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## Middle Rabbit SW4 Pro

# Middle Rabbit SW4 Pro Gaming Earbuds Instruction Manual

Model: SW4 Pro

## INTRODUCTION

The Middle Rabbit SW4 Pro Gaming Earbuds are designed to provide a high-performance audio experience for gaming and multimedia. Featuring dual-mode connectivity (2.4G wireless and Bluetooth 5.4), ultra-low latency, and clear voice communication, these earbuds are compatible with a wide range of devices.

## WHAT'S IN THE BOX

- Middle Rabbit SW4 Pro Gaming Earbuds (Left and Right)
- Charging Case
- 2.4G USB-C Dongle
- USB-A Adapter
- USB-C Charging Cable
- Eartips (various sizes)
- User Manual

## PRODUCT OVERVIEW

# PLUG & PLAY DONGLE



**LC3  
Codec**



Note: Meta Quest 2 is sold separately.

Image: Middle Rabbit SW4 Pro Gaming Earbuds, showing the earbuds and their charging case.

# Connect to Bluetooth Device Simultaneously

## Auto switch for calls:

1 tap = answer call  
2 taps = reject call (keeps dongle device)



## Manual switch:

Long press one earbud for 2s to switch between Dongle and Bluetooth device



Image: Detailed diagram highlighting the four AI-Tuned HD microphones on each earbud for clear voice capture.

## Footstep Mode

FPS Games  
(Footstep localization)



Breachers, Bonelab  
Tabor, Saints & Sinners

Image: The SW4 Pro earbuds and the compact 2.4G USB-C dongle, emphasizing 20ms ultra-low latency.

## SETUP

### 1. Charging the Earbuds and Case

Before first use, fully charge the earbuds and charging case. Connect the USB-C charging cable to the charging port on the case and to a power source. The charging case provides 3 extra full recharges for the earbuds.

- Charging Time:** Approximately 1.5 hours for a full charge.
- Battery Life:** Up to 6 hours for gaming or 8 hours for music per earbud charge. Total playtime with case is over 32 hours.



Image: Visual representation of earbud single charge duration (6-8 hours) and total playtime with charging case (32+ hours).

## 2. Connecting via 2.4G Dongle

The 2.4G dongle provides ultra-low latency connectivity for gaming. It is plug-and-play, requiring no additional drivers.

1. Insert the 2.4G USB-C dongle into your compatible device (e.g., Meta Quest, PS5, PC, Steam Deck, Switch). Use the included USB-A adapter if necessary.
2. The earbuds will automatically connect to the dongle when powered on and within range.



Image: A person using the earbuds with a VR headset, illustrating the plug-and-play functionality of the 2.4G dongle.

## 3. Connecting via Bluetooth

For general use with smartphones or other Bluetooth-enabled devices, connect the earbuds via Bluetooth.

1. Ensure the earbuds are charged and out of the charging case.
2. On your device, go to Bluetooth settings and enable Bluetooth.
3. Select "Middle Rabbit SW4 Pro" from the list of available devices to pair.

# OPERATING INSTRUCTIONS

## 1. Touch Controls

The earbuds feature customizable touch controls. Default functions are:

- **Single Tap (L/R):** Play/Pause music, Answer/End call.
- **Double Tap (L):** Volume Down.
- **Double Tap (R):** Volume Up.
- **Triple Tap (L/R):** Activate voice assistant / Mute microphone.
- **Quadruple Tap (L/R):** Switch EQ Mode.
- **Long Press (2s, L/R):** Switch between Dongle and Bluetooth device.

For advanced customization of touch controls, use the Middle Rabbit App.



Image: Infographic detailing the various touch controls for the earbuds, including single, double, triple, and quadruple taps, and long presses.

## 2. Switching Audio Modes (EQ)

The earbuds offer four preset EQ modes tailored for different audio experiences, which can be switched via touch control or the Middle Rabbit App:

- **Footstep Boost (FPS):** Enhances footstep sounds for competitive FPS games.
- **Game Balance (Strategy):** Provides balanced audio for strategy and adventure games.
- **Music Mode (Rhythm/Music Games):** Offers balanced bass, mid, and treble frequencies for music and rhythm games.
- **Custom EQ:** Create and save your personalized sound profile using the Middle Rabbit App.

