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SONICAKE QWM-10

SONICAKE Wireless Lavalier Microphone System User Manual

Model: QWM-10

1. INTRODUCTION

The SONICAKE Wireless Lavalier Microphone System is designed for clear audio recording across various platforms, including smartphones, DSLR cameras, camcorders, and computers. This compact 2.4GHz system offers reliable wireless transmission up to 164 feet (50 meters) in open environments, making it suitable for vlogging, podcasting, live streaming, video recording, and interviews. Its user-friendly design ensures quick setup and high-quality sound capture.



Image 1.1: The SONICAKE Wireless Lavalier Microphone System, featuring the compact transmitter and receiver units.

2. PACKAGE CONTENTS

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

- 1 x Receiver Unit
- 1 x Transmitter Unit
- 1 x Wind Muff (for transmitter)
- 1 x 2-in-1 Charging/Output Cable (USB-A to dual USB-C)
- 2 x TRS-TRS Audio Cables
- 1 x Carry Pouch
- 1 x User Manual

Mind you will need this cable for mobile audio data usage

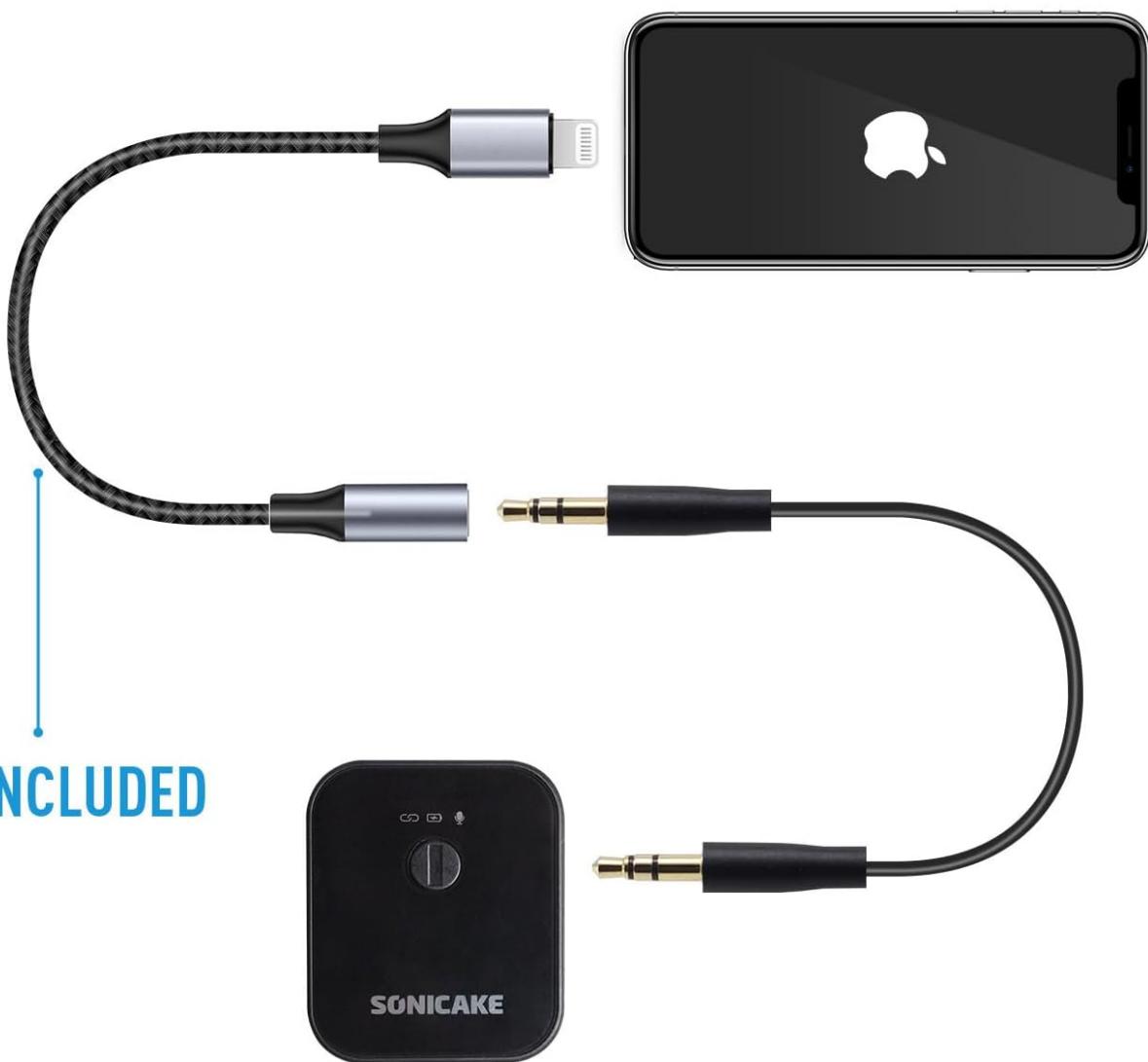


Image 2.1: All items included in the SONICAKE Wireless Lavalier Microphone System package.

3. PRODUCT OVERVIEW

The SONICAKE Wireless Lavalier Microphone System consists of a transmitter (TX) and a receiver (RX) unit. Both units are compact and lightweight, designed for ease of use and portability.

Transmitter (TX) Unit

- **Built-in Microphone:** Captures audio directly.
- **Mute Button:** Press to mute/unmute the microphone.
- **High-pass Filter:** Reduces low-frequency noise.
- **Volume Button:** Adjusts microphone input volume.
- **USB Type-C Charging Jack:** For charging the unit.
- **On/Off Button:** Powers the unit on or off.
- **Clipper:** For attaching the unit to clothing or camera hot shoe.

Receiver (RX) Unit

- **Headphone Output Jack:** For real-time audio monitoring.
- **TRS External Microphone Jack:** Connects to recording devices (cameras, smartphones, computers).
- **Microphone Signal Light:** Indicates audio input level.
- **Power Indicator:** Shows battery status.
- **Connection Status Indicator:** Shows pairing status with the transmitter.
- **USB Type-C Charging Jack:** For charging the unit.
