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Lemorele G50R20L

Lemorele Wireless HDMI Transmitter and Receiver User Manual

Model: G50R20L | Brand: Lemorele

1. Introduction

This user manual provides detailed instructions for the Lemorele Wireless HDMI Transmitter and Receiver Kit (Model: G50R20L). This device is designed to wirelessly transmit high-definition video and audio signals from a source device to a display device, eliminating the need for long cables. It supports 1080P Full HD resolution and offers a wireless transmission range of up to 164 feet (50 meters), making it ideal for various home and office applications.
The kit features a plug-and-play design, dual-band 2.4GHz/5GHz connectivity, and versatile HDMI + VGA dual output options, ensuring a stable and flexible connection experience.

2. Product Overview

2.1 Package Contents

The Lemorele Wireless HDMI Transmitter and Receiver Kit includes the following components:

- 1 x Wireless HDMI Transmitter (TX)
- 1 x Wireless HDMI Receiver (RX)
- 2 x Antennas for Receiver
- 1 x HDMI Cable (25cm)
- 2 x USB-C Power Cables
- 1 x Power Adapter (with British/Japanese/US/European plugs)
- 1 x Instruction Manual



Image: All components included in the Lemorele Wireless HDMI Transmitter and Receiver kit, including the transmitter, receiver, cables, power adapter, and manual.

2.2 Key Features

- **Plug and Play:** No software installation or complex setup required.
- **1080P Full HD:** Supports high-quality video transmission for clear and smooth visuals.
- **Extended Range:** Wireless transmission up to 164 feet (50 meters) in open environments.
- **Dual-Band Connectivity:** Utilizes 2.4GHz/5GHz dual-band technology for stable signal transmission.

- **HDMI + VGA Dual Output:** Receiver supports simultaneous output via HDMI and VGA ports, plus a 3.5mm audio jack.
- **Multi-Transmitter Support:** Connect up to 8 transmitters to one receiver for easy switching between sources.
- **Wide Compatibility:** Compatible with various devices including laptops, PCs, TV boxes, Blu-ray players, projectors, and HDTVs.



Image: The Lemorele Wireless HDMI Receiver (left) and Transmitter (right) units, showcasing their compact design.

3. Setup Guide

Follow these steps to set up your Lemorele Wireless HDMI Transmitter and Receiver:

1. **Connect the Receiver (RX):**
    - Connect the two antennas to the designated ports on the receiver unit.
    - Connect the receiver's HDMI output to an HDMI input port on your display device (TV, projector, monitor) using the provided HDMI cable.
    - *Optional:* If using VGA, connect the receiver's VGA output to your display device.

- Connect one of the USB-C power cables to the receiver's Type-C charging port and the other end to the power adapter. Plug the power adapter into a wall outlet. Ensure the receiver is powered on using the ON/OFF switch.

2. **Connect the Transmitter (TX):**
   - Connect the transmitter's HDMI plug to the HDMI output port of your source device (e.g., laptop, PC, TV box, Blu-ray player).
   - Connect the second USB-C power cable to the transmitter's Type-C charging port. If your source device's HDMI port does not provide sufficient power, connect the other end of the USB-C cable to a USB power source (e.g., a USB port on your laptop or a separate USB power adapter).
3. **Establish Connection:**
   - Once both the transmitter and receiver are powered on and connected, they will automatically pair. The indicator lights on both units will turn solid blue when a stable connection is established.
   - Your source device's screen should now be mirrored or extended to your display device.



Image: A visual representation of the plug-and-play setup, showing a laptop connected to the transmitter and a TV connected to the receiver for a wireless meeting display.

