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› [ZERFUN](#) /

› [ZERFUN WM-2 Dual Wireless Microphone System User Manual](#)

## ZERFUN WM-2

# ZERFUN WM-2 Dual Wireless Microphone System User Manual

*Model: WM-2 A*

## PRODUCT OVERVIEW

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The ZERFUN WM-2 Dual Wireless Microphone System is designed for professional audio applications, offering clear sound transmission and versatile control. This system includes two rechargeable wireless microphones and a compact receiver, ideal for karaoke, meetings, parties, church events, and more.



Image: ZERFUN WM-2 Dual Wireless Microphone System showing two microphones, the receiver, charging cables, microphone windscreens, and anti-skid rings.

## PACKAGE CONTENTS

Before setup, please verify that all components are present in the package:

- ZERFUN Rechargeable Wireless Microphone x 2
- Receiver x 1
- Charging Cable x 2
- Microphone Windscreen x 2
- Antiskid Ring x 2
- User Manual x 1 (This document)

# PACKAGE LIST



Charging Cable x 1



Charging Cable x 1



ZERFUN Receiver x 1



ZERFUN WM-2  
Rechargeable  
Wireless Microphones

User Manual x 1



Wireless Microphone x 2

## GIFT



Microphone Windscreen x 2



Antiskid Ring x 2

Image: Detailed view of the ZERFUN WM-2 package contents, including microphones, receiver, cables, and accessories.

## SETUP INSTRUCTIONS

### 1. Charging the Devices

Both the microphones and the receiver have built-in rechargeable batteries. Ensure they are fully charged before first use for optimal performance.

1. Connect the provided charging cables to the USB-C charging port on each microphone and the receiver.
2. Plug the other end of the charging cables into a standard USB power adapter (not included).
3. Charging time for microphones is approximately 3-4 hours. Working time is 8-10 hours.
4. Charging time for the receiver is approximately 3-4 hours. Working time is 3-4 hours.

## RECHARGEABLE METAL CARDIOID WIRELESS MICROPHONES



Image: Visual guide for charging the microphones and receiver, highlighting battery life and charging times.

## 2. Connecting the Receiver

The receiver is designed to connect to devices with a 1/4 inch (6.35mm) MIC input.

1. Identify the 1/4 inch (6.35mm) MIC input on your speaker, PA system, power amplifier, audio interface, or mixing board.
2. Insert the receiver's 1/4 inch plug firmly into the MIC input.
3. Ensure the receiver's antenna is positioned for optimal signal reception. The plug can rotate 90 degrees for convenience.
4. **Important Note:** This microphone system is NOT compatible with phones, PCs, or cameras.

# WIDE COMPATIBILITY

COMPATIBLE WITH KARAOKE MACHINE,  
POWERED SPEAKER, AUDIO INTERFACE, AMPLIFIER, MIXING BOARD



SUITABLE FOR DEVICES WITH  
1/4" (6.35 MM) MIC INPUT



**NOTE:** This system is **NOT**  
compatible with phones, computers and tablets

Image: Compatibility diagram for the ZERFUN wireless microphone system, showing suitable audio devices and incompatible devices.

# RECEIVER'S USING GUIDE



Image: Close-up view of the receiver with labeled parts and its rotating plug feature.

## OPERATING INSTRUCTIONS

### 1. Powering On/Off

1. To power on the receiver, press and hold the Receiver Power Button (labeled as 2 in the receiver diagram). The Power Indicator (7) will light up.
2. To power on each microphone, press and hold the power button located on the microphone. The LED display will illuminate.
3. To power off, repeat the process by pressing and holding the respective power buttons.

### 2. Automatic Frequency Synchronization

The ZERFUN WM-2 system features automatic frequency scanning and transmission for easy synchronization. Once the

receiver and microphones are powered on, they should automatically connect.

- The system operates within the UHF frequency range of 500 - 599 MHz.
- It supports up to 260 feet (outdoor) transmission range.
- There are 50 compatible frequencies on each channel (2 x 50) for interference-free reception.

## UHF METAL CARDIOID WIRELESS MICROPHONES

The diagram features two ZERFUN wireless microphones on the left, each with a digital display showing '5735'. To the right, a green battery icon is shown with two callout boxes: 'WORKING TIME 8-10 HOURS' and 'CHARGING TIME 3-4 HOURS'. Further right, four circular callouts highlight features: 'Steel Mesh Head', 'Cardioid Dynamic Pickup', 'Clear LED Display', and 'USB-C Charging Port'.

Image: Diagram showing the wireless range and frequency capabilities of the system.

