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› WELUSOPU Wireless HDMI Extender System (Model G123-3) - User Manual

## WELUSOPU G123-3

# WELUSOPU Wireless HDMI Extender System (Model G123-3)

User Manual

## 1. INTRODUCTION

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The WELUSOPU Wireless HDMI Extender System (Model G123-3) provides a solution for wirelessly transmitting high-definition audio and video signals from a source device to multiple displays. This system operates on 5.8G/2.4G dual-band frequencies, supporting 4K input and 1080p output, with a transmission range of up to 165 feet (50 meters). It is designed for various applications including home theaters, conference rooms, classrooms, and commercial environments.

## 2. PACKAGE CONTENTS

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Please verify that all items listed below are included in your package:

- 1 x WELUSOPU Wireless HDMI Transmitter (TX)
- 3 x WELUSOPU Wireless HDMI Receivers (RX)
- 4 x USB C Charging Cables
- 1 x User Manual
- 1 x HDMI Extension Cable
- 1 x Micro HDMI Adapter
- 1 x Mini HDMI Adapter

# Package Included



- 1×Transmitter
- 3×Receivers
- 4×USB C Cables
- 1×Mini / Micro HDMI Adapters
- 1×HDMI Extension Cable
- 1×User Manual

Image: All components included in the WELUSOPU Wireless HDMI Extender System package, showing the transmitter, three receivers, cables, and adapters.

## 3. PRODUCT OVERVIEW

The WELUSOPU Wireless HDMI Extender System consists of a transmitter (TX) and multiple receivers (RX). The transmitter connects to your source device (e.g., laptop, cable box), and the receivers connect to your display devices (e.g., TV, monitor, projector).

### Key Features:

- **Multi-Display Casting:** Supports up to 6 receivers simultaneously, plus an optional 7th display via a mobile app.
- **Long Range Transmission:** Stable signal up to 165 feet (50 meters) in open spaces.
- **Low Latency:** Advanced 5.8G/2.4G dual-band technology with auto frequency hopping ensures minimal delay.
- **High Quality:** Supports 4K input and 1080p HD output with stereo sound.
- **Plug and Play:** No Bluetooth, Wi-Fi, or apps required for basic setup.

- **Overheating Prevention:** Upgraded chips designed to prevent overheating for continuous use.
- **Mobile Device Integration:** Use a dedicated app to mirror content to up to 6 touch-screen devices (iOS & Android) as additional displays.



Image: The WELUSOPU Wireless HDMI Transmitter and three Receivers, showcasing their compact design and external antennas.

## 4. SETUP INSTRUCTIONS

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Follow these steps to set up your WELUSOPU Wireless HDMI Extender System:

### 4.1 Basic Connection (1 Transmitter to 1 Receiver)

1. **Connect the Receiver (RX):** Plug one WELUSOPU Wireless HDMI Receiver into an available HDMI input port on your display device (TV, monitor, projector). Connect a USB-C charging cable to the RX unit and plug the other end into a USB power source (e.g., TV's USB port, USB wall adapter). Ensure the RX unit is powered on.



Image: A receiver unit connected to the HDMI port of a television and powered via a USB cable.

2. **Connect the Transmitter (TX):** Plug the WELUSOPU Wireless HDMI Transmitter into the HDMI output port of your source device (e.g., laptop, PC, cable box). Connect a USB-C charging cable to the TX unit and plug the other end into a USB power source. Ensure the TX unit is powered on.



Image: A transmitter unit connected to the HDMI port of a laptop and powered via a USB cable.

3. **Automatic Connection:** After both TX and RX units are powered on, they will automatically connect. Wait approximately 5 seconds for the content from your source device to appear on the display.



Image: A laptop connected to the transmitter and a TV displaying content from the receiver, illustrating the plug-and-play functionality.

## 4.2 Connecting Multiple Receivers (Up to 6)

To use multiple receivers with one transmitter, each new receiver must be paired individually:

1. Ensure the transmitter (TX) is connected to your source device and powered on.
2. Connect a new receiver (RX) to an HDMI input on a display and power it on.
3. On the receiver (RX) unit, **long press the RX button** until the display shows 'Pairing'.
4. On the transmitter (TX) unit, **long press the TX button** until its light turns off, then release. The TX will enter pairing mode.
5. The RX and TX units will pair. Once successfully paired, the content will appear on the new display. Repeat this process for each additional receiver.

