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› [BOYA](#) /

› [BOYA 2.4G Wireless Microphone Kit for Type-C Devices 1+2 User Manual](#)

BOYA BY-WM4PRO-K6

BOYA 2.4G Wireless Microphone Kit for Type-C Devices 1+2 User Manual

Model: BY-WM4PRO-K6

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your BOYA 2.4G Wireless Microphone Kit for Type-C Devices 1+2. The BY-WM4 PRO-K6 is a digital plug-in 2.4GHz wireless system designed for seamless audio recording with Android and other Type-C devices. It is ideal for live streaming, vlogging, podcasting, and various other audio capture needs.

PACKAGE CONTENTS

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

- 2 x BY-WM4 PRO Transmitters (TX4 Pro)
- 1 x BY-WM4 PRO RXU Receiver (Type-C connector)
- 2 x Omnidirectional Lavalier Microphones
- Other accessories as specified in the product packaging.



Image: Complete BOYA BY-WM4 PRO-K6 Wireless Microphone Kit components.

PRODUCT FEATURES

- Digital 2.4GHz Wireless System
- Compatible with Android and other Type-C devices
- Dual-channel receiver for simultaneous use of two transmitters
- Selectable Stereo and Mono modes
- 3.5mm headphone jack on receiver for real-time monitoring
- Plug-and-play operation for immediate use
- Compact and lightweight design

COMPONENT IDENTIFICATION

BY-WM4 PRO Transmitter (TX4 Pro)



Image: Front view of the BY-WM4 PRO Transmitter.

- **Power LED:** Indicates power status and pairing.
- **Microphone Input:** 3.5mm jack for lavalier microphone.
- **Power Switch:** On/Off control.
- **Battery Compartment:** Houses 2 AAA batteries.



Image: BY-WM4 PRO Transmitter with open battery compartment.

The transmitter is powered by two AAA batteries. Ensure correct polarity when inserting batteries. The Power LED will illuminate when the device is on.

