

ALPOWL WXM-001

ALPOWL Wireless Microphone System

INSTRUCTION MANUAL

1. Product Overview

The ALPOWL Wireless Microphone System (Model: WXM-001) is a high-performance, metal dynamic microphone system designed for various audio applications. It features a rechargeable receiver and offers a stable signal with a wide operating range, making it ideal for karaoke, weddings, DJ events, parties, speeches, and church services.

Key features include:

- **Extended Range:** Operates up to 200 feet (60 meters) with stable, tamper-proof, and zero-delay signal transmission.
- **Easy Setup:** Plug-and-play functionality with pre-set frequencies, requiring no software downloads or complex pairing.
- **Long Battery Life:** Equipped with 1200mAh rechargeable batteries, providing up to 50 hours of continuous use. Both microphones and receiver feature USB-C charging ports, fully charging in 3-4 hours.
- **DSP Noise Reduction:** Advanced Digital Signal Processing technology minimizes background noise and ensures clear human voice pickup.
- **Wide Compatibility:** Compatible with a variety of audio equipment including karaoke machines, powered speakers, amplifiers, mixers, and audio interfaces.

2. What's in the Box

Upon opening your ALPOWL Wireless Microphone System package, please verify that all the following components are included:

- 2 x ALPOWL Wireless Microphones
- 1 x Rechargeable Receiver (with 6.35mm / 1/4" jack)
- 2 x Anti-slip Rings
- 2 x Foam Mic Covers
- 1 x USB Charging Cable
- 1 x 3.5mm Adapter (for receiver)
- 1 x User Manual (this document)



Figure 2.1: Overview of the ALPOWL Wireless Microphone System components, including two microphones, the receiver, and accessories.

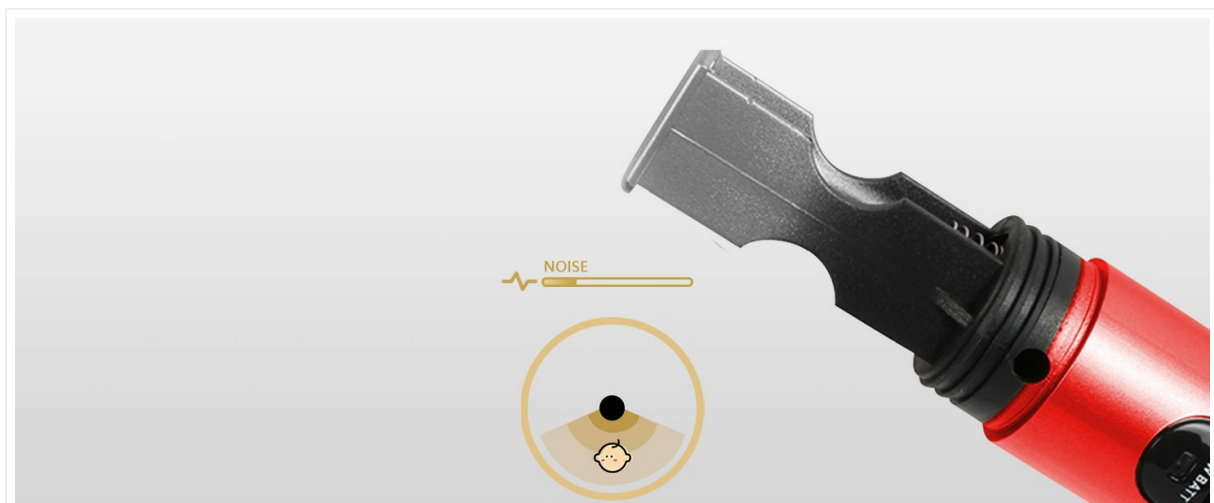


Figure 2.2: Detailed illustration of all items included in the ALPOWL Wireless Microphone System package.

3. Setup Guide

1. **Initial Charging:** For first use, fully charge both microphones and the receiver for 3-5 hours using the provided USB-C charging cable. The charging ports are located at the base of the microphones and on the receiver unit.



Figure 3.1: Charging the microphone and receiver using the USB-C cable.

2. **Connect Receiver:** Plug the receiver into the MIC jack (6.35mm / 1/4" input) of your audio device (e.g., karaoke machine, powered speaker, amplifier, mixer, audio interface). If your device has a 3.5mm input, use the included 3.5mm adapter.