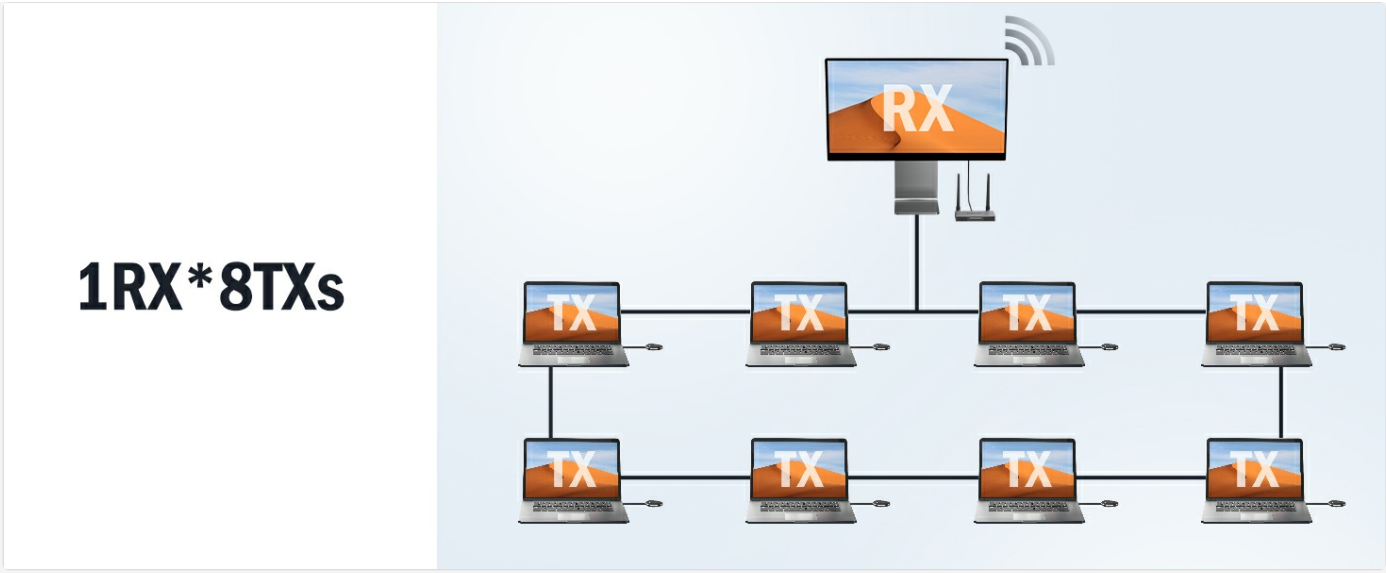


Image: Important note on power supply: If the HDMI interface of the computer does not support power output, an external USB power supply is required for both the transmitter and receiver.

4. Operating Instructions

4.1 Wireless Transmission

The system supports 1080P Full HD video and synchronized audio transmission. The effective wireless range is up to 164 feet (50 meters) in an unobstructed environment. Obstacles like walls can reduce this distance.



Image: A visual comparison highlighting the superior clarity of 1080P HD video with synchronized audio compared to 720P, demonstrating the product's high-quality output.



Image: An illustration demonstrating the effective transmission distance of up to 164 feet (50 meters) in an open office environment, highlighting the product's long-range capability.

4.2 Dual Output Modes (HDMI + VGA)

The receiver unit is equipped with both HDMI and VGA ports, allowing for flexible display options. You can use either

HDMI for digital video and audio, or VGA for video with the 3.5mm audio jack for separate audio output. This is particularly useful for older projectors or monitors that may only have VGA inputs.

4.3 One-Click Switching (Up to 8 Transmitters)

The system supports connecting up to 8 transmitters to a single receiver. This feature is highly beneficial in meeting rooms or collaborative environments, allowing multiple users to share their screens with a single click of the button on their respective transmitters. Only one transmitter can be active at a time.

