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› Bietrun UHF Dual Wireless Microphone System WXM31-2 User Manual

## Bietrun WXM31-2

# Bietrun UHF Dual Wireless Microphone System WXM31-2 User Manual

Model: WXM31-2

## INTRODUCTION

Welcome to the Bietrun UHF Dual Wireless Microphone System WXM31-2. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your new wireless microphone system. Please read this manual thoroughly before use to ensure optimal performance and longevity of your device.

## PACKAGE CONTENTS

- 2 x Bietrun WXM31-2 Wireless Microphones
- 1 x Rechargeable Receiver (1/4" Plug)
- 1 x 6.35mm to 3.5mm Adapter
- 1 x USB Charging Cable (for both microphones and receiver)
- 2 x Anti-roll Rings (color may vary)
- 1 x User Manual



## Plug&Play - Easy to Use

An image displaying all components included in the Bietrun WXM31-2 package: two wireless microphones, one rechargeable receiver, one 6.35mm to 3.5mm adapter, one USB charging cable, and two anti-roll rings.

### SETUP INSTRUCTIONS

#### 1. Powering the Microphones

Each microphone requires 2 AA batteries (not included).

1. Unscrew the bottom part of the microphone.
2. Insert 2 AA batteries, ensuring correct polarity.
3. Screw the bottom part back on.



● Power by 2 AA batteries  
(Batteries are NOT included)

Built-in  
**1200mAh**  
Rechargeable Battery



**6hrs**  
of working time

**3hrs**  
of charging time



## Microphone & Receiver Power Supply

A close-up image showing the bottom part of the microphone unscrewed, revealing the battery compartment for two AA batteries.

### 2. Charging the Receiver

The receiver has a built-in 1200mAh rechargeable lithium-ion battery.

1. Connect the USB charging cable to the receiver's DC 5V input port.
2. Connect the other end of the USB cable to a power source (e.g., USB adapter, computer USB port).
3. The charging indicator light will illuminate. A full charge takes approximately 3-4 hours and provides up to 7+ hours of working time.





Amplifiers

Audio interface

Mixer

Karaoke machine

PA system

Powered speaker



Not compatible with computers, smartphones, table



## Wide Compatibility

An image showing the compact receiver connected to a USB charging cable, with a red indicator light visible, signifying charging.

### 3. Connecting the Receiver to an Audio Device

The receiver features a 1/4" (6.35mm) plug.

1. Insert the receiver directly into the 1/4" MIC input jack of your audio device (e.g., speaker, singing machine, audio amplifier, PA system, mixer, audio interface).
2. If your audio device has a 3.5mm MIC input, use the included 6.35mm to 3.5mm adapter.

**Note: Ensure the receiver is plugged into a MIC input, not an AUX input. Not compatible with computers, smartphones, or tablets directly without an appropriate audio interface.**



## Microphone & Receiver Power Supply

A diagram illustrating the receiver's compatibility with various audio devices like amplifiers, mixers, karaoke machines, and PA systems, highlighting that it must be connected to a MIC input.

An official Bietrun video demonstrating the plug-and-play setup of the WXM31 wireless microphone system, showing the receiver being plugged into a karaoke machine and microphones being turned on.

An official Bietrun video showcasing the automatic connection feature of the wireless microphone system, from plugging in the receiver to turning on the microphones.

## OPERATING INSTRUCTIONS

### 1. Powering On/Off

To power on each microphone, long-press the power button located on the microphone body. The display will light up.

To power off, long-press the power button again.

To power on the receiver, press the power button on the receiver. The indicator lights for channels A and B will illuminate.

### 2. Automatic Connection

The microphone and receiver are designed to connect automatically upon powering on. The receiver will display which microphone (A or B) is active.



A visual guide showing Step 1: Turn on the Microphone (displaying CH01), and Step 2: Turn on the Receiver (showing PWR CHR, DC 5V, and POWER buttons with A and B indicators).

### 3. Adjusting Channels

Each microphone has 15 adjustable frequency channels. If you experience interference or are using multiple microphone sets, you can change the channel.

1. Short-press the "CH" (Channel switch) button on the microphone body to cycle through available channels (CH01-CH15).
2. Ensure each microphone in use is set to a different channel to avoid interference.



US FCC standard frequency band

UHF Distance

98FT



No  
bluetooth  
function



98FT Wireless Distance

A detailed diagram of the microphone showing the battery indicator, signal indicator, channel display (CH05), long-press for on/off, short-press for volume, and the channel switch key.

#### 4. Adjusting Volume

Short-press the power/volume button on the microphone to adjust the volume level.

#### 5. Optimal Microphone Usage

For the best sound quality and to ensure your voice is loud and clear, speak with your mouth close to the top of the microphone.



## 25MM Big Dynamic Circle

Clearer sound pickup, lossless realistic sound

An exploded view diagram of the microphone's 25mm dynamic core, highlighting features like cardioid pickup, high sensitivity, high fidelity, and noise filtering for clearer sound.