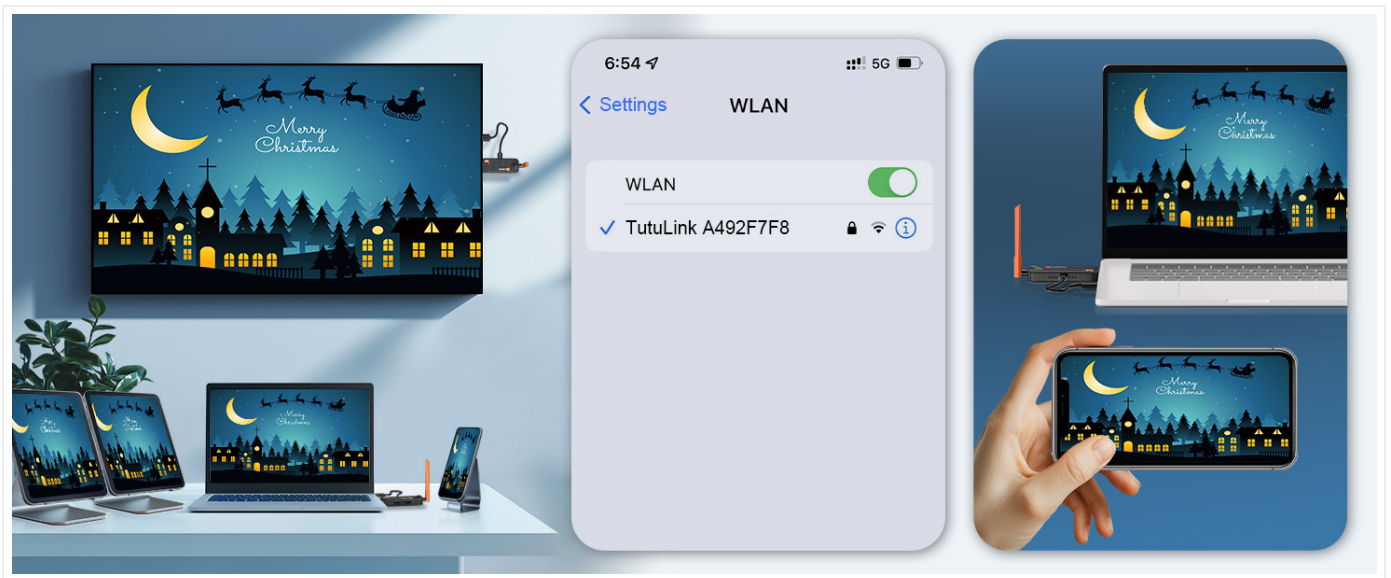


Image: Step-by-step visual guide for pairing additional receivers to the transmitter by pressing the RX and TX buttons.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Multi-Display Casting

Once all receivers are paired and connected, the system will automatically cast the content from your source device to all connected displays simultaneously. The system supports up to 6 receivers for synchronized viewing.

# Up to 6 Receivers

Supports 1 transmitter connected to up to 6 receivers, while transforming your mobile device into a 7th display through app download.

