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WAVLINK 2TX+1RX (Lightning)

WAVLINK Wireless Lavalier Microphone System (2TX+1RX Lightning) User Manual

Model: 2TX+1RX (Lightning)

1. Introduction

Thank you for choosing the WAVLINK Wireless Lavalier Microphone System. This manual provides detailed instructions for setting up, operating, and maintaining your microphone system to ensure optimal performance. This system is designed for high-quality audio recording with compatible Apple devices featuring a Lightning port, such as iPhones and iPads.

2. Package Contents

Please verify that all items are present in your package:

- 2 x Wireless Microphone Transmitters (TX)
- 1 x Lightning Receiver (RX)
- 1 x Portable Charging Case
- 1 x USB Charging Cable
- User Manual (this document)



Image 2.1: Overview of the WAVLINK Wireless Lavalier Microphone System, including two transmitters, one Lightning receiver, and the charging case.

3. Product Overview

The WAVLINK Wireless Lavalier Microphone System consists of two microphone transmitters (TX), one Lightning receiver (RX), and a portable charging case. The transmitters feature an omnidirectional microphone with integrated noise reduction capabilities. Both clip-on and magnetic attachment options are available for flexible placement.

Key Components:

- **Transmitter (TX):** The microphone unit worn by the speaker. It captures audio and transmits it wirelessly.
- **Receiver (RX):** Plugs into your recording device (iPhone/iPad) to receive audio from the transmitters.
- **Charging Case:** Stores and recharges the transmitters and receiver, also displaying battery status.



Image 3.1: The microphone transmitter showcasing both magnetic and clip-on attachment methods for secure and versatile placement.

4. Setup Instructions

4.1 Charging the System

Before first use, fully charge the transmitters and the charging case. Place the transmitters and receiver into the charging case. Connect the charging case to a power source using the provided USB cable. The digital display on the case indicates the charging status and battery percentage.

- **Charging Time (Transmitters):** Approximately 1.5 hours for a full charge.
- **Charging Time (Case):** Approximately 2 hours for a full charge.
- **Battery Life (Single Transmitter):** Up to 6 hours of continuous use.
- **Total Playtime (with Charging Case):** Up to 42 hours.



Image 4.1: The charging case with transmitters and receiver, illustrating the smart digital display for battery levels and extended usage times.

4.2 Connecting to Your Device

The WAVLINK Wireless Lavalier Microphone System is designed for plug-and-play operation with Lightning-enabled devices.

1. Ensure the receiver (RX) is charged.
2. Plug the Lightning receiver directly into the Lightning port of your iPhone or iPad.
3. The receiver will automatically pair with the transmitters when they are powered on. No Bluetooth pairing or app installation is required.



Image 4.2: The system demonstrating wide compatibility with Apple Lightning devices (iPhone, iPad) and suitability for various social media and streaming platforms.

5. Operating Instructions

5.1 Powering On/Off

The transmitters power on automatically when removed from the charging case and power off when returned to the case.

5.2 Microphone Functions

Each transmitter features a multi-function button for controlling audio modes:

- **Single Click:** Activates/Deactivates Noise Reduction mode. This helps to filter out ambient sounds for clearer speech.
- **Double Click:** Activates/Deactivates Mute mode. The microphone will stop picking up sound.
- **Triple Click:** Activates/Deactivates Reverb mode. This adds an echo effect to the audio.



Image 5.1: A detailed view of the microphone transmitter, highlighting the multi-function button and its corresponding actions for noise reduction, mute, and reverb.

5.3 Microphone Placement

For optimal audio quality, position the microphone approximately 6-8 inches (15-20 cm) from your mouth. The transmitters can be attached using either the integrated clip or the magnetic attachment.

- **Clip-On:** Securely attach the microphone to clothing, such as a lapel or collar.
- **Magnetic Attachment:** Use the magnetic back to attach the microphone to suitable surfaces or clothing.

5.4 Recording Range

The system offers a wireless transmission range of up to 328 feet (100 meters) in open, interference-free environments. This allows for flexible recording scenarios.



Image 5.2: The wireless system in use, illustrating its extended transmission range for remote recording in various environments.

5.5 Charging While Recording

The receiver supports charging your phone through its Lightning interface while recording, ensuring extended recording sessions without power interruption.

6. Maintenance

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

- **Cleaning:** Use a soft, dry cloth to clean the microphone transmitters, receiver, and charging case. Avoid using liquids or abrasive cleaners.
- **Storage:** When not in use, store the system in its charging case in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For long-term storage, ensure the charging case and transmitters have at least a 50% charge to preserve battery health. Recharge periodically if stored for extended periods.

- **Avoid Moisture:** Do not expose the devices to water or high humidity.

7. Troubleshooting

If you encounter issues with your WAVLINK Wireless Lavalier Microphone System, please refer to the following common solutions:

Problem	Possible Cause	Solution
No sound or poor audio quality	Microphone not powered on, not paired, low battery, or too far from receiver.	Ensure transmitters are powered on and charged. Confirm receiver is securely plugged into device. Reduce distance between TX and RX. Check recording app settings.
Transmitters not pairing	Receiver not properly connected, or interference.	Unplug and re-plug the receiver. Ensure transmitters are powered on. Move away from other 2.4GHz wireless devices.
Charging case not charging	Faulty cable or power adapter.	Try a different USB cable and power adapter. Ensure connections are secure.
Noise Reduction not effective	Extreme noise environment or feature not activated.	Ensure Noise Reduction is activated (single click). Move to a quieter environment if possible.

For firmware updates or persistent issues, please contact WAVLINK customer support.



Image 7.1: Illustration of customer support assistance for troubleshooting and firmware-related inquiries.

8. Specifications

Detailed technical specifications for the WAVLINK Wireless Lavalier Microphone System:

Feature	Specification
Microphone Form Factor	Lavalier
Power Source	Battery Powered

Feature	Specification
Battery Type	Lithium Polymer
Signal-to-Noise Ratio (SNR)	70 dB
Number of Channels	2
Item Weight	6 ounces (0.17 Kilograms)
Connectivity Technology	USB (for charging case)
Connector Type	Lightning Adapter (Receiver)
Special Feature	Noise Reduction
Compatible Devices	Smartphone (iPhone, iPad with Lightning port)
Polar Pattern	Omnidirectional
Impedance	170 Ohm

9. Warranty and Support

WAVLINK is committed to providing quality products and customer satisfaction. For any questions, technical support, or warranty inquiries, please contact our support team.

- **Contact via Amazon:** You can reach our support team through the Amazon messaging system.
- **Service Information:** Refer to the service information provided in the product brochure for additional contact details.
- **Firmware Updates:** For the latest firmware and support resources, visit the official WAVLINK website.

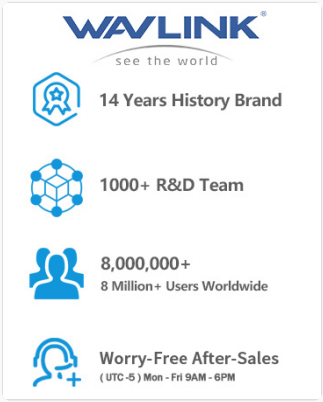

Image 9.1: WAVLINK brand information, including details on customer support availability.

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