YUYUNLOMN G58F

YUYUNLOMN Wireless HDMI Transmitter and Receiver Kit (Model G58F) User Manual

Model: G58F | Brand: YUYUNLOMN

1. Introduction

The YUYUNLOMN Wireless HDMI Transmitter and Receiver Kit (Model G58F) provides a seamless solution for wirelessly transmitting HDMI signals from a source device to multiple display devices. This kit supports multi-screen expansion, allowing for simultaneous display on up to six receivers (RXs) from a single transmitter (TX). It is designed for ease of use with plug-and-play functionality, eliminating the need for complex software installations or extensive cabling. Ideal for presentations, home entertainment, educational settings, and more, the G58F ensures high-quality 1080p@60Hz video output with low latency.

2. What's in the Box

The YUYUNLOMN Wireless HDMI Transmitter and Receiver Kit (Model G58F) includes the following components:

- 1 Wireless HDMI Transmitter (TX)
- 4 Wireless HDMI Receivers (RX)
- 1 Mini HDMI Adapter
- 1 Micro HDMI Adapter
- 4 HDMI Extension Cables
- 5 Type-C Charging Cables
- 1 USB-C to HDMI Adapter



Figure 2.1: Kit Contents. This image displays all components included in the YUYUNLOMN Wireless HDMI Transmitter and Receiver Kit, laid out neatly. It shows the main transmitter and four receivers, along with several adapters (Mini HDMI, Micro HDMI, USB-C to HDMI), HDMI extension cables, and Type-C charging cables. A quick guide is also visible.

3. Setup and Installation

3.1 Power Requirements

Both the transmitter (TX) and receivers (RXs) require a 5V/1A or higher power supply via USB. This can be provided by connecting the included Type-C charging cables to a USB-A charger (not included) or directly to the USB ports of laptops, monitors, or TVs.

3.2 Initial Setup (Plug and Play)

The YUYUNLOMN Wireless HDMI Transmitter and Receivers are pre-paired at the factory for immediate use. No Wi-Fi or Bluetooth connection is required for basic operation.

1. Connect the Transmitter (TX) to your source device (e.g., laptop, PC, camera) via its HDMI port. If your device has a USB-C output, use the provided USB-C to HDMI adapter.
2. Connect the TX to a 5V/1A power source using the provided Type-C charging cable.
3. Connect each Receiver (RX) to an HDMI input port on your display device (e.g., TV, projector, monitor).
4. Connect each RX to a 5V/1A power source using the provided Type-C charging cable.
5. The devices should automatically connect and display the content.



Figure 3.1: Transmitter and Receivers. This image shows the compact design of the YUYUNLOMN Wireless HDMI Transmitter and four Receivers, highlighting their HDMI connectors and external antennas. Various adapters are also displayed, indicating broad compatibility.

3.3 Manual Pairing (for new RX units or re-pairing)

If you add new RX units or need to re-pair existing ones, follow these steps:

1. Insert the RX into a monitor and power it with a 5V/1A charger.
2. Insert the TX into your laptop or source device and wait for the connection interface to appear on the display device.
3. Press the TX and RX buttons simultaneously until the TX starts flashing.

4. Release the buttons and wait for 5-30 seconds for synchronization to complete. If the TX stops flashing, pairing is successful.
5. After successful pairing, unplug all receivers and disconnect their power for 3 seconds before reinserting them into the TV or monitor.

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Video 3.1: Pairing Instructions. This video demonstrates the step-by-step process of manually pairing the YUYUNLOMN Wireless HDMI Transmitter and Receiver units, including connecting power, pressing the pair buttons, and observing the indicator lights for successful synchronization.

4. Operating Modes

4.1 Duplicate Mode

In duplicate mode, the content displayed on your source device (e.g., laptop) is mirrored across all connected display devices. This is the default mode for the pre-paired units.

4.2 Extend Mode

The kit supports extending your display, allowing you to have different content on your source device and the connected external displays. This is particularly useful for presentations where you might want to view notes on your laptop while displaying a presentation on larger screens.

- **For Windows:** Press "Windows + P" and select the "Extend" option.
- **For MacBook:** Navigate to "Displays" in System Settings and configure the extended display.

Note: When using extend mode, the content on the laptop will be one display, and the content on all connected receivers will be a second, extended display. You cannot extend separately to each of the four receivers to have four unique extended displays.

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Video 4.1: Extended Display Mode. This video illustrates the use of the YUYUNLOMN Wireless HDMI Kit in extended display mode, showing how a laptop's screen can be extended to multiple external monitors, allowing for different content to be displayed on the laptop and the connected screens.

