, educational environments, and home theater setups, offering a wireless transmission range of up to 164 feet (50 meters) in open environments.

2. Product Contents

The package includes all necessary components for immediate use:

- 1 x HDMI Transmitter (TX)
- 1 x HDMI Receiver (RX)
- 2 x Antennas (for Receiver)
- 1 x HDMI Cable
- 2 x USB-C Power Cables
- 1 x DC Power Supply
- 1 x Instruction Manual (this document)

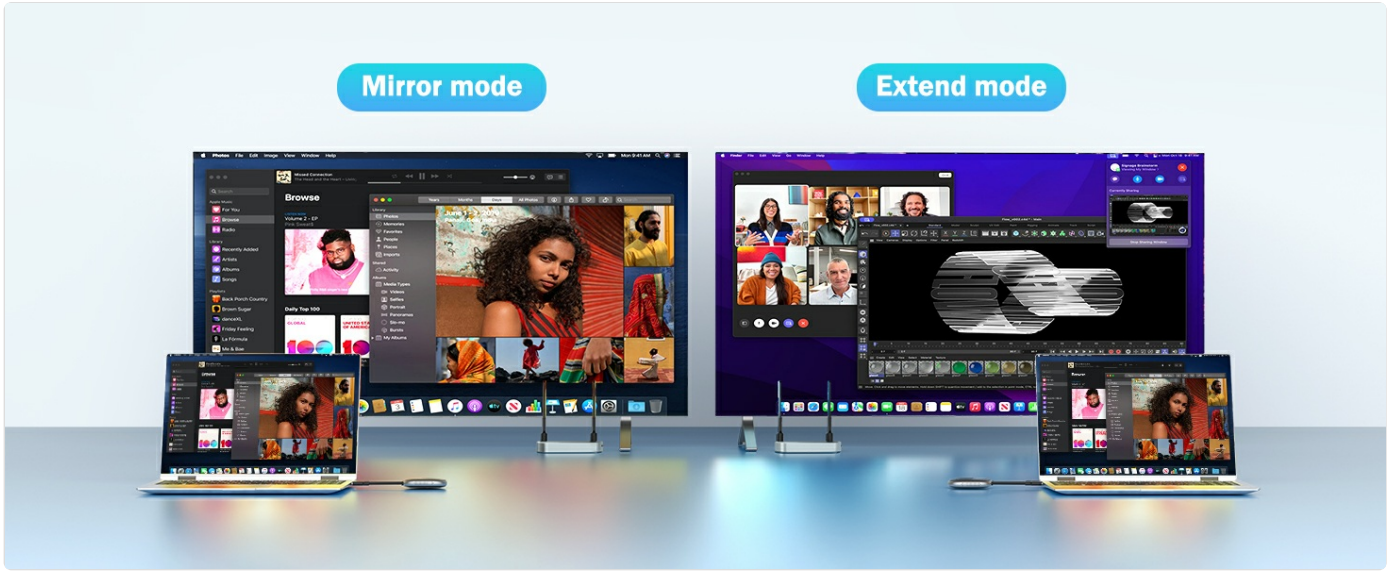


Figure 2.1: Included components of the Lemorele Wireless HDMI Transmitter and Receiver Kit.

3. Setup Instructions

3.1 Initial Setup (Plug & Play)

The Lemorele Wireless HDMI Kit is designed for simple plug-and-play operation. Follow these steps for initial setup:

1. **Connect the Receiver (RX):** Plug the HDMI/VGA output of the Receiver (RX) into your HDTV, monitor, or projector. Connect the DC power supply to the RX unit. Ensure the display device is set to the corresponding HDMI or VGA input.
2. **Connect the Transmitter (TX):** Plug the HDMI connector of the Transmitter (TX) into the HDMI output port of your source device (e.g., laptop, PC, game console). If your source device does not provide sufficient power via HDMI, connect one of the USB-C power cables to the TX unit and a USB power source.
3. **Automatic Pairing:** The TX and RX units will automatically pair within approximately 5 seconds after both are powered on and connected. The indicator light on the TX unit will turn solid when connected successfully.



Figure 3.1: Visual guide for the plug-and-play setup process.



Figure 3.2: Automatic pairing process between Transmitter (TX) and Receiver (RX).