BY-WM4 PRO RXU Receiver

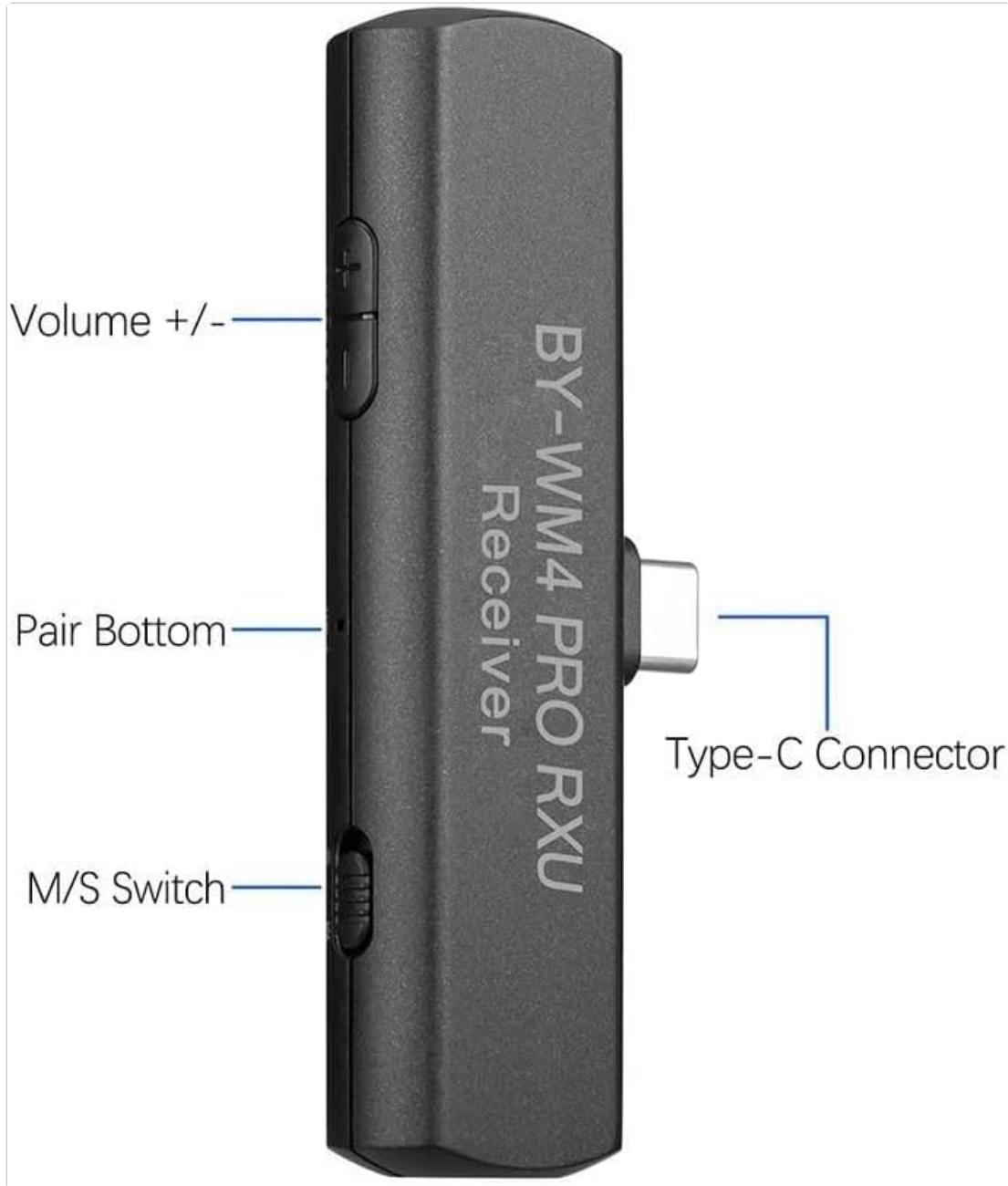


Image: Side view of the BY-WM4 PRO RXU Receiver with labeled controls.

- **Type-C Connector:** For connecting to Android phones and other compatible devices.
- **Volume +/- Buttons:** Adjusts the output volume.
- **Pair Button:** Initiates pairing with transmitters.
- **M/S Switch:** Toggles between Mono (M) and Stereo (S) output modes.
- **Headphone Jack (3.5mm):** For real-time audio monitoring.
- **Power LED:** Indicates power and connection status.
- **Built-In Internal Antenna:** For wireless signal reception.

