

## Lemorele G50R20

# Lemorele Wireless HDMI Transmitter Receiver Kit G50R20

## User Manual

### INTRODUCTION

The Lemorele Wireless HDMI Transmitter and Receiver Kit (Model G50R20) provides a stable and efficient solution for wireless video and audio transmission. This kit supports 1080P HD resolution, dual-band 2.4G & 5G WiFi, and offers both HDMI and VGA outputs simultaneously. It is designed for various applications, including presentations, home entertainment, and gaming, allowing for flexible screen sharing up to 50 meters without the need for complex cable setups.



Figure 1: Before and after using the Lemorele Wireless HDMI Kit, illustrating a clutter-free setup.

### PRODUCT OVERVIEW

The Lemorele G50R20 kit consists of a Transmitter (TX) and a Receiver (RX) unit, along with necessary accessories.

#### Components

- **Transmitter (TX) Unit:** Connects to your source device. Features an HDMI connector and a Type-C port for power.
- **Receiver (RX) Unit:** Connects to your display device. Features HDMI, VGA, and Audio output ports.
- **Power Adapter:** For the Receiver unit.

- **Type-C Power Cable:** For the Transmitter unit.
- **User Manual:** This document.



**Figure 2:** Package contents including Transmitter, Receiver, power cables, and adapters.

## Ports and Indicators

Both units utilize dual-band wireless technology for stable signal transmission. The Transmitter (TX) connects to various input devices, while the Receiver (RX) connects to different output displays.



Figure 3: Transmitter (TX) and Receiver (RX) with supported input/output devices.

## SETUP INSTRUCTIONS

The Lemorele Wireless HDMI Kit is designed for simple plug-and-play operation, requiring no driver installation.

1. **Power the Receiver (RX):** Connect the power adapter to the RX unit and plug it into a power outlet. Ensure the RX unit powers on.
2. **Connect the Receiver (RX) to Display:**
  - For HDMI display: Connect an HDMI cable from the RX's HDMI output port to your TV, projector, or monitor's HDMI input.
  - For VGA display: Connect a VGA cable from the RX's VGA output port to your display's VGA input. If audio is desired, connect an audio cable from the RX's 3.5mm audio output to your display's audio input or external speakers.
3. **Connect the Transmitter (TX) to Source:** Plug the TX unit's HDMI connector directly into the HDMI output port of your source device (e.g., laptop, PC, game console).
4. **Power the Transmitter (TX):** Connect the provided Type-C power cable to the TX unit and a reliable USB power source (e.g., your laptop's USB port, a USB wall adapter). The TX unit requires external power to function.
5. **Automatic Connection:** The TX and RX units are designed to automatically establish a connection. Wait a few moments for the connection to be made.
6. **Verify Connection:** Once connected, your source device's screen should appear on the connected display. If not, ensure your display is set to the correct input source (HDMI or VGA).



Figure 4: Simple plug-and-play connection setup.

## OPERATING INSTRUCTIONS

### Display Modes

- **Mirror Mode:** By default, the system will mirror your source device's screen to the connected display, showing identical content on both.
- **Extend Mode:** For compatible source devices (e.g., Windows PCs), you can extend your desktop across the source and the wirelessly connected display, allowing for more screen real estate. This setting is typically configured within your operating system's display settings.



Figure 5: Mirror Mode (duplicate display) vs. Extend Mode (expanded desktop).

### Multi-Device Connection

The receiver can connect to up to 8 transmitter units simultaneously. This feature is ideal for presentations or collaborative environments where multiple users need to share their screens.

- To switch between different source devices, simply press the button on the active transmitter unit you wish to display. The receiver will automatically switch to the signal from the newly activated transmitter.



Figure 6: Multiple transmitters connected to one receiver for seamless switching.

### Transmission Range

The system supports stable wireless transmission up to 50 meters (approximately 164 feet) in environments with a clear line of sight. Obstacles like walls, furniture, or other electronic devices may reduce the effective transmission range and signal quality.



Figure 7: Wireless transmission up to 50m in clear line-of-sight conditions.

## MAINTENANCE

---

Proper maintenance ensures the longevity and optimal performance of your Lemorele Wireless HDMI Kit.

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the units. Do not use liquid cleaners, aerosols, or abrasive materials, as these can damage the device.
- **Storage:** Store the device in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity when not in use.
- **Handling:** Avoid dropping or subjecting the units to strong impacts. Handle the connectors gently to prevent damage.
- **Disassembly:** Do not attempt to disassemble or repair the device yourself. This will void the warranty and may cause damage or injury.

## TROUBLESHOOTING

---

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

- **No Signal / Black Screen:**
  - Ensure both the Transmitter (TX) and Receiver (RX) units are properly powered. The TX unit requires power via its Type-C port.
  - Verify that all HDMI/VGA cables are securely connected between the units and your devices.
  - Check that your display is set to the correct input source (HDMI or VGA).
  - If the wireless connection is lost, try pressing the button on the TX unit to re-establish the connection.
  - Ensure the TX and RX units are within the effective transmission range (up to 50m line-of-sight) and that there are no significant physical obstructions.
- **Poor Image Quality / Lag:**
  - Reduce the distance between the TX and RX units.
  - Minimize interference from other wireless devices (e.g., Wi-Fi routers, cordless phones) by moving them further away.
  - Ensure the source device's resolution output is compatible with 1080p.
- **No Audio:**
  - If using VGA, ensure the 3.5mm audio cable is connected from the RX unit to your display or external speakers.
  - Check your source device's audio output settings to ensure audio is being sent via HDMI/VGA.

- Verify the volume levels on both your source device and display/speakers.

- **Transmitter Not Powering On:**

- Ensure the Type-C power cable is connected to a reliable USB power source providing sufficient power. Some USB ports on laptops may not provide enough power; try a dedicated USB wall adapter.

## SPECIFICATIONS

---

Feature	Detail
Brand	Lemorele
Model Number	G50R20
Resolution	1080p (1920x1080 pixels)
Wireless Technology	2.4G & 5G Dual-Band WiFi
Transmission Distance	Up to 50m (line-of-sight)
Video Output Ports	HDMI, VGA
Audio Output Port	3.5mm Audio Jack
Video Codecs Supported	H.264, H.265/HEVC, VP9, AV1
HDCP Compliance	HDCP1.2
HDMI Standard	HDMI1.3b
Max Transmitters per Receiver	8
Color	Black

## WARRANTY AND SUPPORT

---

### Warranty Information

This Lemorele product is covered by a 1-year limited warranty from the date of purchase. The warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for any warranty claims.

### Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Lemorele customer support. Refer to the product packaging or the official Lemorele website for the most up-to-date contact details.