3.2 Reconnecting TX and RX

If the connection between the Transmitter (TX) and Receiver (RX) is lost, follow these steps to re-establish pairing:

1. **On the Receiver (RX):** Press the function button on the RX unit for more than 3 seconds to enter pairing mode.
2. **On the Transmitter (TX):** Press the function button on the TX unit for more than 3 seconds. The indicator light on the TX will turn solid when the connection is successful.



Figure 3.3: Steps to re-pair the Transmitter and Receiver.

4. Operating Instructions

4.1 Basic Operation

Once the Transmitter (TX) and Receiver (RX) are successfully paired, the content from your source device will be mirrored or extended to the connected display. No additional software or drivers are required for basic operation.

4.2 Multi-Device Interconnection (One RX to Multiple TXs)

The system supports connecting up to 8 HDMI Transmitters (TX) to a single HDMI Receiver (RX). This feature is particularly useful for business meetings, interactive teaching, or resource sharing where multiple presenters need to share their screens to one display.

- To switch between different Transmitters, simply press the function button on the desired TX unit. The system will

automatically switch the display to that TX.

- Only one TX can be connected to the RX at a time for display.
- Note that increasing the number of wireless transmitters may affect the overall wireless transmission distance and stability.

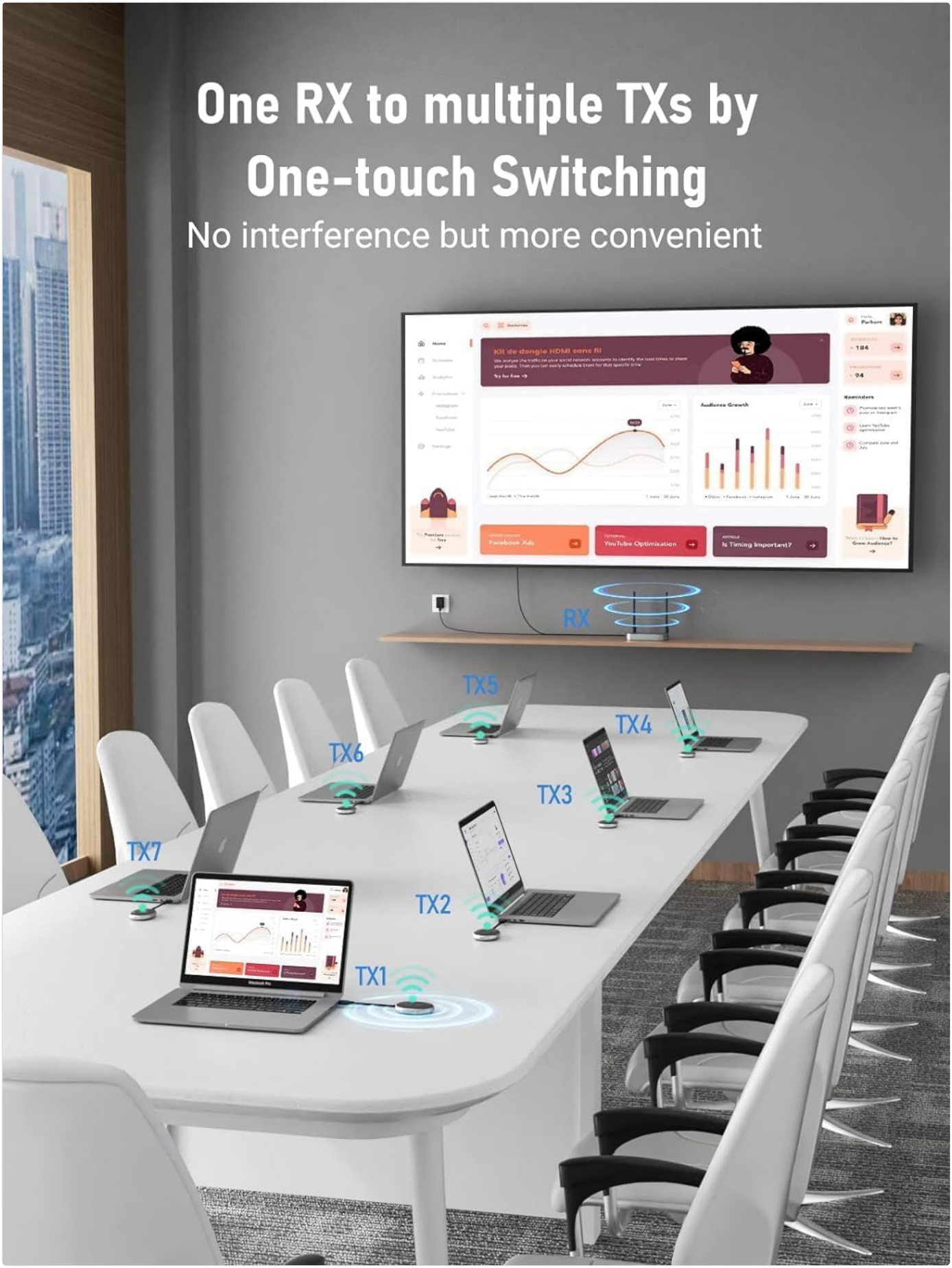


Figure 4.1: One Receiver (RX) supporting multiple Transmitters (TXs) with one-touch switching.



Figure 4.2: Support for up to 8 Transmitters (TXs) to one Receiver (RX) for collaborative presentations.

4.3 Mirror and Extend Modes

The kit supports both mirror and extend display modes, depending on your operating system's display settings. You can configure your computer to duplicate your screen (mirror mode) or extend your desktop across multiple displays (extend mode).

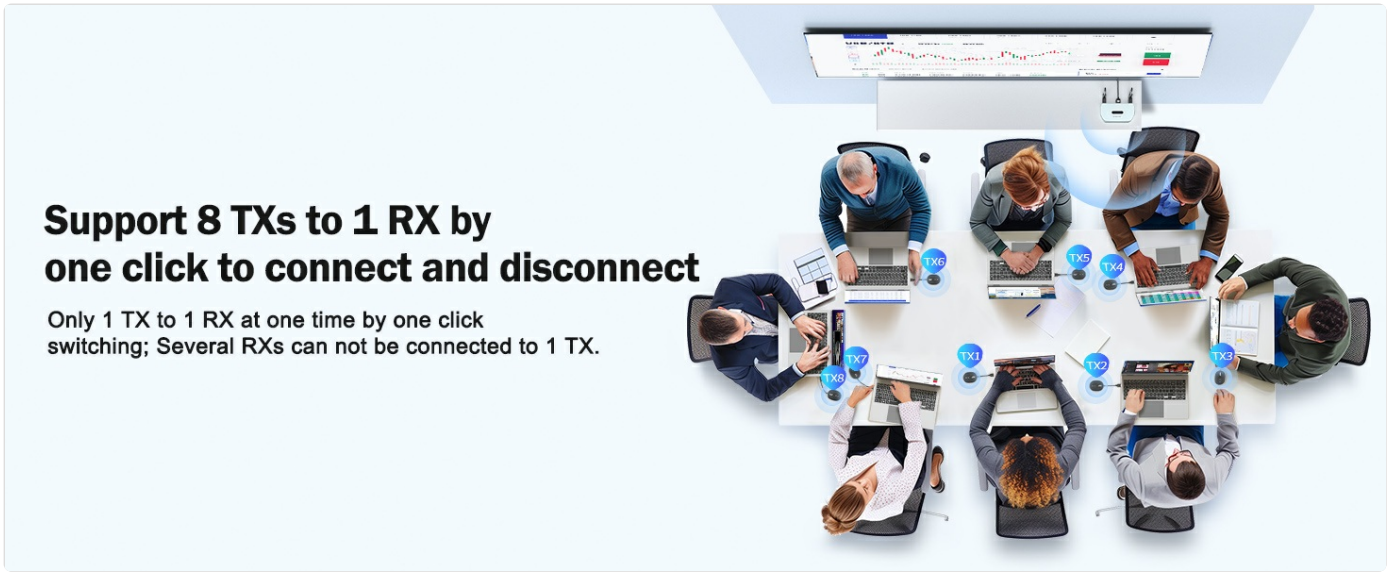


Figure 4.3: Mirror mode and Extend mode display options.

5. Key Features

5.1 Wireless Transmission and Range

The kit utilizes a wireless transmission protocol, offering a transmission distance of up to 164 feet (50 meters) in open environments. This allows for flexible placement of your display and source devices without the limitations of long cables. Please note that walls or other obstacles may reduce the effective transmission distance and speed.