### 3. Microphone Controls

Each microphone is equipped with independent controls for volume, echo, treble, and bass, allowing for precise sound customization.

- **VOL Control:** Adjusts the overall microphone volume ( $\pm 15$  levels).
- **CHANNEL Control:** Allows selection of channels ( $\pm 50$  levels) to avoid interference.
- **ECHO Control:** Adjusts the echo effect ( $\pm 15$  levels).
- **TREBLE Control:** Adjusts the high-frequency response ( $\pm 12$  levels).
- **BASS Control:** Adjusts the low-frequency response ( $\pm 12$  levels).

# RECHARGEABLE WIRELESS MICROPHONES

with CHANNEL/VOL/ECHO/BASS/TREBLE Control



Image: Detailed view of microphone controls for volume, channel, echo, treble, and bass.

The microphones feature a cardioid dynamic pickup pattern, meaning they primarily pick up sound from the front, effectively isolating vocals from background noise. Speak towards the top of the microphone for optimal sound capture.

# DUAL CHANNEL(2 X 50 FREQUENCY) FOR INTERFERENCE-FREE RECEPTION

Plug and Use - Auto Scan & Transmit



UHF  
260 FT(Outdoor)



FCC

US FCC Standard Frequency Brand

Image: Internal and external features of the microphone, including pickup pattern and charging details.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the microphones and receiver. Do not use liquid cleaners or solvents.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Battery Care:** To prolong battery life, avoid fully discharging the batteries frequently. Recharge them regularly, even if the system is not used for extended periods.
- **Microphone Windscreens:** The included windscreens help reduce plosive sounds and protect the microphone capsule. Replace them if they become worn or damaged.
- **Antiskid Rings:** Use the antiskid rings to prevent microphones from rolling on flat surfaces and to provide additional grip.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound from microphones.	<ul style="list-style-type: none"> <li>Microphones or receiver are off.</li> <li>Low battery.</li> <li>Incorrect connection to audio device.</li> <li>Microphone volume is too low.</li> <li>Interference.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure all devices are powered on.</li> <li>Recharge microphones and receiver.</li> <li>Verify receiver is plugged into the correct 1/4" MIC input.</li> <li>Increase microphone volume using the VOL control.</li> <li>Change microphone channel to avoid interference.</li> </ul>
Static or distorted sound.	<ul style="list-style-type: none"> <li>Interference from other wireless devices.</li> <li>Microphone too far from receiver.</li> <li>Low battery.</li> <li>Incorrect audio settings (Echo, Treble, Bass).</li> </ul>	<ul style="list-style-type: none"> <li>Change microphone channel.</li> <li>Reduce distance between microphone and receiver (max 260 ft).</li> <li>Recharge batteries.</li> <li>Adjust Echo, Treble, and Bass controls on the microphone.</li> </ul>
Microphone not picking up voice clearly.	<ul style="list-style-type: none"> <li>Speaking into the side of the microphone.</li> <li>Microphone volume too low.</li> </ul>	<ul style="list-style-type: none"> <li>Speak directly into the top of the microphone (cardioid pickup).</li> <li>Increase microphone volume.</li> </ul>

## SPECIFICATIONS

Feature	Detail
Model	WM-2
Microphone Form Factor	Handheld
Power Source	Battery Powered (3 Lithium Ion batteries included)
Material	Metal
Hardware Platform Compatibility	Karaoke Machine, Speaker, Amplifier, Audio Interface, Audio Mixer
Number of Channels	2 (50 compatible frequencies per channel)
Frequency Range	500 - 599 MHz (UHF)
Transmission Range	Up to 260 feet (outdoor)
Microphone Working Time	Approx. 8-10 Hours
Receiver Working Time	Approx. 3-4 Hours
Charging Time	Approx. 3-4 Hours (for both)

Feature	Detail
Polar Pattern	Unidirectional (Cardioid)
Connector Type	6.35 mm Jack
Special Features	Echo, Treble, BASS, Volume, Channel Control; Rechargeable
Item Weight	1.68 pounds
Package Dimensions	12.05 x 7.56 x 2.6 inches

## WARRANTY AND SUPPORT

ZERFUN provides comprehensive support for its products:

- **Manufacturer Assurance:** 12-Month Manufacturer Assurance from the date of purchase.
- **Replacement Service:** 30-Day Replacement Service for defective products.
- **Customer Service:** Supportive 24-Hours After-Sales Customer Service. For assistance, please refer to the contact information provided with your purchase or visit the official ZERFUN website.