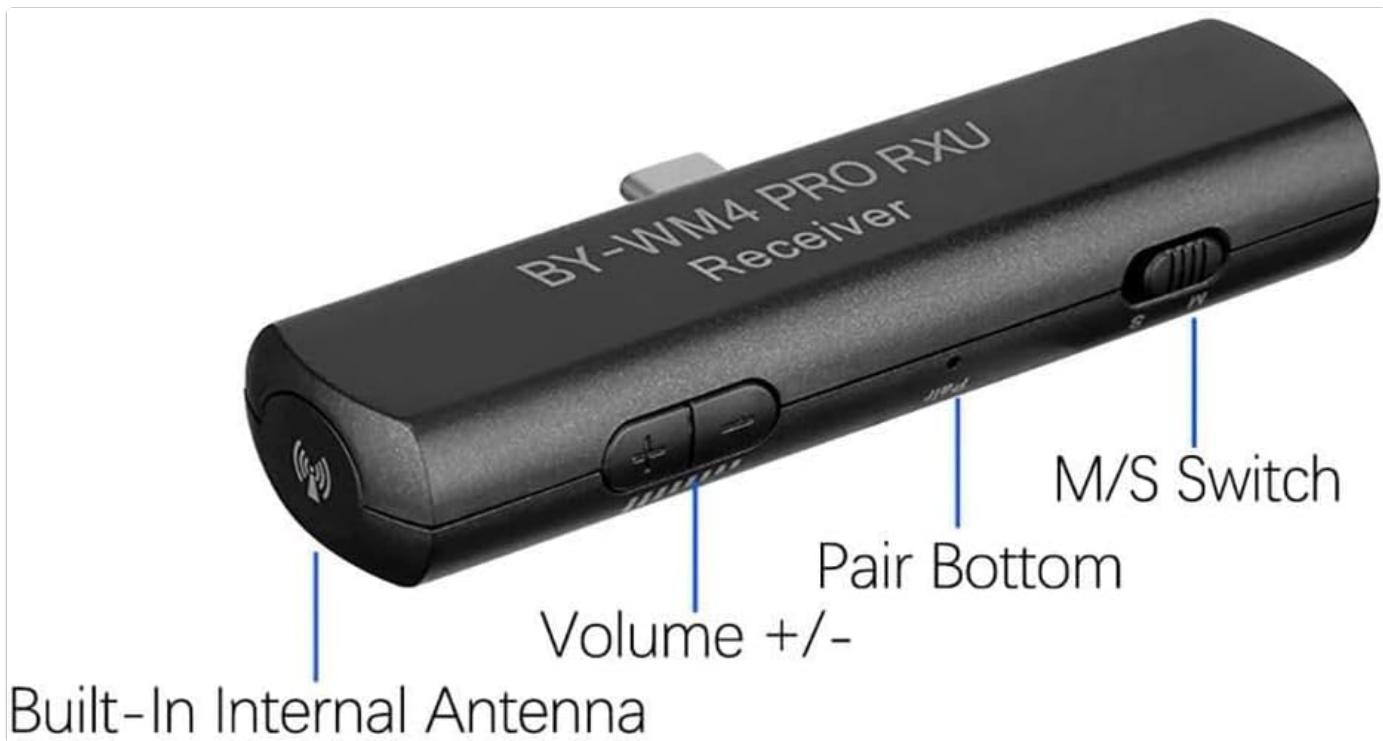


Image: End view of the BY-WM4 PRO RXU Receiver, showing connectivity ports.

The receiver draws power directly from the connected Type-C device. The M/S switch allows you to select the audio output mode. In Mono mode, audio from both transmitters is mixed into a single channel. In Stereo mode, each transmitter's audio is output to a separate channel (left/right).

SETUP

- 1. Install Batteries in Transmitters:** Open the battery compartment of each BY-WM4 PRO Transmitter and insert two AAA batteries, observing the correct polarity. Close the compartment.
- 2. Connect Lavalier Microphones:** Plug the 3.5mm connector of each lavalier microphone into the microphone input jack on the top of each transmitter.
- 3. Connect Receiver to Device:** Plug the Type-C connector of the BY-WM4 PRO RXU Receiver directly into the Type-C port of your Android phone or other compatible recording device. Ensure it is securely seated.
- 4. Power On Transmitters:** Slide the power switch on each transmitter to the "ON" position. The Power LED on the transmitter will illuminate.
- 5. Pairing:** The transmitters and receiver should automatically pair. If not, press the "Pair" button on the receiver. The Power LED on both the transmitter and receiver will indicate a successful connection (e.g., solid blue light).
- 6. Select Output Mode:** Use the M/S switch on the receiver to select your desired audio output mode (Mono or Stereo).
- 7. Connect Headphones (Optional):** For real-time audio monitoring, plug 3.5mm headphones into the headphone jack on the receiver.
- 8. Adjust Volume:** Use the Volume +/- buttons on the receiver to adjust the output audio level as needed.



Image: Example setup of the BOYA BY-WM4 PRO-K6 with a smartphone.

OPERATING INSTRUCTIONS

Once the system is set up and paired, you can begin recording audio. The BY-WM4 PRO-K6 is designed for plug-and-play operation with most compatible devices.

- **Recording:** Open your preferred audio or video recording application on your Type-C device. The system should be recognized as an external microphone.
- **Monitoring:** Use headphones connected to the receiver's 3.5mm jack to monitor the audio in real-time. This helps ensure optimal sound quality and proper microphone placement.
- **Volume Control:** Adjust the output volume using the +/- buttons on the receiver. This controls the level sent to your recording device.
- **Mode Selection:** Switch between Mono and Stereo modes using the M/S switch on the receiver based on your recording needs. Mono is suitable for single-person interviews or when you want both microphones mixed. Stereo is useful for separating two audio sources.
- **Microphone Placement:** For best audio quality, clip the lavalier microphone approximately 6-8 inches (15-20 cm) from the speaker's mouth, ideally on clothing.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the transmitters and receiver. Do not use liquid cleaners or solvents.
- **Battery Replacement:** Replace AAA batteries in the transmitters when the Power LED indicates low power or when audio quality degrades. Always use fresh batteries.
- **Storage:** When not in use for extended periods, remove batteries from the transmitters to prevent leakage. Store the kit in a cool, dry place away from direct sunlight and extreme temperatures.