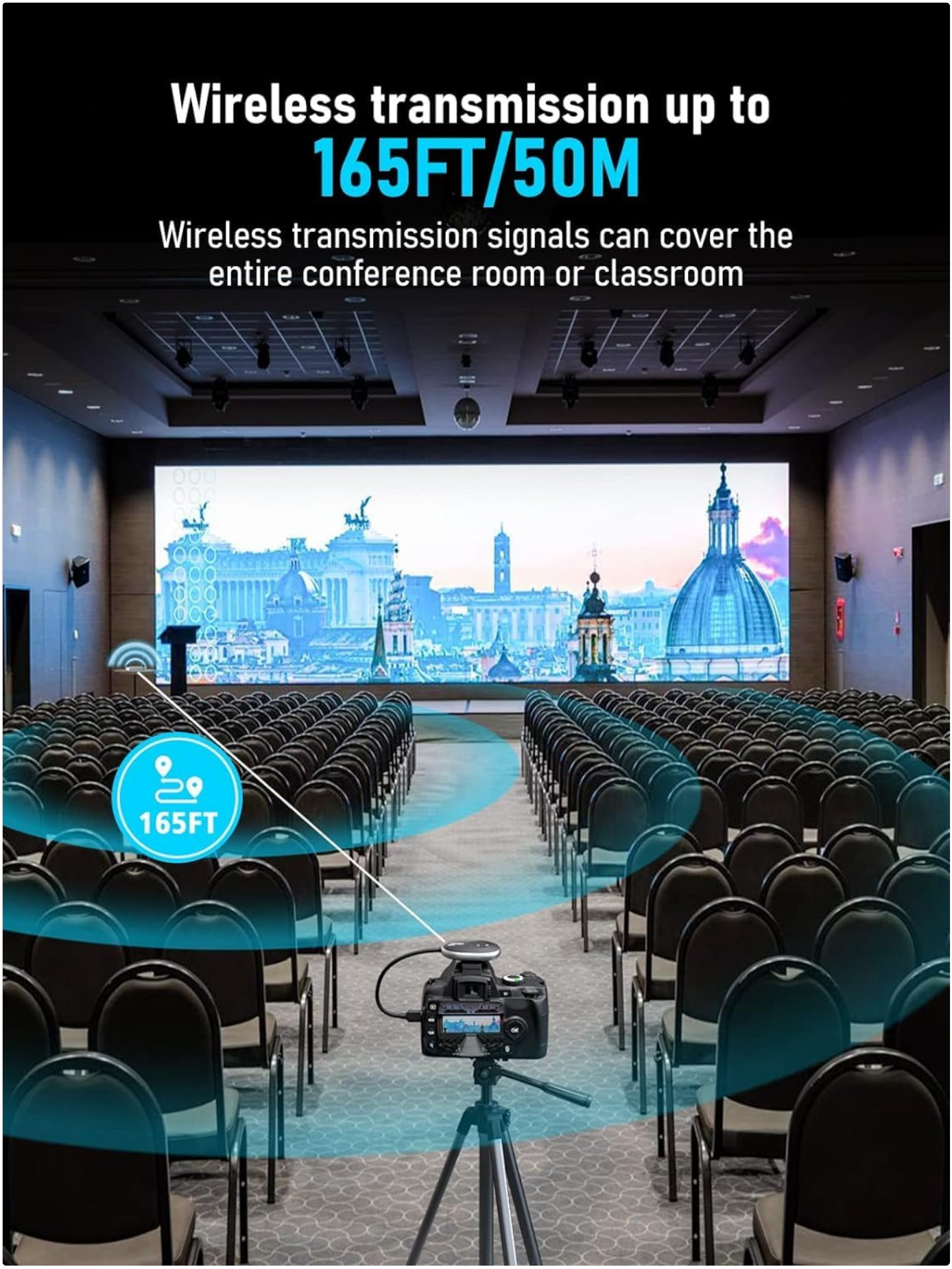


Figure 5.1: Wireless transmission range in an open environment.



Figure 5.2: High-definition 1080P@60Hz display quality.

5.2 Dual-Frequency (2.4/5GHz) Transmission

The system operates on both 2.4GHz and 5GHz frequencies. It automatically switches between frequencies to ensure stable and fast video transmission, especially in environments with crowded wireless signals. The built-in 5G smart chip enhances performance and reduces interruptions.

