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Ecomxia WM567

Ecomxia WM567 Wireless Lavalier Microphone User Manual

Model: WM567

1. Product Overview

The Ecomxia WM567 is a professional wireless lavalier microphone system designed for clear audio recording across various devices. It features two transmitters (TX), one receiver (RX), and a portable charging case. This system is compatible with DSLR cameras, iPhones, Android phones, tablets, and PCs, making it suitable for video recording, vlogging, live streaming, interviews, and podcasts.



Image 1.1: The Ecomxia WM567 wireless microphone system, including two transmitters, one receiver, and the charging case.

2. Package Contents

Please verify that all items are present in your package:

- 2 x Wireless Microphone Transmitters (TX)
- 1 x Wireless Microphone Receiver (RX)
- 1 x Portable Charging Case
- 1 x USB-C to Lightning Cable (for iPhone/iPad connection)
- 1 x USB-C to USB-C Cable (for Android/Tablet/PC connection)
- 1 x 3.5mm TRS Cable (for DSLR Camera connection)
- User Manual (this document)

3. Device Components

3.1 Transmitter (TX)

- **Microphone:** Built-in omnidirectional microphone.
- **Power Button:** Long press to power on/off.
- **Function Button:** Double-click for photo/video activation (iPhone only).
- **Indicator Light:** Displays power and pairing status.
- **Charging Port:** USB-C.
- **Magnetic Clip:** For attaching to clothing or other objects.



Image 3.1: A transmitter (TX) unit clipped to a user's shirt, demonstrating its compact size and attachment method.

3.2 Receiver (RX)

- **Output Port:** USB-C, Lightning, or 3.5mm TRS for connecting to recording devices.
- **Power Button:** Short press to mute/unmute. Long press to power on/off.
- **Indicator Lights:** Displays power, pairing, and battery status for both TX units.



Image 3.2: Front view of the receiver (RX) unit, showing its display and indicator lights.

3.3 Charging Case

- **Charging Slots:** For two TX units and one RX unit.
- **Battery Indicator:** Digital display showing the case's remaining battery percentage.
- **Charging Port:** USB-C for recharging the case.



Image 3.3: The charging case with the transmitter and receiver units inside, highlighting its extended battery capacity.

4. Setup and Pairing

The WM567 system is designed for plug-and-play operation. The transmitters and receiver are pre-linked from the factory.

1. **Charge Devices:** Ensure all units (TX, RX, and charging case) are fully charged before first use. Place the TX and RX units into the charging case. The case's display will show charging status.
2. **Power On:** Remove the TX and RX units from the charging case. They will automatically power on and attempt to pair. The indicator lights on both units will flash during pairing and become solid when successfully paired.
3. **Connect Receiver to Device:**
    - **For iPhone/iPad:** Use the provided USB-C to Lightning cable to connect the RX to your iOS device.
    - **For Android/Tablet/PC:** Use the provided USB-C to USB-C cable to connect the RX to your Android device, tablet, or PC.
    - **For DSLR Camera:** Use the provided 3.5mm TRS cable to connect the RX to your camera's microphone input.
4. **Attach Transmitter:** Clip the TX unit to your clothing, hair, or other desired location using its magnetic clip. Ensure the microphone is facing towards your mouth for optimal sound capture.



Image 4.1: Illustration of the automatic pairing process between the transmitter and receiver units.



Image 4.2: The receiver connected to various devices, including iPhone, Android phone, and a DSLR camera, demonstrating wide compatibility.

5. Operating Instructions

5.1 Basic Operation

- **Power On/Off:** Long press the power button on both TX and RX units to turn them on or off.
- **Mute/Unmute:** Short press the power button on the RX unit to mute or unmute the microphone. The indicator light will change to reflect the mute status.
- **Photo/Video Activation (iPhone Only):** Double-click the function button on the TX unit to activate photo taking or video recording on a connected iPhone.

5.2 Audio Quality and Range

The WM567 system utilizes a 48KHz/24Bit high audio sampling rate and an intelligent DSP noise-canceling chip to deliver clear voice capture, even in noisy environments. The advanced 2.4GHz digital transmission technology provides a reliable operating range of up to 656 feet (200 meters) in open spaces.



Image 5.1: The system's audio capabilities, including 48KHz/24Bit sampling rate and intelligent DSP noise cancellation.