- **Cable Care:** Avoid sharp bends or kinks in the lavalier microphone cables to prevent internal damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No audio output.	Transmitters not powered on. Batteries in transmitters are dead or low. Receiver not properly connected to device. Transmitters and receiver not paired. Device audio input settings incorrect.	Ensure transmitters are switched ON. Replace batteries in transmitters. Re-insert receiver firmly into Type-C port. Press the "Pair" button on the receiver to re-establish connection. Check your device's sound settings to ensure the external microphone is selected.
Poor audio quality / Static.	Interference from other 2.4GHz devices. Distance between transmitter and receiver too far. Low battery in transmitters. Lavalier microphone not properly connected or damaged.	Move away from Wi-Fi routers or other wireless devices. Reduce the distance between the transmitter and receiver. Replace batteries. Ensure microphone is securely plugged in. Test with another microphone if available.
Receiver not recognized by device.	Device compatibility issue. Loose connection.	Verify your device supports external Type-C audio input. Ensure the receiver is fully inserted into the Type-C port. Remove phone case if it obstructs the connection.

SPECIFICATIONS

Feature	Detail
Microphone Form Factor	Microphone System
Connectivity Technology	USB (Type-C), Wireless (2.4GHz)
Connector Type	3.5 mm Jack (for mic input and headphone output)
Polar Pattern	Omnidirectional (Lavalier Microphones)
Number of Channels	2
Signal-to-Noise Ratio	75 dB
Noise Level	84 dB
Audio Sensitivity	90 dB
Power Source (Transmitter)	2 x AAA Batteries
Power Source (Receiver)	Device Powered (Type-C)

Feature	Detail
Item Dimensions (L x W x H)	2.6 x 1.6 x 1 inches (approximate for individual units)
Item Weight	13.4 ounces (total kit)
Model Number	BY-WM4PRO-K6
Manufacturer	Boya

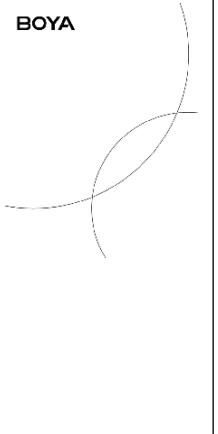
WARRANTY AND SUPPORT

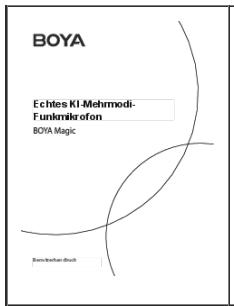
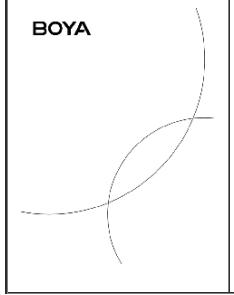
For warranty information and technical support, please refer to the official BOYA website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

BOYA Official Website: www.boyamicrophones.com

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Related Documents - BY-WM4PRO-K6

	<p>BOYA mini Wireless Microphone System User Manual</p> <p>User manual for the BOYA mini 2.4 GHz wireless microphone system, detailing setup, operation, features, and troubleshooting for various configurations including Lightning, USB-C, and TRS receivers.</p>
	<p>BOYA mini Wireless Ultra-Mini Microphone User Manual</p> <p>Comprehensive user manual for the BOYA mini wireless ultra-mini microphone system, covering setup, features, operation, troubleshooting, and specifications for various models including BOYA mini-12 through BOYA mini-23.</p>
	<p>BOYA Magic: Manuel du Microphone Sans Fil Multifonction True AI</p> <p>Découvrez le BOYA Magic, un système de microphone sans fil 2,4 GHz multifonction avec IA. Ce manuel utilisateur détaille ses caractéristiques, son utilisation et son dépannage pour la création de contenu, le vlogging et le journalisme.</p>

	<p>BOYA Magic: Echtes KI-Mehrmodi-Funkmikrofon Benutzerhandbuch</p> <p>Umfassendes Benutzerhandbuch für das BOYA Magic KI-gestützte drahtlose Mikrofonsystem. Erfahren Sie mehr über Funktionen, Einrichtung, Bedienung und Fehlerbehebung für Content Creation, Livestreaming und Vlogging.</p>
	<p>BOYA Magic Wireless Microphone System: User Guide & Overview</p> <p>Explore the BOYA Magic, a versatile 2.4GHz wireless microphone system designed for clear audio capture. This guide covers its transmitters, receivers (USB-C, Lightning, 3.5mm TRS), charging case, advanced features like AI noise reduction, and various kit configurations for content creators, vloggers, and podcasters.</p>
	<p>BOYA mini 2.4 GHz Ultra-Mini Wireless Microphone System User Manual</p> <p>User manual for the BOYA mini 2.4 GHz Ultra-Mini Wireless Microphone System, detailing its features, operation, and specifications for various models including BOYA mini-12 through BOYA mini-23.</p>