BOYA BY-WM3T2-U1

BOYA BY-WM3T2-U1 Wireless Lavalier Microphone
Instruction Manual

INTRODUCTION

The BOYA BY-WM3T2-U1 is an ultracompact and portable 2.4GHz wireless microphone system designed for Android smartphones and other USB-C devices. It offers a plug-and-play experience, automatic pairing, and selectable noise cancellation, making it ideal for video recording, live streaming, vlogging, and online teaching. This manual provides detailed instructions for setting up, operating, and maintaining your wireless microphone system.

Image: The BOYA BY-WM3T2-U1 wireless microphone system, showing the compact transmitter and receiver units.

PRODUCT COMPONENTS

The BOYA BY-WM3T2-U1 package includes the following items:

- BY-WM3T2-U1 Receiver (RXU)
- BY-WM3T2-U1 Transmitter (TX)
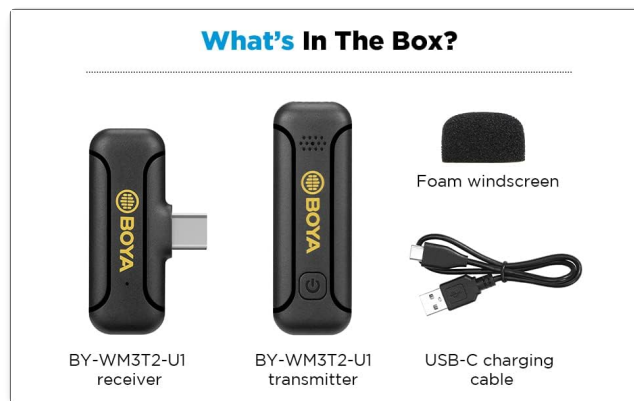- USB-C Charging Cable
- Foam Windscreen
- Warranty Card

Image: All components included in the BOYA BY-WM3T2-U1 package: receiver, transmitter, USB-C charging cable, and foam windscreen.

PRODUCT STRUCTURE

Familiarize yourself with the different parts of the transmitter and receiver:

BY-WM3T2-RXU (Receiver): Features a USB-C connector for direct connection to your device, a USB-C charging port for simultaneous charging, and a status indicator light.

BY-WM3T2-TX (Transmitter): Includes a built-in microphone, a power/mute button, a status indicator, a USB-C charging port, and a belt clip for easy attachment.

Image: A detailed diagram illustrating the components and ports of both the BY-WM3T2-RXU receiver and the BY-WM3T2-TX transmitter.

SETUP

The BOYA BY-WM3T2-U1 system is designed for quick and easy setup:

1. **Charge the Transmitter:** Before first use, ensure the transmitter is fully charged using the provided USB-C charging cable.

2. **Connect the Receiver:** Plug the BY-WM3T2-RXU receiver directly into the USB-C port of your Android smartphone, laptop, or other compatible device.

3. **Power On the Transmitter:** Press and hold the power button on the BY-WM3T2-TX transmitter until the status indicator light illuminates.

4. **Automatic Pairing:** The transmitter and receiver will automatically pair upon power-on. The status indicator lights on both units will confirm a successful connection.

5. **Attach the Transmitter:** Clip the transmitter onto your clothing, ensuring the built-in microphone is facing the sound source for optimal audio capture.

Image: Illustration showing the automatic 2.4GHz pairing process between the transmitter and receiver units.

OPERATING INSTRUCTIONS

Power On/Off and Mute Function

- **Power On:** Press and hold the power button on the transmitter.
- **Power Off:** Press and hold the power button on the transmitter until the indicator light turns off.
- **Mute/Unmute:** Briefly press the power button on the transmitter to mute or unmute the microphone. The status indicator will change to reflect the mute status.

Noise Cancellation

The BY-WM3T2-U1 features a built-in noise reduction technology to minimize ambient sounds.

- **Activate Noise Cancellation:** Double-click the power button on the transmitter. The indicator light may change to confirm activation.
- **Deactivate Noise Cancellation:** Double-click the power button again to turn off the noise reduction mode.

Battery Life and Charging

The transmitter provides up to 10 hours of continuous operation on a full charge.

- **Charging the Transmitter:** Connect the transmitter to a power source using the USB-C charging cable. The status indicator will show charging status.
- **Charging the Receiver:** The receiver can be charged via its USB-C charging port while connected to your device, allowing for uninterrupted use during long recording sessions or live streams.
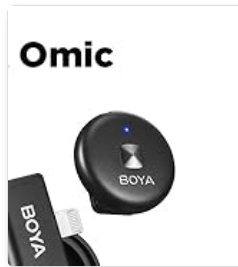
Image: Visual representation of the 10-hour battery life of the transmitter.