- **On/Off Button:** Powers the unit on or off.
- **Clipper:** For attaching the unit to clothing or camera hot shoe.



Image 3.1: Detailed diagram of the transmitter and receiver unit features.

4. SETUP AND CONNECTION

4.1. Initial Pairing

The transmitter and receiver units are designed to pair automatically upon power-on. Simply turn on both the transmitter and receiver. They should connect within 2-3 seconds. If they do not connect automatically, hold the transmitter's mute button and the receiver's volume button simultaneously until the connection status indicator flashes, indicating successful pairing.

Stable Transmission & 2s Connection

Turn on the receiver and transmitter, they will pair automatically in 2-3 seconds



Image 4.1: Automatic pairing of transmitter and receiver units.

4.2. Connecting to Devices

Use the provided TRS-TRS audio cables to connect the receiver to your recording device. The system is compatible with DSLR cameras, camcorders, smartphones (iPhone/Android), and computers.

- **For DSLR Cameras/Camcorders:** Connect one end of the TRS-TRS audio cable to the receiver's TRS external microphone jack and the other end to your camera's microphone input.
- **For Smartphones (iPhone/Android):** You will need a genuine conversion cable (USB-C to 3.5mm or Lightning to 3.5mm, not included) to connect the receiver to your phone. **Important Note for iPhone Users:** When connecting to an iPhone, ensure the 3.5mm jack from the conversion cable is plugged into the **side port** on the receiver, not the top port. This is crucial for proper audio transmission and to avoid crackling sounds.
- **For Computers:** Connect the receiver to your computer's microphone input using the appropriate TRS-TRS audio cable.



Image 4.2: A conversion cable (e.g., Lightning to 3.5mm for iPhone) is required and not included.

The system offers a transmission range of up to 164 feet (50 meters) in an open field, providing flexibility for various recording scenarios.

164FT (50M) Transmission Range

SONICAKE Wireless Lavalier Microphone QWM-10 can offer a 164ft(50m) transmission range in an open field



Image 4.3: The SONICAKE QWM-10 offers a 164ft (50m) transmission range.

