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› POFAN G91 Wireless HDMI Extender User Manual (1 Transmitter, 2 Receivers)

POFAN G91

POFAN G91 Wireless HDMI Extender User Manual

Model: G91 (1 Transmitter, 2 Receivers)

1. INTRODUCTION

The POFAN G91 Wireless HDMI Extender system allows for the wireless transmission of high-definition audio and video signals from a source device to multiple display devices. This package includes one transmitter (TX) and two receivers (RX), enabling simultaneous display on up to two televisions or projectors. The system supports 1080P@60Hz resolution, offers plug-and-play functionality, and is compatible with a wide range of devices.



Image 1.1: POFAN G91 Wireless HDMI Extender components.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x POFAN G91 Wireless HDMI Transmitter (TX)
- 2 x POFAN G91 Wireless HDMI Receivers (RX)
- USB Power Cables
- HDMI Adapters (Mini/Micro HDMI)
- User Manual

3. PRODUCT FEATURES

- **Multi-Monitor Support:** Connects one transmitter to up to four receivers (additional receivers sold separately) for simultaneous display on multiple screens. This package includes 1 TX and 2 RX units.
- **High-Quality Transmission:** Utilizes foldable antennas for stable signal transmission up to 100 feet (30 meters) without obstructions. Range may be reduced to 3-5 meters through cement walls.
- **High Refresh Rate & Low Delay:** Equipped with a 5GHz chip, providing 1080P@60Hz resolution with

ultra-low latency (0.1s), suitable for streaming, gaming, and presentations.

- **Plug and Play:** Pre-paired from the factory, requiring no app downloads, Bluetooth, or Wi-Fi setup for basic operation.
- **Wide Compatibility:** Compatible with most HDMI-enabled devices including laptops, PCs, cameras, set-top boxes, Blu-ray/DVD players, Roku, smartphones, tablets, and game consoles.
- **Dual-Band Connectivity:** Supports both 2.4GHz and 5.8GHz Wi-Fi for stable and uninterrupted connections.
- **RScreen App:** Offers an optional RScreen app for seamless laptop-to-phone or tablet mirroring, transforming your mobile device into a secondary screen.

4. SETUP INSTRUCTIONS

Follow these steps to set up your POFAN G91 Wireless HDMI Extender:

4.1. Basic Connection (Transmitter to Receiver)

1. **Power the Receiver (RX):** Connect the receiver to a power source (e.g., a USB charger or TV's USB port) that provides at least 5V/1A.
2. **Connect RX to Display:** Plug the HDMI end of the receiver into the HDMI input of your television, monitor, or projector.
3. **Power the Transmitter (TX):** Connect the transmitter to a power source (e.g., a USB charger or laptop's USB port) that provides at least 5V/1A.
4. **Connect TX to Source Device:** Plug the HDMI end of the transmitter into the HDMI output of your source device (e.g., laptop, PC, cable box).
5. **Wait for Connection:** The system is pre-paired. After connecting both TX and RX, wait approximately 5-10 seconds for the devices to automatically connect and begin streaming.



Image 4.1: Output Method 1: Transmission from transmitter to receiver.

4.2. Connecting Multiple Receivers

To use multiple receivers with one transmitter (up to 4 receivers supported), additional receivers must be purchased separately and paired with the transmitter initially. Once paired, they will function as plug-and-play.

1. **Pairing New Receivers:** When adding new receivers, press and hold the function button on the new RX unit to enter pairing mode. Then, press the function button on the TX unit to complete the pairing process.
2. **Connect Paired Receivers:** After successful pairing, connect each receiver to its respective display device and insert the transmitter into the HDMI output device to establish the connection.
3. **Synchronization:** Wait for 5-8 seconds for all successfully matched receivers to synchronize with the screen.



Image 4.2: Output Method 3: Output from transmitter to multiple receivers.

5. OPERATING INSTRUCTIONS

5.1. Standard Operation

Once the transmitter and receiver(s) are connected and powered, the system will automatically establish a connection and mirror the content from your source device to the connected displays. No further action is typically required for basic mirroring.

5.2. Using the RScreen App for Smartphone/Tablet Mirroring

The RScreen app allows you to mirror content from your smartphone or tablet to the display via the transmitter.

1. **Connect TX to Power:** Ensure the TX unit is connected to a power source.
2. **Install RScreen App:** Download and install the "RScreen" app on your iPhone or Android smartphone/tablet.
3. **Connect to RScreen Wi-Fi:** Go to your phone's Wi-Fi settings and connect to the Wi-Fi network starting with "RScreen xxx". The default password is "12345678".
4. **Open RScreen App:** Launch the RScreen app on your device for syncing and mirroring.



Image 5.1: Output Method 2: Output from the transmitter to the phone.

5.3. Channel Switching

If you experience frequent product restarts, buffering, or distorted images, you can switch channels to ensure a more stable signal. This feature is typically accessed via the RScreen app or a physical button on the device, if available.



Image 5.2: Channel switching for signal stability.

5.4. Video Tutorials

Video 5.1: Tutorial for connecting the transmitter to an Android phone.

Video 5.2: Tutorial for connecting the transmitter to an iPhone.

6. MAINTENANCE

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself, as this may void the warranty and cause damage.

7. TROUBLESHOOTING

- **No Signal/Black Screen:**
 - Ensure both the transmitter (TX) and receiver (RX) are properly powered with a 5V/1A adapter.

Insufficient power can cause interruptions.

- Verify that the HDMI cables and adapters are securely connected to both the source device and the display.
- Check if the display is set to the correct HDMI input source.
- Confirm that the TX and RX units are within the effective transmission range and not obstructed by thick walls or other interference sources.

• **Intermittent Connection/Buffering:**

- Ensure a stable 5V/1A power supply for both units.
- Reduce the distance between the TX and RX units.
- Minimize obstructions between the units.
- Try switching to a different wireless channel using the RScreen app or device controls to avoid interference.

• **Unable to Pair New Receivers:**

- Ensure the new RX unit is powered on.
- Press and hold the function button on the RX until it enters pairing mode, then press the function button on the TX.
- Refer to the pairing instructions in Section 4.2.

• **RScreen App Connection Issues:**

- Verify that your smartphone/tablet is connected to the "RScreen xxx" Wi-Fi network provided by the transmitter.
- Ensure the correct password ("12345678") is entered.
- Restart the RScreen app and try connecting again.

8. SPECIFICATIONS

Feature	Detail
Model Number	G91
Product Dimensions	7 x 3.5 x 0.8 inches
Item Weight	15.5 ounces
Connector Type	HDMI
Max Resolution	1080P@60Hz
Wireless Frequency	2.4GHz / 5.8GHz Dual-Band
Power Supply	5V/1A (minimum)
Max Receivers (per TX)	4 (additional receivers sold separately)

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official POFAN website. Keep your purchase receipt for warranty claims.