Important: Ensure the receiver is plugged into a MIC jack, as it is not compatible with other types of audio jacks.



Figure 3.2: Connecting the receiver to an audio input.

3. **Power On:** Turn on the receiver and then power on the microphones. The system is designed for plug-and-play operation, with frequencies pre-set for convenience.



Figure 3.3: Powering on the microphone and receiver for immediate use.

4. **Initial Pairing (if needed):** While the system is generally plug-and-play, initial pairing may take 1-3 minutes. To ensure a stable connection, turn off any nearby microphones or other interfering devices during this process.

4. Operating Instructions

4.1. Usage Range and Signal Stability

The ALPOWL Wireless Microphone System offers an impressive operating range of up to 200 feet (60 meters). Its high-frequency technology ensures a stable signal with minimal interference and zero delay, providing reliable performance for various events.

Dynamic Wireless Microphone

More stable signal, better sound quality



Figure 4.1: Illustration of the microphone's stable signal and effective range.

4.2. Sound Quality and Noise Reduction

These microphones are designed with DSP noise reduction technology to effectively reduce background noise, ensuring that your voice is picked up clearly. A professional audio processor automatically adjusts high and low frequencies for optimal sound quality.

Dynamic Wireless Microphone

Recording with high-quality sound



Cardioid
Pickup



Reduce
Noise



Anti-drop
Net Cover



Figure 4.2: Internal design features contributing to high-quality sound and noise reduction.