Image: Detail of the USB-C charging port on the receiver, allowing for convenient power input.

Image: A user demonstrating live broadcasting while simultaneously charging their phone through the receiver's USB-C port.

Operating Range

The system provides a reliable transmission distance of up to 164 feet (50 meters) in open, obstacle-free environments.

Image: Visual representation of the 164-foot (50-meter) wireless transmission range of the microphone system in an open outdoor setting.

Omnidirectional Polar Pattern

The built-in microphone features an omnidirectional polar pattern, capturing sound equally from all directions. This makes it versatile for various recording scenarios.

Image: Diagram illustrating the omnidirectional polar pattern of the microphone, showing sound pickup from all directions.

Image: A graphic depicting the 360-degree sound capture capability of the omnidirectional microphone.

APPLICABLE SCENARIOS

The BOYA BY-WM3T2-U1 is suitable for a wide range of wireless audio capturing applications, including:

- Live Streaming
- Vlogging
- Interviews
- News Broadcasts
- Online Teaching

Image: A collage showing different usage scenarios for the microphone, such as live streaming, interviews, news broadcasts, vlogging, and online teaching.

COMPATIBILITY

The receiver (RXU) with its USB-C port is compatible with most devices featuring Type-C connectors, including:

- Android Smartphones

- iPod Pro (USB-C models)
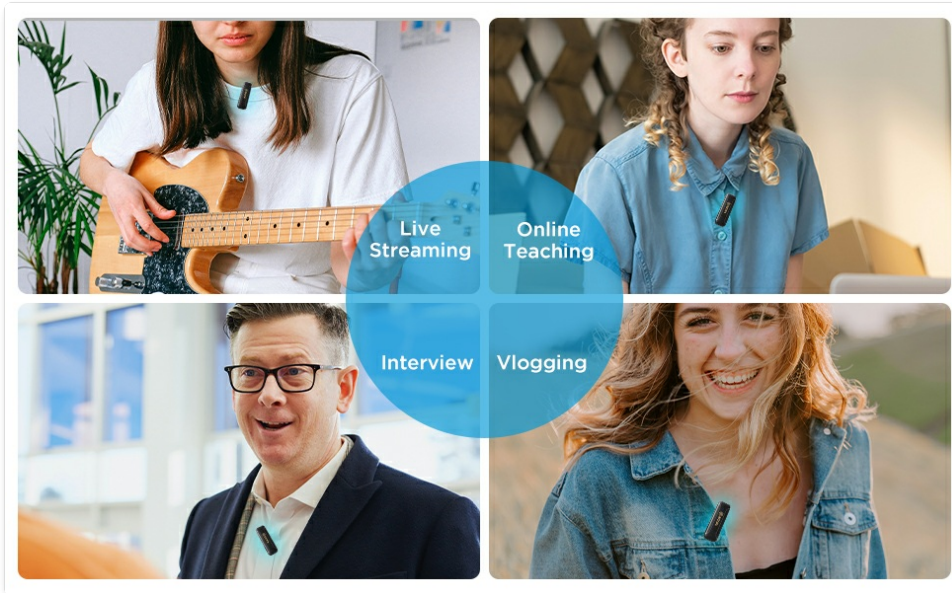- Mac PCs (with USB-C ports)

Image: An illustration demonstrating the wide compatibility of the microphone system with Android phones, iPod Pro, and Mac PCs via USB-C.

MAINTENANCE

To ensure the longevity and optimal performance of your BOYA BY-WM3T2-U1 wireless microphone system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the units. Avoid using harsh chemicals or abrasive materials.
- **Storage:** When not in use, store the microphone system in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** Turn off the transmitter when not in use to conserve battery life. Avoid fully depleting the battery frequently.
- **Handle with Care:** Avoid dropping the units or subjecting them to strong impacts.
- **Protect Ports:** Keep the USB-C ports free from dust and debris.

TROUBLESHOOTING

If you encounter issues with your BOYA BY-WM3T2-U1, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound or low volume	Transmitter not powered on; Not paired; Muted; Low battery; Incorrect device settings.	Ensure transmitter is on; Check pairing status; Unmute microphone; Charge transmitter; Verify audio input settings on your recording device.
Intermittent audio or static	Out of range; Obstructions; Interference; Low battery.	Move closer to the receiver; Remove obstructions; Avoid strong electromagnetic fields; Charge transmitter.
Noise cancellation not effective	Feature not activated; Excessive background noise.	Double-click power button to activate noise cancellation; Note that extreme noise may not be fully eliminated.

