M-Vave WP9

M-Vave Air Bridge WP9 Wireless In-Ear Monitor System

User Manual

Model: WP9 | Brand: M-Vave

1. Introduction

Thank you for choosing the M-Vave Air Bridge WP9 Wireless In-Ear Monitor System. This system is designed to provide musicians, performers, and audio enthusiasts with crystal-clear sound and unparalleled freedom. Operating on a 2.4GHz frequency band, it ensures stable and reliable audio transmission. This manual provides detailed instructions for setting up, operating, and maintaining your device to ensure optimal performance.



Figure 1.1: M-Vave Air Bridge WP9 Wireless In-Ear Monitor System (Transmitter and Receiver)
This image displays the two main components of the system: the transmitter on the left and the receiver on the right. The transmitter is shown with a 6.35mm adapter connected to its input, while the receiver has a 3.5mm headphone jack connected to a pair of in-ear headphones. Both units are compact and black, featuring the M-Vave logo and 'PAIR' indicator lights.

2. Product Overview

2.1 Included Components

Upon unboxing your M-Vave Air Bridge WP9 system, please ensure all the following components are present:

- M-Vave WP9 Transmitter Unit
- M-Vave WP9 Receiver Unit
- USB Charging Cable
- 3.5mm to 3.5mm Audio Cable
- 3.5mm to 6.35mm Audio Adapter
- User Manual (this document)



Figure 2.1: Package Contents

This image shows all items included in the M-Vave Air Bridge WP9 package. From left to right, there is a user manual, a USB charging cable, a 3.5mm to 3.5mm audio cable, and a 3.5mm to 6.35mm audio adapter. The transmitter and receiver units are also visible, confirming the complete set of accessories.

2.2 Device Features and Controls

Familiarize yourself with the various ports and controls on both the transmitter and receiver units:



Figure 2.2: Transmitter and Receiver Controls

This diagram illustrates the layout of buttons and ports on both the M-Vave Air Bridge WP9 receiver (left) and transmitter (right). Key features highlighted include the Pairing Button, Headphone/Speaker Port (on receiver), Mobile Phone/Musical Instrument Port (on transmitter), Mono/Stereo Switch, Channel Indicator, Battery/Charging Indicator, Power ON/OFF switch, Volume Up (VOL+) and Volume Down (VOL-) buttons (on receiver), and the Charging Interface at the bottom of both units.

- **Pairing Button:** Used to initiate the pairing process between the transmitter and receiver.
- **Headphone/Speaker Port (Receiver):** 3.5mm output for connecting headphones or a speaker.
- **Mobile Phone/Musical Instrument Port (Transmitter):** 3.5mm input for connecting audio sources like phones, instruments, or mixers.
- **Mono/Stereo Switch:** Allows switching between mono and stereo audio modes.
- **Channel Indicator:** Displays the current operating channel.
- **Battery/Charging Indicator:** Shows battery status and charging progress.
- **Power ON/OFF Switch:** Toggles the device power.
- **VOL+ / VOL- Buttons (Receiver):** Adjusts the output volume on the receiver.
- **Charging Interface:** USB port for charging the built-in lithium-ion battery.

3. Setup

Follow these steps to set up your M-Vave Air Bridge WP9 system for the first time:

3.1 Charging the Devices

1. Connect the supplied USB charging cable to the Charging Interface on both the transmitter and receiver units.
2. Plug the other end of the USB cable into a standard USB power adapter (not included) or a computer USB port.
3. The Battery/Charging Indicator will illuminate during charging. Once fully charged, the indicator will change or turn off (refer to the indicator behavior in the specifications).
4. A full charge typically provides several hours of operation.

3.2 Connecting Audio Sources and Output Devices

1. **Transmitter Connection:** Connect your audio source (e.g., mobile phone, musical instrument, mixer, audio interface) to the *Mobile Phone/Musical Instrument Port* on the transmitter unit using the appropriate audio cable (3.5mm to 3.5mm or 3.5mm to 6.35mm adapter).
2. **Receiver Connection:** Connect your headphones or speaker to the *Headphone/Speaker Port* on the receiver unit using a 3.5mm audio cable.



Figure 3.1: Connection Diagram

This diagram visually explains how to connect the M-Vave Air Bridge WP9 system. The top part shows an audio source (represented by a mobile phone and a guitar) connecting to the transmitter unit. The bottom part shows the receiver unit connecting to an audio output device (represented by headphones and a speaker). This illustrates the signal flow from input source to output device via the wireless system.

3.3 Pairing the Transmitter and Receiver

The units are typically pre-paired from the factory. If they do not connect automatically, follow these steps:

1. Turn on both the transmitter and receiver units using their respective Power ON/OFF switches.
2. Press and hold the *Pairing Button* on both the transmitter and receiver simultaneously until their 'PAIR' indicator lights start blinking rapidly.
3. Release the buttons. The units will automatically search for each other.
4. Once successfully paired, the 'PAIR' indicator lights on both units will turn solid.

