

## ZERFUN D240

# ZERFUN D240 Rechargeable Wireless Microphone System User Manual

Model: D240

## 1. INTRODUCTION

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Thank you for choosing the ZERFUN D240 Rechargeable Wireless Microphone System. This professional handheld cordless microphone system is designed to provide high-quality audio for various applications, including home karaoke, meetings, parties, church events, and DJ performances. Please read this manual thoroughly before operating the system to ensure proper use and optimal performance.

## 2. PACKAGE CONTENTS

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The ZERFUN D240 system includes the following components:

- ZERFUN Rechargeable Cordless Microphones x 4
- Receiver x 1
- Charging Cable x 3
- Microphone Windscreen x 4
- Antiskid Ring x 4
- User Manual x 1



Figure 2.1: Contents of the ZERFUN D240 package, showing four microphones, one receiver, charging cables, windscreens, antiskid rings, and the user manual.

### 3. PRODUCT FEATURES

- **4 Rechargeable Wireless Microphones:** Features independent Volume, ECHO, Treble, and BASS Control for precise audio adjustment. These are cardioid wireless mics, designed to pick up sound unidirectionally, isolating vocals from background noise.
- **Versatile Output:** Equipped with a 1/4 Inch (6.35mm) Receiver Output, compatible with Speakers, PA Speaker Systems, Power Amplifiers, or other devices with a MIC Input. *Note: This microphone set is not designed for use with phones, PCs, or cameras.*
- **Extended Transmission Range:** Supports an outdoor transmission range of up to 164 feet (50 meters). Operates on 2.4Ghz frequencies, compliant with FCC regulations.
- **Long-lasting Battery Life:** Both microphones and the receiver feature built-in rechargeable batteries. Microphones provide approximately 8-10 hours of working time when fully charged, while the receiver offers about 4-5 hours.
- **Durable Construction:** Microphones are made with metal for enhanced durability.

# RECHARGEABLE WIRELESS MICROPHONES

with VOL/ECHO/BASS/TREBLE Control

**VOL**  
Control  
±15 Level

**ECHO**  
Control  
±15 Level

**TREBLE**  
Control  
±7 Level

**BASS**  
Control  
±7 Level



Figure 3.1: Close-up of the ZERFUN D240 microphones, highlighting the VOL, ECHO, Treble, and BASS controls.

# 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

Figure 3.2: Diagram illustrating the wide compatibility of the ZERFUN D240 system with karaoke machines, powered speakers, audio interfaces, amplifiers, and mixing boards, and explicitly showing incompatibility with phones, computers, and tablets.

## 4. SETUP

1. **Charge the Microphones and Receiver:** Before first use, fully charge all four microphones and the receiver using the provided charging cables. The microphones have a USB-C charging port at the bottom.
2. **Connect the Receiver:** Insert the 1/4 inch (6.35mm) plug of the receiver into the MIC input of your compatible audio device (e.g., PA speaker, amplifier, karaoke machine).
3. **Power On:** Turn on the receiver using its power switch button. The power indicator light will illuminate.
4. **Activate Microphones:** Turn on each microphone. The system features auto-frequency scanning and transmission setup, so the microphones should automatically connect to the receiver. The RF receiving indicators (A.RF, B.RF, C.RF, D.RF) on the receiver will light up when a microphone is connected.
5. **Adjust Volume:** Start with the volume controls on both the microphones and your audio device at a low setting, then gradually increase to a comfortable listening level.