The system is suitable for a wide range of applications, including outdoor and indoor vlogging, live streaming, interviewing, and recording lessons.

Clear & Natural Audio

Professional noise cancelling technology, coupled with a wind shield, will provide you stellar performance outdoors



Image 4.4: Wide application for various recording needs.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off

Press and hold the On/Off button on both the transmitter and receiver units to power them on or off.

5.2. Muting

On the transmitter, press the mute button once to mute the microphone. Press it again to unmute.

5.3. High-Pass Filter

The transmitter features a high-pass filter to reduce unwanted low-frequency noise (e.g., wind noise, rumble). Activate or deactivate this feature using the dedicated button.

5.4. Volume Control

Adjust the microphone input volume on the transmitter using the volume button to optimize audio levels for your recording.

device.

5.5. Battery Status Indicator

To check the power status, briefly press the On/Off button. The white power indicator light will blink: one blink indicates 25% remaining battery, two blinks 50%, three blinks 75%, and four blinks indicate a full charge.

The system incorporates professional noise-cancelling technology and includes a wind muff to ensure clear and natural audio performance, especially outdoors.



Image 5.1: Clear and natural audio capture with noise-cancelling technology.

6. CHARGING

Both the transmitter and receiver units are equipped with built-in 650 mAh rechargeable lithium-ion batteries. A full charge provides approximately 10 hours of working time.

Use the included 2-in-1 Type C USB cable to charge both the transmitter and receiver simultaneously. A full charge typically takes about 3 hours.

7. MAINTENANCE

To ensure the longevity and optimal performance of your SONICAKE Wireless Lavalier Microphone System, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the units. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the system in the provided carry pouch when not in use to protect it from dust and physical damage. Store in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For long-term storage, charge the batteries to approximately 50% every three months to prevent deep discharge and extend battery life.
- **Avoid Moisture:** Do not expose the units to water or high humidity.

8. TROUBLESHOOTING

If you encounter issues with your SONICAKE Wireless Lavalier Microphone System, refer to the following common problems and solutions:

- **No Sound or Low Volume:**
 - Ensure both transmitter and receiver are powered on and paired successfully.
 - Check all cable connections. Ensure cables are fully inserted into the correct ports.
 - Adjust the volume on the transmitter and the recording device.
 - Verify that the microphone is not muted on the transmitter.
- **Crackling Sound or Audio Distortion:**
 - Ensure the transmitter and receiver are within the effective transmission range (164ft/50m) and there are no significant obstructions.
 - Check for strong electromagnetic interference from other devices.
 - If using an iPhone, ensure the 3.5mm jack from your conversion cable is connected to the **side port** of the receiver, not the top port.
 - Try activating the high-pass filter on the transmitter to reduce low-frequency noise.
- **Units Not Pairing:**
 - Ensure both units are fully charged.
 - Power off both units, then power them back on.
 - Manually re-pair by holding the transmitter's mute button and the receiver's volume button simultaneously until the connection status indicator flashes.
- **Short Battery Life:**
 - Ensure units are fully charged before use (approx. 3 hours).
 - Battery life can vary based on usage and environmental conditions.

9. SPECIFICATIONS

Feature	Specification
Model Number	QWM-10
Connectivity Technology	2.4GHz Wireless, 3.5mm TRS
Transmission Range	164 ft (50 m) in open field
Battery Capacity	650 mAh (each unit)
Working Time	Approx. 10 hours
Charging Time	Approx. 3 hours
Microphone Form Factor	Microphone System (Lavalier)
Polar Pattern	Omnidirectional
Signal-to-Noise Ratio	80 dB
Frequency Response	20 Hz - 20 KHz
Audio Sensitivity	30 Decibels
Dimensions (L x W x H)	1.61 x 1.89 x 0.71 inches (each unit)
Item Weight	7.1 ounces (total package weight)
Compatible Devices	Smartphone, Tablet, Camera

10. WARRANTY AND SUPPORT

SONICAKE products are manufactured to high-quality standards. For specific warranty information and support, please refer to the warranty card included in your product packaging or visit the official SONICAKE website. If you require technical assistance or have questions regarding your product, please contact SONICAKE customer support.