Problem	Possible Cause	Solution
Device not recognizing receiver	Receiver not fully inserted; Device compatibility issue.	Ensure receiver is firmly plugged into the USB-C port; Confirm your device supports external USB-C audio input.

SPECIFICATIONS

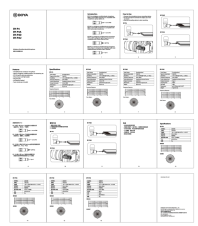Detailed technical specifications for the BOYA BY-WM3T2-U1 wireless microphone system:

Feature	Specification
Model Number	BY WM3T2U1
Connectivity Technology	2.4GHz Wireless
Connector Type	USB Type-C
Polar Pattern	Omnidirectional
Frequency Response	16 KHz
Signal-to-Noise Ratio	77 dB
Operating Range	Up to 164ft (50m) without obstacle
Transmitter Battery Life	Up to 10 hours
Power Source	Battery Powered (1 Lithium Polymer battery included)
Item Weight	2.39 ounces (approx. 67.7g)
Package Dimensions	4.72 x 3.82 x 1.34 inches
Compatible Devices	Android Smartphone/USB C Devices
Special Features	Battery Indicator Light, Clip, Mute Function, Noise Reduction

WARRANTY AND SUPPORT

BOYA provides professional products and dedicated customer service.

- **Warranty:** This product comes with a 24-month warranty from the date of purchase. Please retain your proof of purchase for warranty claims.
- **Customer Support:** If you have any questions, concerns, or require technical assistance regarding your BY-WM3T2-U1 wireless microphone, please contact BOYA customer service. Refer to the warranty card or the official BOYA website for contact details.
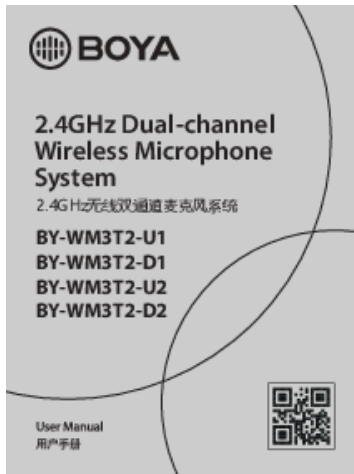
Related Documents

	[BOYA BY-WM3T2 2.4GHz Wireless Microphone System User Manual](#) User manual for the BOYA BY-WM3T2 ultracompact and portable 2.4 GHz wireless microphone system. Learn about its features, available kits, product structure, how to use it, specifications, and packing lists.
	[BOYA BOYAMIC 2.4GHz Wireless Microphone System User Manual](#) Comprehensive user manual for the BOYA BOYAMIC 2.4GHz dual-channel wireless microphone system. Covers features, setup, operation, troubleshooting, and specifications for vlogging, live streaming, and mobile journalism.
	[BOYA BY-M1 Universal Lavalier Microphone User Manual](#) Comprehensive guide to the BOYA BY-M1 universal lavalier microphone, covering features, setup, usage with cameras and smartphones, troubleshooting, and specifications.
	[BOYA BY-P4 Series Mini Microphones User Manual](#) User manual for the BOYA BY-P4, BY-P4A, BY-P4D, and BY-P4U series of mini microphones. Details features, specifications, and usage for connecting to smartphones, cameras, and computers for vlogging, live streaming, and audio recording.

Documents - BOYA – BY-WM3T2-U1

[pdf] User Manual

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BOYA Bezdrtov mikrofonn systm 2,4 GHz**BY-WM3T2-U1** BY-WM3T2-DI BY-WM3T2-U2 BY-WM3T2-D2 BY-WM3T2-MI BY-WM3T2-M2 Uzivatelsk prucka vod BOYA BY-WM3T2 je ultrakompaktn a penosn 2,4GHz bezdrtov mikrofonn systm az pro 2 osoby, kompatibiln s fotoaparty, smartphony, tablety a dalsmi zazenmi. Je vybaven aut...
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BY WM3T2 U1 D1 U2 D2 2 4GHz Dual channel Wireless Microphone System BOYA

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2.4GHz Dual-channel Wireless Microphone System 2.4GHz BY-WM3T22.4GHz BY-WM3T2Vlog 1. ... dB -42 dB 48kHz 16bit 50 6dbm 10 95mAh USB-C TX5217.515.6 mm RXU/RXD4626.29 mm TX8.5g RXU/RXD5g **BY-WM3T2-U1** x1 - BY-WM3T2-TX x1 - BY-WM3T2-RXU x1 - USB-C x1 - x1 BY-WM3T2-D1 - BY-WM3T2-TX x1 - BY...

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