# RECEIVER'S USING GUIDE

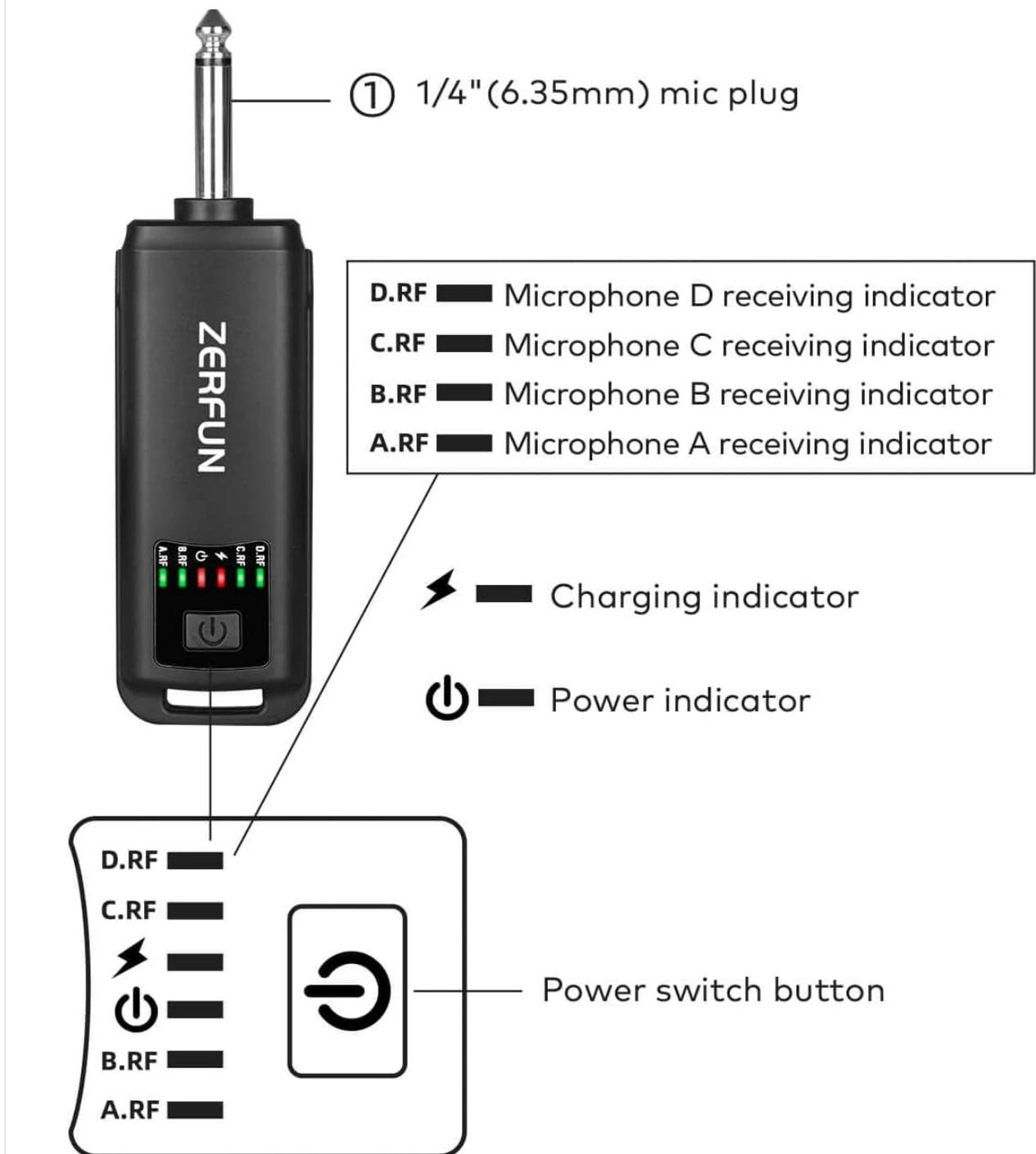


Figure 4.1: Detailed guide for the receiver, showing the 1/4" mic plug, RF receiving indicators for each microphone (A, B, C, D), charging indicator, and power switch button.

## 5. OPERATING INSTRUCTIONS

The ZERFUN D240 system offers intuitive controls for an enhanced audio experience:

- **Volume Control (VOL):** Each microphone has an independent volume control, adjustable up to  $\pm 15$  levels. Use this to set the individual microphone's output level.
- **Echo Control (ECHO):** Adjust the echo effect up to  $\pm 15$  levels to add depth and resonance to your

vocals.

- **Treble Control (TREBLE):** Fine-tune the high frequencies with  $\pm 7$  levels of treble control to brighten or soften the sound.
- **Bass Control (BASS):** Adjust the low frequencies with  $\pm 7$  levels of bass control to add warmth or punch to your audio.
- **Cardioid Pickup Pattern:** Speak directly into the top of the microphone for optimal sound capture. This directional pattern helps minimize background noise.

## STABLE & LONG TRANSMISSION WIRELESS DISTANCE

Plug and Use - Auto Scan & Transmit



US FCC Standard Frequency Brand

Figure 5.1: Visual representation of the VOL, ECHO, Treble, and BASS controls on the ZERFUN D240 microphones.

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your ZERFUN D240 Wireless Microphone System, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the microphones and receiver. Avoid using abrasive cleaners, solvents, or harsh chemicals.
- **Storage:** When not in use, store the system in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Battery Care:** Recharge the batteries regularly, even if the system is not frequently used, to maintain battery health. Avoid completely draining the batteries before recharging.

- **Handle with Care:** Although the microphones feature metal construction, avoid dropping or subjecting them to strong impacts, which can damage internal components.

## 7. TROUBLESHOOTING

If you encounter any issues with your ZERFUN D240 system, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound from microphone	Microphone or receiver not powered on; low battery; incorrect connection; microphone not paired.	Ensure both microphone and receiver are turned on and charged. Check all cable connections. Verify the microphone is paired with the receiver (RF indicator on receiver should be lit).
Poor sound quality / Static	Interference; microphone too far from receiver; low battery; incorrect audio settings.	Reduce distance between microphone and receiver. Ensure no strong interference sources (e.g., Wi-Fi routers, other 2.4GHz devices) are nearby. Recharge batteries. Adjust VOL, ECHO, Treble, and BASS controls.
Echo present even on zero echo setting	Acoustics of the room; external echo effects.	This can sometimes be due to room acoustics. Ensure no other echo effects are enabled on your connected audio device. If the issue persists, contact customer support.
Receiver connection issues (e.g., broken plug)	Physical damage to the receiver's plug.	Handle the receiver plug with care when inserting or removing it from devices. If physically damaged, contact customer support for repair or replacement options.

## 8. SPECIFICATIONS

Feature	Detail
Brand	ZERFUN
Model Number	D240
Connectivity Technology	2.4Ghz Wireless
Connector Type	6.35 mm Jack (1/4 Inch)
Microphone Form Factor	Handheld
Polar Pattern	Unidirectional (Cardioid)
Number of Channels	4
Power Source	Battery Powered (Lithium Ion)
Microphone Battery Life	8-10 Hours (approx.)

Feature	Detail
Receiver Battery Life	4-5 Hours (approx.)
Transmission Range	Up to 164 feet (Outdoor)
Compatible Devices	Amplifier, Audio Interface, Audio Mixer, Karaoke Machine, Speaker
Item Weight	2.64 pounds
Package Dimensions	11.69 x 7.44 x 4.69 inches

## 9. WARRANTY AND SUPPORT

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Genuine ZERFUN Wireless Microphone products come with supportive 24-Hours After-Sales Customer Service and a 12-Month Manufacturer Assurance. For any inquiries or assistance, please contact ZERFUN customer support.