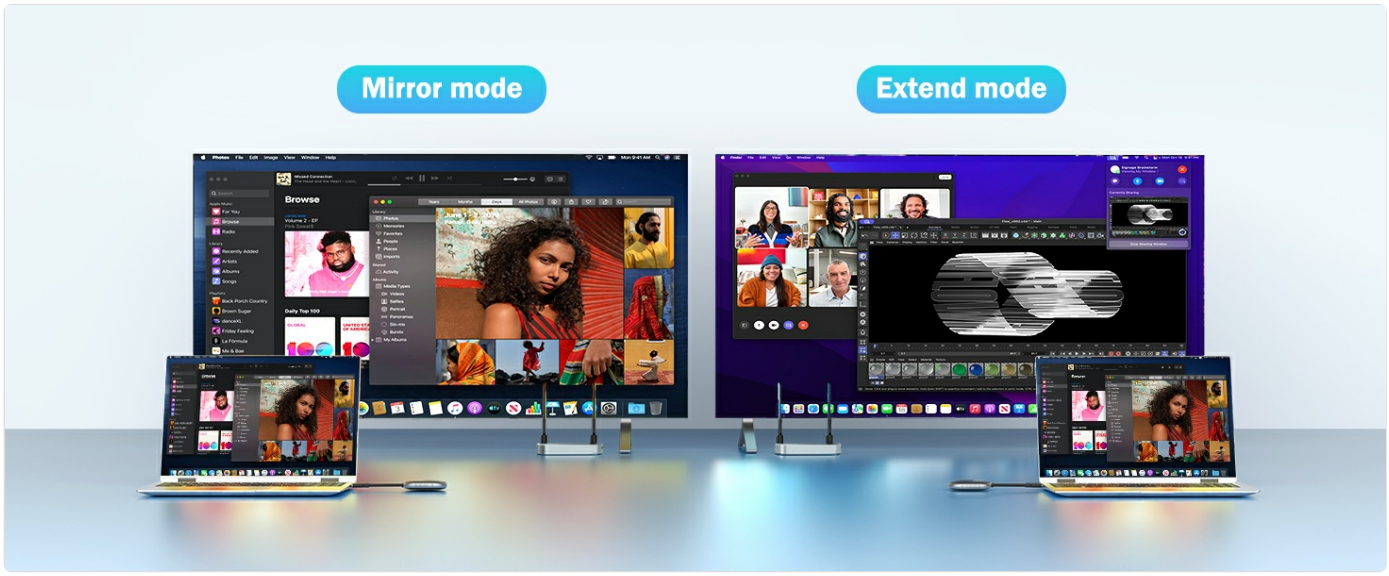


Figure 5.3: Enhanced performance with the built-in 5G smart chip.

5.3 Wide Compatibility

The wireless HDMI transmitter is compatible with most HDMI output devices, including:

- PCs and Laptops
- Cameras
- Blu-ray Players
- Set-top Boxes
- PS Consoles

The receiver is equipped with HDMI, VGA, and 3.5mm interfaces, allowing simultaneous output to two large screens via HDMI and VGA for an enhanced visual experience.



Figure 5.4: Wide range of compatible input and output devices.

