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› [LUOUY](#) /

› [M VAVE WP12 Wireless In-Ear Monitor System User Manual](#)

LUOUY WP 12

M VAVE WP12 Wireless In-Ear Monitor System User Manual

Model: WP 12

1. INTRODUCTION

The M VAVE WP12 is a 2.4G Wireless In-Ear Monitor System designed for musicians, DJs, and live performers. It provides a reliable and high-quality stereo ear return monitoring transmission, ensuring clear audio feedback during performances or studio sessions. This system features automatic frequency hopping technology, low latency, and multi-device support, making it suitable for various professional audio environments.

This manual provides detailed instructions on how to set up, operate, and maintain your WP12 system to ensure optimal performance and longevity.

2. WHAT'S IN THE BOX

Please check the package contents to ensure all items are present:

- 1 x Wireless Transmitter
- 2 x Wireless Receiver
- 1 x Type-C Cable
- 1 x 3.5mm to 6.35mm Adapter
- 2 x 3.5mm Audio Cable



Image: All components included in the M VAVE WP12 Wireless In-Ear Monitor System package.

3. PRODUCT FEATURES

- **Multi-device Support:** Supports one transmitter transmitting to multiple receivers, ideal for small to medium-sized stage performances and band practice.
- **2.4GHz Wireless Technology:** Utilizes 2.4G wireless technology for lossless sound quality, low noise, and low latency (<14.9ms).
- **True Stereo/Mono Switchable:** Allows switching between true stereo and mono modes for flexible audio monitoring.
- **Auto-Pairing:** Automatic pairing feature simplifies setup; no manual channel selection required.
- **Long Battery Life:** Built-in rechargeable batteries with status indicators. Transmitter battery life up to 24 hours, Receiver battery life up to 6 hours.
- **Effective Range:** Up to 30 meters outdoor transmission distance.
- **One-touch Mute:** Transmitter features a one-touch mute button with red light prompt.
- **Adjustable Volume:** Receivers have adjustable volume control.

4. SETUP GUIDE

4.1 Initial Charging

Before first use, fully charge the transmitter and receivers. Use the provided Type-C cable and a 5V 1A charger (not included).

- Connect the Type-C cable to the charging port on the transmitter and receivers.
- **Transmitter:** The four LED indicators will show charging progress.
- **Receiver:** During charging, if the receiver's battery exceeds 80%, the green LED flashes intermittently. When the

battery is above 95%, the LED turns off automatically.



Image: USB Type-C charging ports on the transmitter base for the receivers.



Image: Receivers docked in the transmitter for charging.

4.2 Auto-Pairing

The WP12 system features automatic pairing for quick setup:

1. Ensure both the transmitter and receivers are sufficiently charged.
2. Turn on the power for both the transmitter and receivers.
3. On the receivers, long press the two "PAIR" buttons simultaneously.
4. Wait until the green light on the receivers stops flashing. This indicates successful pairing.
5. The system is now ready for use.



Image: Close-up of two receivers, highlighting the pair and volume buttons.

4.3 Connecting to Audio Source

Connect the transmitter to your audio source (e.g., mixer, audio interface, guitar amplifier) using the appropriate audio cable and adapter.

- Use the 3.5mm audio cable to connect the transmitter's input to a 3.5mm output on your audio device.
- If your audio device has a 6.35mm output, use the provided 3.5mm to 6.35mm adapter with the 3.5mm audio cable.

Connect your in-ear monitors or headphones to the 3.5mm output jack on the receivers.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- **Transmitter:** Press and hold the power button on the transmitter to turn it on or off.
- **Receivers:** Press and hold the power button on each receiver to turn it on or off.



Image: Overview of the transmitter and receivers, showing power controls.

5.2 Volume Adjustment

On each receiver, use the "VOL+" and "VOL-" buttons to adjust the monitoring volume to your desired level.

5.3 Mute Function

The transmitter features a one-touch mute button. Press the mute button to temporarily silence the audio transmission. A red light prompt will indicate that the transmitter is muted.

5.4 Channel Mode Switching (Mono/Stereo)

The WP12 system supports switching between True Stereo and Mono modes. Refer to the receiver's function indicator for the current channel mode. Specific instructions for switching modes are typically found in the quick start guide or indicated by the receiver's LED behavior.

5.5 Multi-Device Operation

One transmitter can transmit to multiple receivers simultaneously. This is useful for bands or groups where multiple members need to monitor the same audio feed. For optimal performance, it is recommended to maintain a spacing of 2-3 meters between individual units (transmitter and receivers).

6. MAINTENANCE

6.1 Battery Status Indicators

- **Receiver:** When the receiver's battery is below 20%, the red LED flashes intermittently.
- **Transmitter:** The four LED indicators on the transmitter show the battery level.

Recharge the units promptly when battery levels are low to ensure uninterrupted operation.

6.2 Cleaning and Storage

- Clean the units with a soft, dry cloth. Do not use liquid cleaners or solvents.
- Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- When not in use for extended periods, ensure the batteries are partially charged (around 50%) to prolong their lifespan.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from receivers.	Receivers or transmitter not powered on. Not paired correctly. Volume too low. Audio cable not connected properly. Transmitter muted.	Ensure all units are powered on. Perform auto-pairing again. Increase receiver volume. Check all audio cable connections. Press the mute button on the transmitter to unmute.
Intermittent signal or static.	Out of effective range. Interference from other 2.4GHz devices. Obstructions between units.	Move closer to the transmitter. Move away from other wireless devices (Wi-Fi routers, microwaves). Ensure clear line of sight between transmitter and receivers.
Receivers not charging.	Cable not connected properly. Faulty charger or cable. Receivers not seated correctly in transmitter charging slots.	Check Type-C cable connection to both receiver and power source. Try a different Type-C cable and 5V 1A charger. Ensure receivers are fully seated in the charging slots.

8. SPECIFICATIONS

Feature	Detail
Operating Band	2.4GHz Band
Sampling Rate	24-bit / 48kHz
Latency	<14.9ms
Effective Range	30 meters outdoor transmission distance
Transmitter Battery Life	24 hours
Receiver Battery Life	6 hours
Transmitter Battery Capacity	1800mAh
Receiver Battery Capacity	200mAh

Feature	Detail
Channels	True Stereo / Switchable between Mono and Stereo
Multi-device Support	Supports up to 4 devices operating simultaneously; one transmitter to multiple receivers
Recommended Inter-device Spacing	2-3 meters
Power Supply	Built-in lithium battery, rechargeable via USB Type-C port (5V 1A charger recommended)
Transmitter Weight	75g
Receiver Weight	15g
Model Number	WP 12
UPC	607851318829

9. WARRANTY AND SUPPORT

This product is covered by the standard manufacturer's warranty. For detailed warranty information, please refer to the documentation provided with your purchase or contact the manufacturer directly.

For technical support, troubleshooting assistance, or inquiries regarding replacement parts, please contact LUOUY customer service. Contact information can typically be found on the product packaging or the manufacturer's official website.