Image 5.2: The system's wireless range, capable of covering up to 656 feet in open environments.

6. Battery and Charging

The WM567 system is equipped with high-capacity batteries for extended use.

- **Transmitter (TX) Battery Life:** Up to 8 hours of continuous operation.
- **Receiver (RX) Battery Life:** Up to 10 hours of continuous operation.
- **Charging Case Battery:** Built-in 1200mAh rechargeable battery, providing up to 30 hours of extended usage for the entire system. The fully charged case can recharge the TX and RX units approximately twice.
- **Charging:** Place the TX and RX units into the charging case. Connect the charging case to a power source using a USB-C cable. The digital display on the case indicates the charging status and battery level.

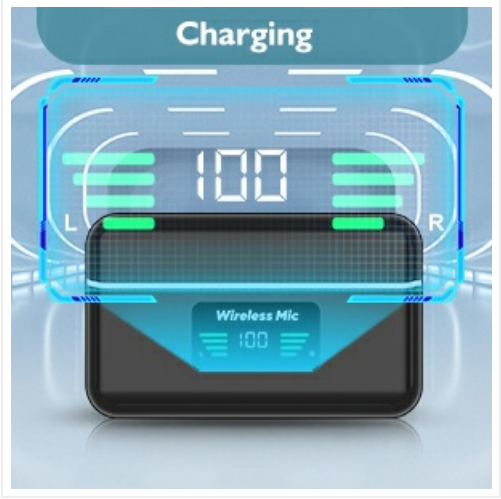


Image 6.1: The charging case display indicating the current battery percentage during charging.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the units. Do not use liquid cleaners or solvents.
- **Storage:** Store the microphone system in its charging case when not in use to protect it from dust and damage. Store in a cool, dry place.
- **Battery Care:** To prolong battery life, avoid fully discharging the batteries frequently. Recharge the units regularly, even if not in constant use.
- **Avoid Extreme Conditions:** Do not expose the devices to extreme temperatures, humidity, or direct sunlight.

8. Troubleshooting

Problem	Possible Cause	Solution
No sound or low volume.	Units not paired. Receiver not properly connected. Microphone muted. Low battery. Device input settings incorrect.	Ensure TX and RX are powered on and indicator lights are solid (paired). Verify the receiver is securely connected to your recording device. Short press the RX power button to unmute. Charge all units. Check your device's audio input settings and select the external microphone.
Intermittent audio or signal dropouts.	Out of range. Obstructions between TX and RX. Strong wireless interference.	Move closer to the receiver. Ensure a clear line of sight between TX and RX. Avoid using near other 2.4GHz devices (Wi-Fi routers, other wireless systems).
Units not charging.	Charging cable or adapter faulty. Units not properly seated in case.	Try a different USB-C cable and power adapter. Ensure TX and RX are correctly placed in their charging slots.
Poor audio quality (muffled, distorted).	Microphone placement. Input gain too high/low. Environmental noise.	Adjust microphone placement (e.g., closer to mouth, away from rubbing clothing). Adjust input gain on your recording device. Utilize the noise cancellation feature. Record in quieter environments if possible.

9. Specifications

Feature	Detail
Model Number	WM567
Brand	Ecomxia
Microphone Form Factor	Lavalier
Connectivity Technology	Wireless (2.4GHz)
Operating Range	Up to 656 feet (200 meters) in open spaces

Feature	Detail
Audio Sampling Rate	48KHz/24Bit
Noise Cancellation	Intelligent DSP Chip
Transmitter (TX) Battery Life	Approx. 8 hours
Receiver (RX) Battery Life	Approx. 10 hours
Charging Case Battery Capacity	1200mAh (provides up to 30 hours total system usage)
Charging Port	USB-C
Compatible Devices	DSLR Cameras, iPhones, Android Phones, Tablets, PCs
Connector Types	Lightning, USB Type-C, 3.5mm TRS
Special Features	Battery Indicator Light, Clip, Mute Function, Noise Reduction
Item Dimensions (L x W x H)	4.3 x 2.24 x 1.18 inches
Item Weight	0.11 ounces

10. Warranty and Support

Information regarding product warranty and customer support was not available in the provided product data. Please refer to the product packaging or the manufacturer's official website for details on warranty coverage and how to contact customer support for assistance.

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