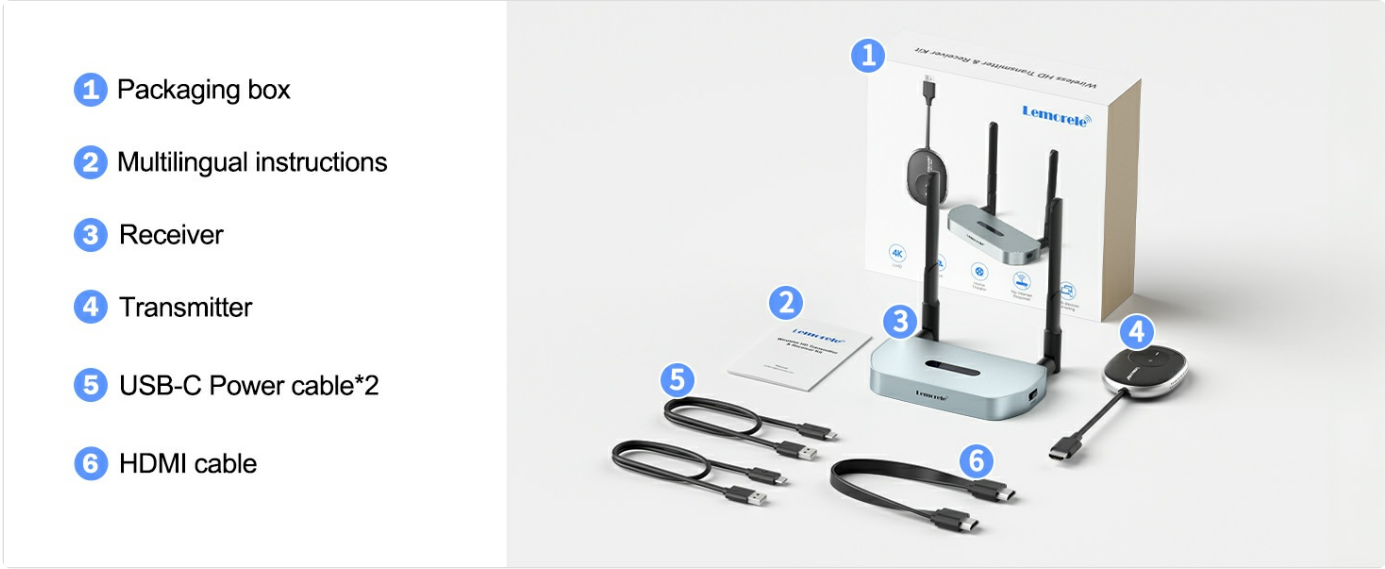


Figure 5.5: Overview of receiver and transmitter ports and compatible devices.

6. Product Video Demonstration

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Video 6.1: Official demonstration of the Lemorele Wireless HDMI Transmitter and Receiver Kit, showcasing its features and ease of use. This video highlights the plug-and-play functionality, long-distance transmission, and application in business and educational settings. Duration: 33 seconds.

7. Troubleshooting

Problem	Possible Cause	Solution
No signal on display.	Incorrect input source selected on display; TX/RX not powered; TX/RX not paired; Loose cable connections.	• Ensure the display is set to the correct HDMI/VGA input. • Verify both TX and RX units are properly powered. • Follow the re-pairing steps in Section 3.2. • Check all HDMI, VGA, and power cable connections.
Intermittent signal or poor quality.	Obstacles between TX and RX; Excessive distance; Signal interference (other wireless devices).	• Reduce obstacles between TX and RX (e.g., walls, furniture). • Decrease the distance between TX and RX. • Minimize other wireless devices operating on 2.4GHz or 5GHz nearby. • Ensure antennas on RX are properly oriented.
TX unit not powering on.	Insufficient power from source device's HDMI port; USB-C power cable not connected or faulty.	• Connect the USB-C power cable to the TX unit and a reliable USB power source. • Try a different USB port or power adapter.

Problem	Possible Cause	Solution
Audio but no video, or vice versa.	Incorrect display settings; Source device output issues.	• Check display settings on your source device (laptop/PC) to ensure both audio and video are enabled for the external display. • Verify the 3.5mm audio cable is correctly connected if using VGA output.

8. Specifications

Feature	Detail
Model Number	R1L635Q5
Product Dimensions	5 x 2.63 x 0.7 inches
Item Weight	10.1 ounces
Connectivity Technology	Wireless (2.4GHz/5GHz Dual-Frequency)
Video Output Resolution	1080P/60Hz Full HD
Wireless Transmission Range	Up to 164 feet (50 meters) in open environments
Compatible Devices (Transmitter)	PCs, Laptops, Cameras, Blu-ray Players, Set-top Boxes, PS Consoles
Compatible Devices (Receiver)	HDTVs, Projectors, Monitors
Total HDMI Ports	2 (on Receiver, for HDMI and VGA output)
Connector Type	HDMI, VGA, 3.5mm Audio
Audio Output Mode	Stereo
Surround Sound Channel Configuration	5.1
Video Encoding	H.264, H.265/HEVC, VP9
Special Feature	Miracast, DLAN, One-touch Switching (up to 8 TXs to 1 RX)

9. Warranty and Support

Lemorele offers a one-year product warranty from the date of purchase. This warranty covers manufacturing defects and ensures product quality. In addition, we provide unconditional returns and exchanges within the specified period.
For any questions, technical assistance, or warranty claims, our dedicated 24-hour online customer service team is available to assist you. Please refer to the contact information provided on the product packaging or the official Lemorele website for support details.
For a detailed PDF version of the user manual, please visit:Lemorele Wireless HDMI Kit User Manual (PDF)

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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