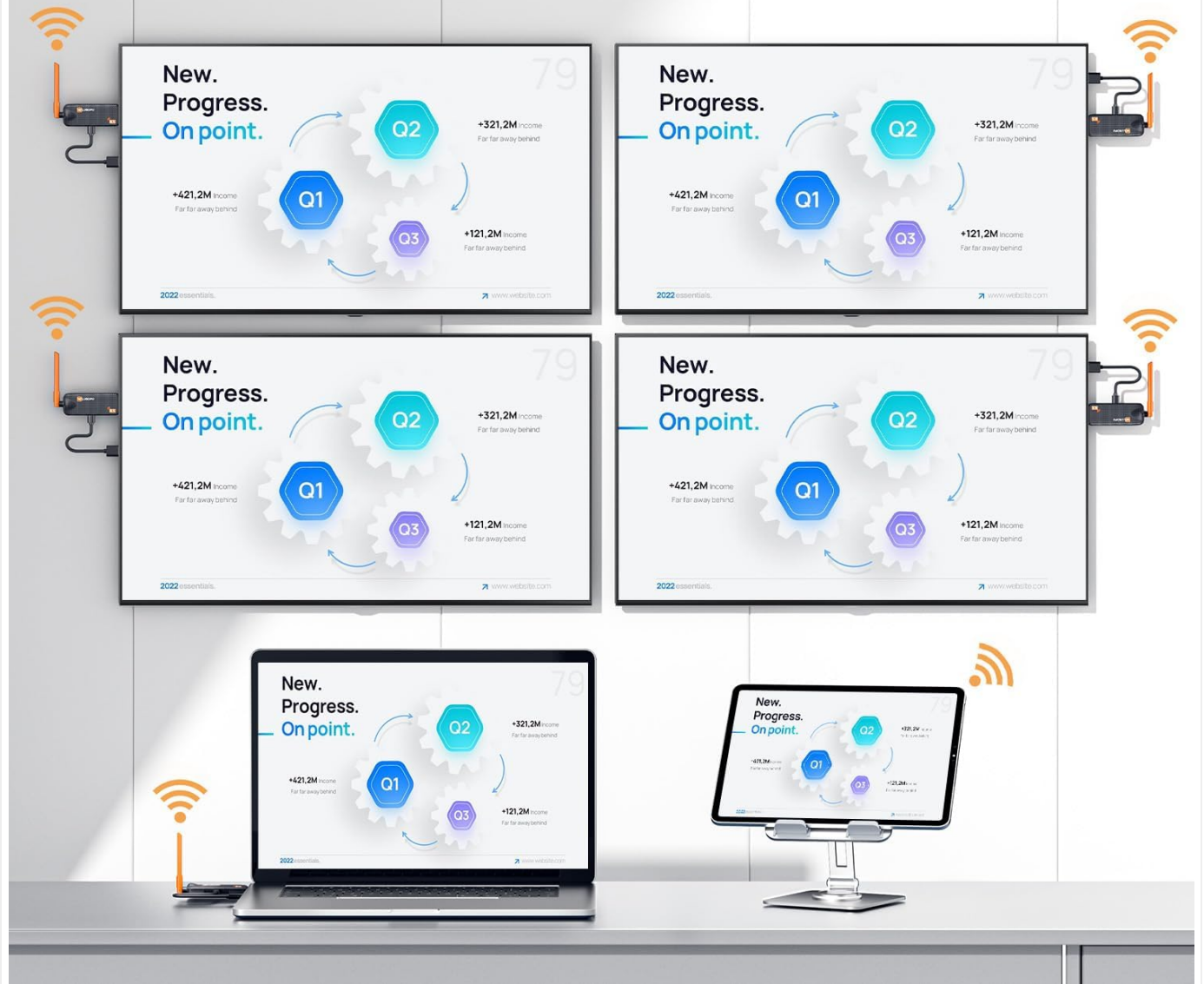


Image: A setup demonstrating one transmitter casting content to four separate displays, with an additional laptop and tablet also showing the content via app.

## 5.2 Extend and Mirror Modes

The system supports both Extend and Mirror modes, depending on your source device's capabilities and settings. You can configure these modes through your computer's display settings.

- **Mirror Mode:** Duplicates the content of your primary screen onto the connected displays.
- **Extend Mode:** Extends your desktop across multiple screens, allowing for more workspace.



Image: A visual representation contrasting Extend Mode, where a laptop's display is expanded to a second screen, and Mirror Mode, where the laptop's display is duplicated on a second screen.

### 5.3 Smartphone & Tablet Display Function (App Required)

For additional flexibility, you can use the WELUSOPU app to mirror content to up to 6 touch-screen devices (iOS & Android). This allows you to view your HDMI output on smartphones or tablets. Note that this function supports mirroring only and does not offer reverse operations.



Image: A smartphone and tablet connected wirelessly to the system, displaying content from a source device, illustrating the app casting function.