4. Operating

4.1 Powering On/Off

To power on or off either unit, slide the *Power ON/OFF Switch* to the 'ON' or 'OFF' position respectively.

4.2 Adjusting Volume (Receiver)

Use the *VOL+* and *VOL-* buttons on the receiver unit to adjust the output volume of your headphones or speaker. Press VOL+ to increase volume and VOL- to decrease volume.

4.3 Switching Mono/Stereo Mode

The M-Vave Air Bridge WP9 supports both mono and stereo audio transmission. To switch between modes, use the *Mono/Stereo Switch* located on the side of both units.



Figure 4.1: Mono/Stereo Switch
This image provides a close-up view of the side of an M-Vave Air Bridge unit, highlighting the physical slide switch for selecting between Mono and Stereo modes. The integrated clip is also visible, emphasizing the portable and wearable design of the device. The text overlay states "One Key to Switch Mono/Stereo, Meet Your Different Needs", reinforcing the ease of use and versatility.

- **Mono Mode:** Suitable for single-channel audio sources or when you need the same audio signal in both ears from a mono input.
- **Stereo Mode:** Ideal for stereo audio sources, providing a wider soundstage and channel separation. Ensure your audio source is also outputting in stereo for optimal results.

4.4 Multi-Device Operation

The system supports up to 6 sets of M-Vave Air Bridge devices operating simultaneously in the same environment without interference. Ensure each set is paired correctly and operating on its own channel if applicable (channel selection is automatic upon pairing).

5. Maintenance

5.1 Cleaning

- Wipe the units with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or strong chemicals, as these may damage the surface or internal components.

5.2 Battery Care

- The device contains a built-in rechargeable Lithium-ion battery.
- Charge the battery regularly, even if not in use, to maintain battery health.
- Avoid fully discharging the battery frequently.
- Store the device in a cool, dry place when not in use for extended periods.

5.3 Storage

When storing the device, ensure it is powered off and disconnected from all cables. Store it in a protective case or bag to prevent physical damage.

6. Troubleshooting

If you encounter issues with your M-Vave Air Bridge WP9 system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from receiver	Units not paired; Low battery; Incorrect volume; Incorrect cable connection; Source issue.	Ensure both units are powered on and paired (PAIR indicator solid). Charge both units. Increase receiver volume. Check all audio cable connections. Verify audio source is playing.
Intermittent audio or static	Out of range; Interference from other 2.4GHz devices; Obstructions.	Move closer to the transmitter. Move away from Wi-Fi routers, microwaves, or other 2.4GHz devices. Reduce physical obstructions between units.
Units not pairing	Incorrect pairing procedure; Low battery.	Ensure both units are fully charged. Repeat the pairing procedure carefully (Section 3.3).
Short battery life	Battery not fully charged; Aging battery.	Ensure units are fully charged before use. If battery life significantly degrades, contact customer support.

If the problem persists after trying these solutions, please refer to the Warranty & Support section for further assistance.

7. Specifications

Detailed technical specifications for the M-Vave Air Bridge WP9 Wireless In-Ear Monitor System:

Feature	Specification
Model	WP9

Feature	Specification
Wireless Communication Technology	2.4 GHz
Effective Range (Outdoor)	Up to 30 meters (approx. 98 feet)
Effective Range (Indoor/Through Wall)	Up to 15 meters (approx. 49 feet)
Sampling Rate	24bit/48kHz
Frequency Response	20 Hz - 60.18 kHz
Impedance	64 Ohm
Headphone Jack	3.5 mm jack
Battery Type	Built-in Rechargeable Lithium-ion
Charging Interface	USB
Material	Silicone plastic, rubber
Water Resistance Level	Not water resistant
Dimensions (approx.)	5.5cm (2.2in) H x 4.5cm (1.8in) W x 2cm (0.8in) D
Weight (approx.)	150g (for package, individual unit weight not specified)
Compatible Devices	Desktop PCs, laptops, phones, music production setups
Special Features	Detachable Cable, Lightweight, Rechargeable Battery, Volume Control



Figure 7.1: Device Dimensions

This image provides the approximate dimensions of the M-Vave Air Bridge unit, indicating a height of 5.5 cm (2.2 inches), a width of 4.5 cm (1.8 inches), and a depth of 2 cm (0.8 inches). These compact dimensions highlight the portability of the device.

8. Warranty & Support

Information regarding product warranty and customer support was not available in the provided product details. For warranty claims or technical assistance, please refer to the retailer or manufacturer's official website where you purchased the M-Vave Air Bridge WP9 system. Look for a 'Support' or 'Contact Us' section for the most up-to-date information.

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