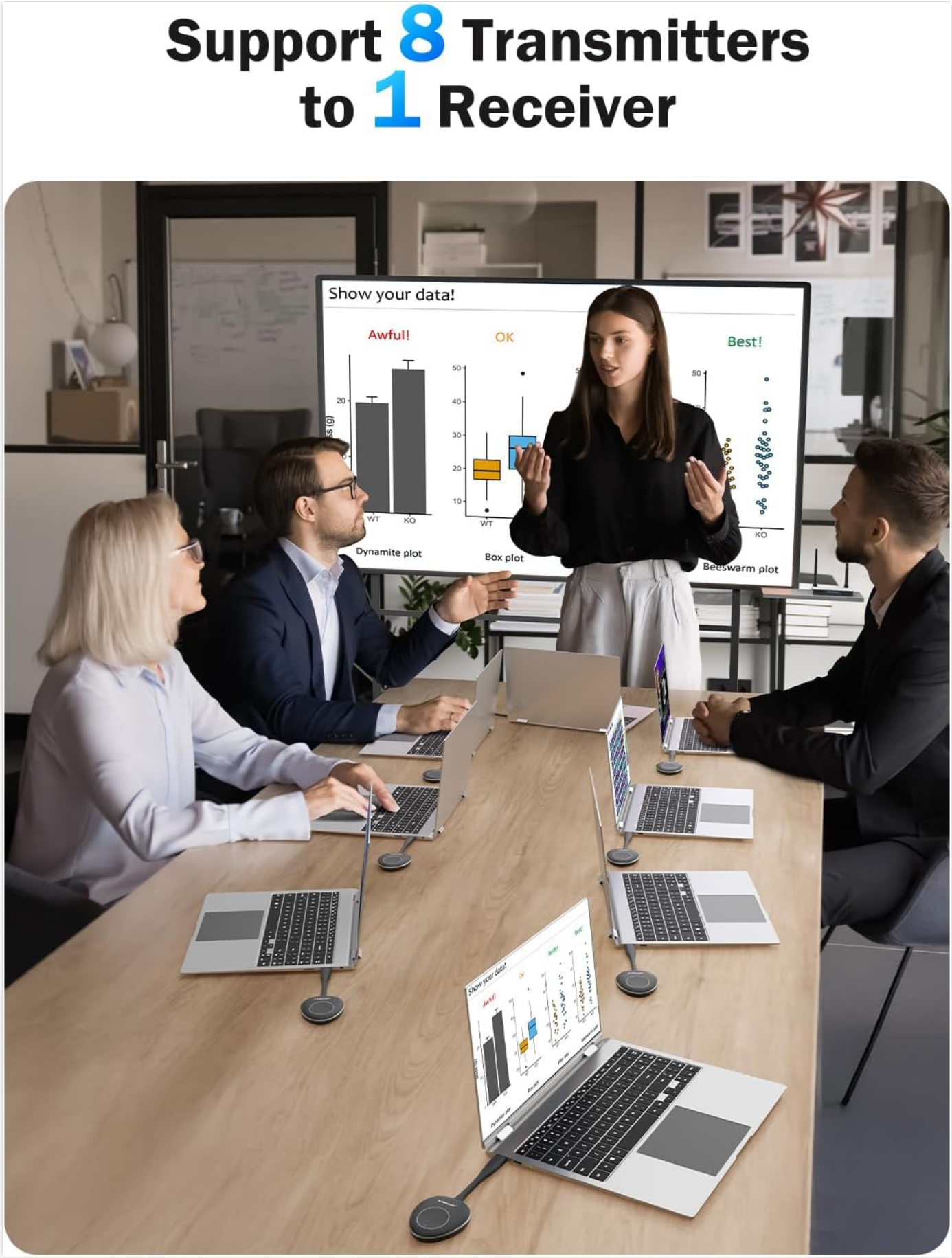


Image: A visual representation of how up to 8 transmitters can connect to a single receiver, enabling multiple users to share their screens in a meeting setting.

4.4 Mirror and Extend Modes

Depending on your operating system settings, you can configure your display to either mirror your source device's screen or extend it, providing additional screen real estate for multitasking.

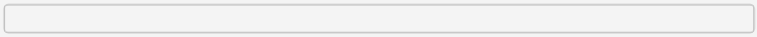


Image: Illustration of Mirror Mode, where the laptop screen is duplicated on the external display, and Extend Mode, where the external display acts as an additional screen.

4.5 Official Product Video

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Video: This official product video from Lemorele demonstrates the setup process, the plug-and-play functionality, and the one-click switching feature of the G50R20L Wireless HDMI Transmitter and Receiver. It highlights the ease of use and the seamless transition between multiple source devices in a meeting or presentation environment.

5. Maintenance

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

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the transmitter and receiver. Avoid using liquid cleaners or aerosols, as they may damage the components.
- **Storage:** When not in use for extended periods, store the devices 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, which could damage internal components.
- **Ventilation:** Ensure that the receiver unit has adequate ventilation to prevent overheating, especially during prolonged use. Do not block the ventilation openings.

6. Troubleshooting

If you encounter issues with your Lemorele Wireless HDMI Transmitter and Receiver, refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
No signal on display.	◦ Units not powered on. ◦ Incorrect input selected on display. ◦ Transmitter/Receiver not paired. ◦ Loose cable connections. ◦ Insufficient power to transmitter.	◦ Ensure both TX and RX units are powered on and indicator lights are solid blue. ◦ Select the correct HDMI/VGA input on your display device. ◦ Check all cable connections are secure. ◦ Ensure the transmitter is receiving adequate power, especially if your source device's HDMI port does not provide enough. Use the USB-C power cable.

Problem	Possible Cause	Solution
Poor video quality or flickering.	◦ Interference from other wireless devices. ◦ Obstacles between TX and RX. ◦ Distance too great.	◦ Minimize interference by moving other wireless devices away. ◦ Ensure a clear line of sight between the transmitter and receiver. ◦ Reduce the distance between the units. Wireless transmission distance is reduced by walls and other obstacles.
Audio issues (no sound or distorted).	◦ Audio settings on source device. ◦ Loose audio cable (if using 3.5mm jack).	◦ Check audio output settings on your source device. ◦ Ensure the 3.5mm audio cable (if used) is securely connected.
Transmitter button not switching.	◦ Transmitter not properly powered. ◦ Not paired with receiver.	◦ Ensure the transmitter is receiving sufficient power. ◦ Verify the transmitter and receiver are paired (solid blue indicator lights).

7. Specifications

Feature	Detail
Brand	Lemorele
Model Number	G50R20L
Connectivity Technology	Wireless HDMI
Video Resolution	Up to 1080P Full HD
Wireless Transmission Range	Up to 164 feet (50 meters)
Wireless Frequency	2.4GHz / 5GHz Dual-Band
Output Ports (Receiver)	HDMI, VGA, 3.5mm Audio
Input Ports (Transmitter)	HDMI
Power Input	USB Type-C (5V)
Item Weight	1.26 pounds
Product Dimensions	4.96 x 2.48 x 0.7 inches
Video Encoding	H.264, H.265/HEVC

8. Warranty and Support

Lemorele offers a one-year product warranty for the Wireless HDMI Transmitter and Receiver Kit. During this period, you may request unconditional return and exchange if you encounter any manufacturing defects or performance issues not caused by misuse.

For any inquiries or assistance, Lemorele provides 24-hour online human customer service. Please refer to the contact information provided in your product packaging or visit the official Lemorele website for support.

Contact Information:

- **Brand Store:** Lemorele Amazon Store
- **Seller:** Lemorele us

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