## 6. COMPATIBILITY

The WELUSOPU Wireless HDMI Extender System is compatible with a wide range of HDMI-enabled devices:

- **Source Devices (Transmitter - TX):** Cable boxes, Blu-ray players, DVD players, laptops, PCs, MacBooks, streaming devices (e.g., Roku, Apple TV, Fire Stick), DSLR cameras, camcorders, set-top boxes, gaming consoles (PS3/4/5).
- **Display Devices (Receiver - RX):** HDTVs, monitors, projectors, soundbars, karaoke systems.

# Universal Compatibility

## Transmitter - TX



Set-top box



Camera



Laptop



PC



Surveillance



PS3/4/5



DV



DVD



## Receiver - RX - Up to 4



HDTV



Monitor



Projector



Splitter



## App Casting Function



+



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TX + HDMI Output Device

Only supports iOS/Android

Image: A comprehensive diagram illustrating the wide range of compatible source devices (Transmitter) and display devices (Receiver) for the WELUSOPU system, including an icon for the app casting function.

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your WELUSOPU Wireless HDMI Extender System, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the devices. Avoid using liquid cleaners or aerosols, which 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 transmitter and receivers with care. Avoid dropping them or subjecting them to strong impacts.
- **Ventilation:** Ensure proper ventilation around the units during operation to prevent heat buildup, although the upgraded chips are designed to mitigate overheating.

## 8. TROUBLESHOOTING

If you encounter issues with your WELUSOPU Wireless HDMI Extender System, please refer to the following common problems and solutions:

Problem	Possible Cause / Solution
No signal on display	<ul style="list-style-type: none"><li>◦ Ensure both TX and RX units are properly powered and their indicator lights are on.</li><li>◦ Verify that the HDMI cables are securely connected to both source and display devices.</li><li>◦ Check if the display is set to the correct HDMI input source.</li><li>◦ Re-pair the TX and RX units as described in Section 4.2.</li><li>◦ Try connecting the TX and RX units directly without extension cables or adapters to rule out compatibility issues.</li></ul>
Intermittent signal or poor video quality	<ul style="list-style-type: none"><li>◦ Reduce the distance between the TX and RX units.</li><li>◦ Ensure there are no significant obstructions (e.g., thick walls, metal objects) between the units.</li><li>◦ Minimize interference from other wireless devices (e.g., Wi-Fi routers, cordless phones).</li><li>◦ Ensure the TX and RX units have clear line of sight if possible.</li><li>◦ Check if the power supply for both units is stable and sufficient.</li></ul>
Overheating of units	<ul style="list-style-type: none"><li>◦ Ensure the units are placed in a well-ventilated area.</li><li>◦ Avoid covering the units, which can trap heat.</li><li>◦ While upgraded chips are designed to prevent overheating, prolonged use in high ambient temperatures or enclosed spaces can still cause issues. Allow units to cool if they feel excessively hot.</li></ul>
App function not working	<ul style="list-style-type: none"><li>◦ Ensure your smartphone/tablet is connected to the correct Wi-Fi network provided by the WELUSOPU system (if applicable for app connection).</li><li>◦ Verify that the app is updated to the latest version.</li><li>◦ Restart the app and the WELUSOPU TX unit.</li></ul>

## 9. SPECIFICATIONS

Feature	Detail
Brand	WELUSOPU
Model Number	G123-3
Connectivity Technology	HDMI, Wireless (5.8G/2.4G Dual Bands)
Max Resolution Input	4K
Max Resolution Output	1080p @ 60Hz

Feature	Detail
Transmission Range	Up to 165 FT (50 meters) in open spaces
Multi-Receiver Support	Up to 6 receivers simultaneously
Audio Output Mode	Stereo
Surround Sound Channel Configuration	5.1
Video Encoding	H.264, H.265/HEVC
Product Dimensions (TX/RX)	8.66 x 1.37 x 0.59 inches
Item Weight (TX/RX)	0.352 ounces (per unit)

## 10. WARRANTY AND SUPPORT

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WELUSOPU is committed to quality and customer satisfaction. This product comes with a standard manufacturer's warranty. For specific warranty details, please refer to the documentation included with your purchase or contact WELUSOPU customer support.

If you require technical assistance or have questions regarding your WELUSOPU Wireless HDMI Extender System, please contact our customer support team through the retailer's platform or the official WELUSOPU website.