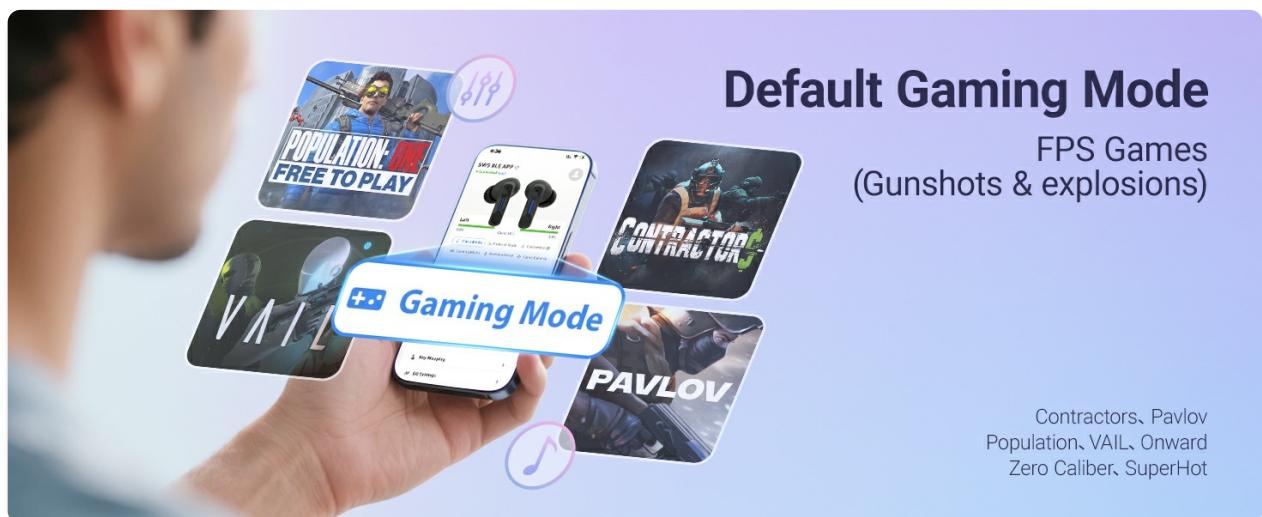


Image: Screenshots of the Middle Rabbit App interface, displaying options for EQ settings and custom sound profiles.

## 3. Dual Device Connection

The SW4 Pro supports simultaneous connection to two devices: one via the 2.4G dongle and another via Bluetooth. This allows for seamless switching between gaming audio and smartphone calls.

- **Auto Switch for Calls:** When a call comes in on your smartphone (connected via Bluetooth), the earbuds can automatically switch to the call. Single tap to answer, double tap to reject (keeping dongle device active).
- **Manual Switch:** Long-press one earbud for 2 seconds to manually switch between the dongle-connected device and the Bluetooth-connected device.



Image: An illustration demonstrating the dual-device connection feature, allowing a user to game with a VR headset via 2.4G and receive phone calls via Bluetooth simultaneously.

## 4. Microphone Usage

The earbuds are equipped with four built-in HD microphones for clear voice capture, essential for in-game communication and voice chats.

- Ensure the earbuds are properly seated in your ears for optimal microphone performance.
- During calls or voice chat, the microphones will automatically activate.

## MAINTENANCE

### 1. Cleaning

- Regularly clean the eartips and earbud surfaces with a soft, dry cloth.
- Remove eartips and clean any earwax or debris from the earbud nozzles using a small brush or cotton swab.
- Clean the charging contacts on both the earbuds and the charging case to ensure proper charging.

### 2. Storage

- Always store the earbuds in their charging case when not in use to protect them and keep them charged.
- Store the charging case and earbuds in a cool, dry place away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

- **Earbuds not pairing:** Ensure both earbuds are charged and in pairing mode. Try resetting the earbuds by placing them in the case, closing it, and then reopening.

- **No sound:** Check device volume and ensure earbuds are properly connected. Verify the correct audio output is selected on your device.
- **Low latency issues:** Ensure you are using the 2.4G dongle for gaming on compatible devices. Bluetooth connections may have higher latency.
- **Microphone not working:** Check device settings to ensure the earbud microphone is selected as the input device. Ensure earbuds are clean and free of obstructions.
- **Charging problems:** Clean charging contacts on both earbuds and case. Try a different USB-C cable and power adapter.

Your browser does not support the video tag.

Video: An official instructional and troubleshooting video for the Middle Rabbit SW4 Pro Gaming Earbuds, demonstrating common issues and solutions.

## SPECIFICATIONS

<b>Model Name</b>	SW4 Pro
<b>Connectivity Technology</b>	Wireless (2.4Ghz, Bluetooth 5.4)
<b>Audio Latency</b>	20 Milliseconds (via 2.4G wireless with LC3 codec)
<b>Noise Control</b>	Passive Noise Cancellation
<b>Microphones</b>	Four Built-in HD Mics
<b>Battery Life (Earbuds)</b>	6-8 Hours
<b>Total Playtime (with Case)</b>	32+ Hours
<b>Charging Time</b>	1.5 Hours
<b>Control Type</b>	Touch Control & App Control
<b>Water Resistance Level</b>	Water Resistant
<b>Audio Driver Size</b>	10 Millimeters
<b>Compatible Devices</b>	Meta Quest 3/3s/2, PS5, PS4, Desktop & Laptop PC, Steam Deck, Switch

## WARRANTY AND SUPPORT

The Middle Rabbit SW4 Pro Gaming Earbuds come with a 1-Year Warranty for worry-free use. For technical support, warranty claims, or further assistance, please contact Middle Rabbit customer service through their official website or the retailer where the product was purchased.

You can also utilize the Middle Rabbit App for firmware updates and additional support resources.