4.3 Multi-Screen Expansion

One transmitter (TX) can connect to up to six receivers (RXs) simultaneously, enabling multi-screen displays. This allows for synchronized video, audio, and presentations across multiple TVs or monitors.



Figure 4.1: Multi-Screen Setup. This diagram illustrates how a single transmitter can broadcast content to multiple receivers, supporting up to six displays simultaneously for a comprehensive multi-screen experience.

4.4 TuTuPlay App for Mobile Devices

The TuTuPlay app (available for iOS and Android) allows you to mirror your laptop screen to your smartphone or tablet. This enables additional monitoring or display options.

1. Download and install the TuTuPlay application on your mobile device.
2. Connect your mobile device to the "TuTuPlay-xxx" Wi-Fi network (password: "12345678").
3. Open the TuTuPlay app to begin mirroring.

Note: Ensure the local network option is enabled for the TuTuPlay App in your iPad settings if connection issues occur. The current version does not support reverse control of laptops from phones/iPads.

5. Features

- **Dual-Band Wireless Transmission:** Utilizes 2.4GHz and 5GHz dual-band technology with a dual-antenna design for stable and strong signal transmission.
- **Extended Range:** Supports wireless transmission up to 165 feet (50 meters) in open areas. When transmitting through walls or obstacles, the range may reduce to approximately 50 feet (15 meters).
- **High-Definition Output:** The transmitter decodes 4K@60Hz or 1080P@60Hz video signals and outputs full HD video at 1080P@60Hz to all connected displays.
- **Low Latency:** Optimized algorithms and efficient transmission protocols ensure minimal delay between source and display, maintaining audio and video synchronization.
- **Efficient Heat Dissipation:** Features a thermal dissipation structural design with high-efficiency cooling components and intelligent temperature control technology to prevent overheating and extend product lifespan.
- **Wide Compatibility:** Connects with various HDMI output devices such as laptops, PCs, HDMI cameras, Blu-ray players, set-top boxes, and more. Includes USB-C to HDMI, Micro HDMI, and Mini HDMI adapters for broader

device support.



Figure 5.1: Dual Antenna Design. This image provides a close-up view of the receiver unit, emphasizing its dual antenna design which contributes to stable and powerful signal transmission.



Figure 5.2: Efficient Heat Dissipation. This diagram highlights the internal thermal dissipation structural design of the device, showing how it manages heat to ensure stable performance and longevity.

6. Troubleshooting

- **No Display/Signal:** Ensure both the TX and all RXs are properly powered with a 5V/1A source. Verify all HDMI connections are secure. Re-attempt manual pairing if necessary.
- **Intermittent Signal:** Check for obstructions between the TX and RX units. While the device can transmit through walls, heavy interference or multiple walls can reduce range and signal stability. Ensure antennas are unfolded and

positioned optimally.

- **Apple TV Box Compatibility:** If using with an Apple TV box, adjust the output resolution of the TV box to 1080P 60Hz for optimal performance.
- **TuTuPlay App Connection Issues:** For iPad users, ensure the "Local Network" option is enabled for the TuTuPlay App in your iPad's settings.
- **Overheating:** The device is designed with efficient heat dissipation. If it feels excessively hot, ensure it has adequate ventilation and is not covered.

7. Specifications

Feature	Detail
Brand	YUYUNLOMN
Model Name	G58F
Connectivity Technology	Wi-Fi, HDMI, Wireless
Connector Type	HDMI, Micro HDMI, Mini HDMI, USB-C to HDMI
Resolution	1080p (Output)
Transmission Range	Up to 165FT/50M (open area), ~50FT/15M (through walls)
Wireless Frequency	5.8GHz/2.4GHz Dual Band
Power Supply	5V/1A (via USB-C)
Item Weight	1.58 pounds
Product Dimensions	3.93 x 2.24 x 0.7 inches

8. Maintenance

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

- **Cleaning:** Use a soft, dry cloth to clean the devices. Avoid using liquid cleaners or aerosols.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Handle the transmitter and receivers with care to avoid physical damage. Do not bend or apply excessive force to the HDMI connectors or antennas.
- **Ventilation:** Ensure adequate airflow around the devices during operation to facilitate heat dissipation.

9. Warranty and Support

For warranty information and technical support, please refer to the official YUYUNLOMN website or contact their customer service directly. Keep your purchase receipt for warranty claims.

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