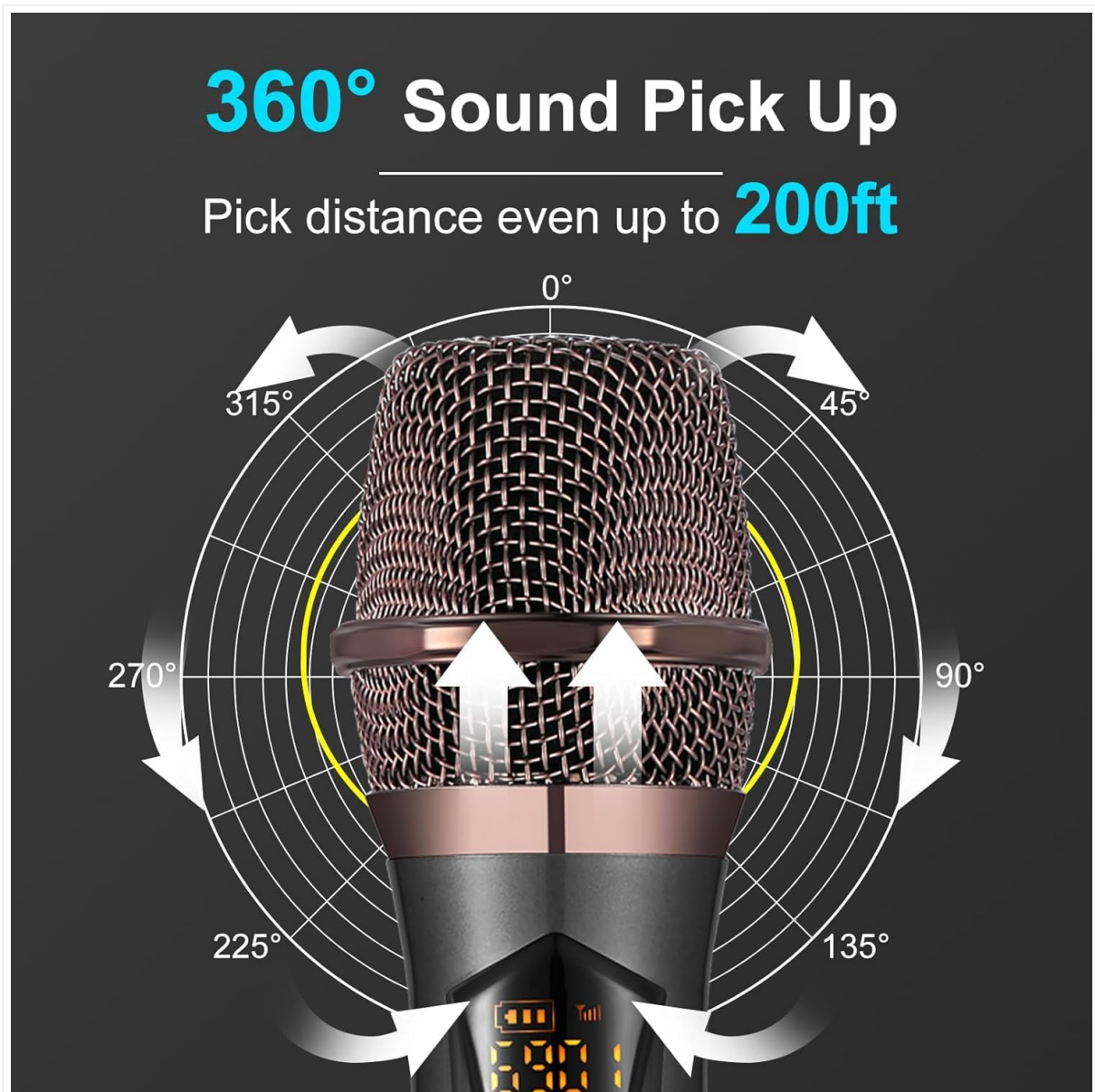


Figure 4.3: The microphone's omnidirectional sound pickup pattern, effective up to 200 feet.



Figure 4.4: Visual representation of the microphone's effective noise reduction.

4.3. Compatibility

The system is broadly compatible with devices featuring a 6.35mm (1/4") or 3.5mm microphone input. This includes, but is not limited to, karaoke machines, amplifiers, PA speaker systems, mixers, and audio interfaces.

Wide Compatibility



Figure 4.5: Examples of devices compatible with the ALPOWL Wireless Microphone System.

5. Maintenance

5.1. Battery Care

The microphones and receiver are equipped with 1200mAh rechargeable batteries. To maximize battery lifespan and ensure optimal performance:

- Charge the devices fully before first use and after each extended period of use.
- If the product is not used for a long time (e.g., several weeks or months), it is recommended to charge the devices periodically (e.g., every 3 months) to prevent deep discharge and battery degradation.
- Always use the provided USB charging cable or a certified USB-C cable for charging.

Rechargeable Battery 1200mah

40H Duration

No Need to Buy Batteries!

Figure 5.1: The rechargeable battery inside the microphone, providing long-lasting power.

5.2. Cleaning and Storage

- Wipe the microphone body and receiver with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- The foam mic covers can be gently cleaned or replaced if necessary.
- Store the microphone system in a cool, dry place away from direct sunlight and extreme temperatures.

6. Troubleshooting

Problem	Possible Cause	Solution
No sound from microphone.	Microphone or receiver not powered on; low battery; receiver not plugged into MIC jack; pairing issue.	Ensure both microphone and receiver are powered on and charged. Confirm receiver is connected to the correct MIC input. Re-pair devices if necessary (power cycle both).

Problem	Possible Cause	Solution
Sound is intermittent or distorted.	Out of range; interference from other devices; low battery.	Move closer to the receiver. Turn off other wireless devices nearby. Recharge microphones and receiver.
Microphone not pairing.	Interference; first-time pairing delay.	Ensure no other wireless devices are active during pairing. Allow 1-3 minutes for initial pairing. Power cycle both microphone and receiver.
Short battery life.	Incomplete charging; aged battery.	Ensure full charge (3-4 hours). If battery life significantly degrades over time, contact support.

7. Specifications

Feature	Detail
Model Number	WXM-001
Microphone Form Factor	Handheld
Connectivity Technology	UHF Wireless, USB (for charging)
Operating Range	Up to 200 feet (60 meters)
Battery Capacity	1200mAh (per microphone/receiver)
Battery Duration	Up to 50 hours
Charging Time	3-4 hours (full charge)
Frequency Range	0.05 kHz - 18 kHz
Signal-to-Noise Ratio	60 dB
Audio Sensitivity	80 dB
Polar Pattern	Omnidirectional
Number of Channels	2
Product Dimensions	2.48 x 7.64 x 12.05 inches
Item Weight	1.26 pounds
Color	Gray
Main Material	Metal (Microphone body), Sponge (Mic covers)

Note: Specifications are subject to change without prior notice for product improvement.

8. Warranty and Support

ALPOWL stands behind the quality of its products. This microphone system comes with a 365-day replacement warranty for faulty products from the date of purchase.

If you encounter any issues or have questions regarding the use, maintenance, or performance of your

ALPOWL Wireless Microphone System, please do not hesitate to contact our professional after-sales service team. We are committed to providing the best customer support.

For support, please refer to the contact information provided on the product packaging or the official ALPOWL website.