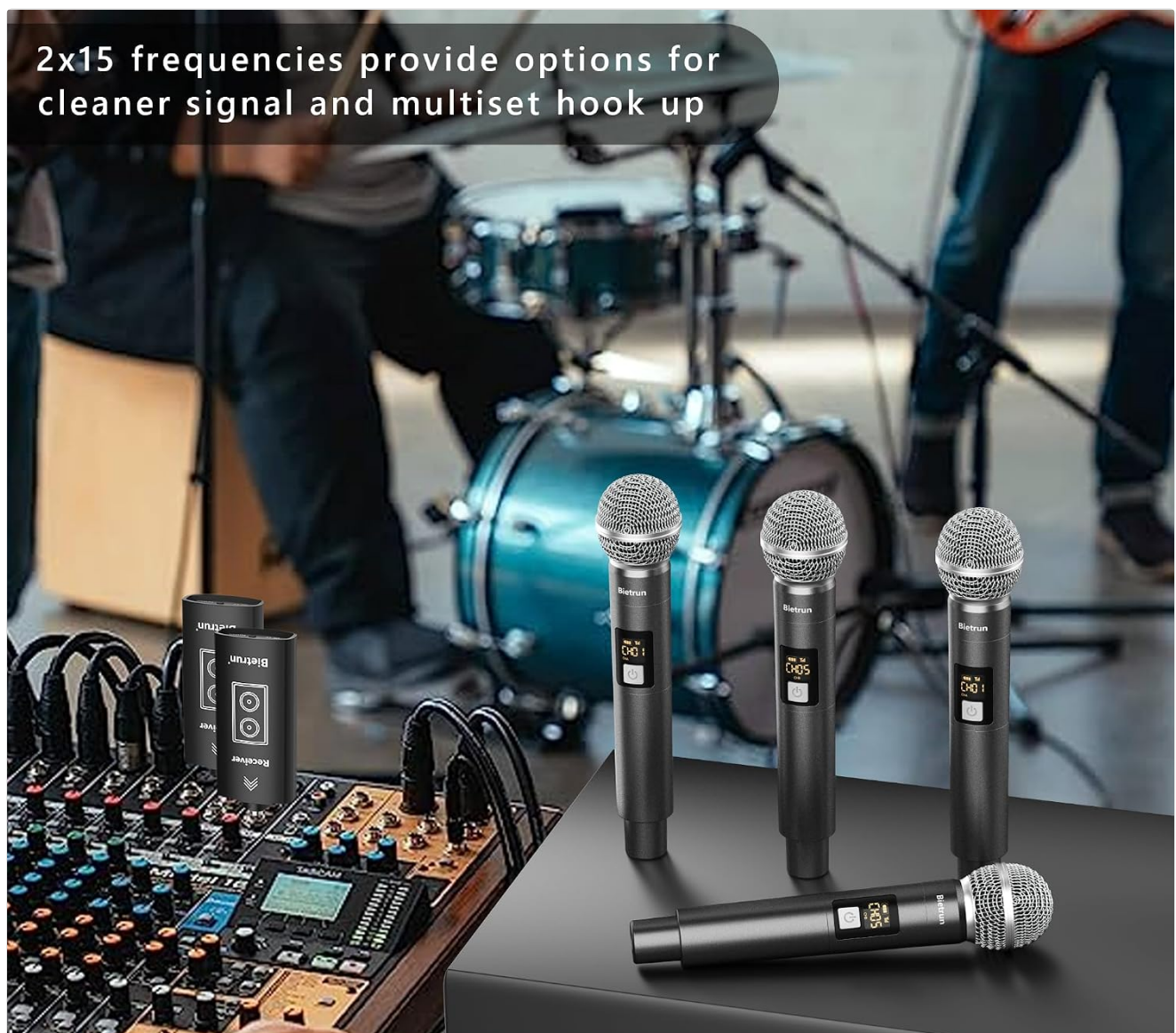
### MAINTENANCE

- Keep the microphones and receiver dry and clean.
- Avoid exposing the devices to extreme temperatures or direct sunlight.
- When not in use for extended periods, remove AA batteries from the microphones to prevent leakage.
- Recharge the receiver regularly to maintain battery health.
- Use a soft, dry cloth to clean the exterior of the microphones and receiver.

### TROUBLESHOOTING

| Problem  | Possible Cause                      | Solution                                             |
|----------|-------------------------------------|------------------------------------------------------|
| No Sound | Microphone/Receiver not powered on. | Ensure both microphones and receiver are powered on. |

| Problem                         | Possible Cause                                            | Solution                                                                                                              |
|---------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| No Sound                        | Low microphone batteries.                                 | Replace AA batteries in microphones.                                                                                  |
| No Sound                        | Low receiver battery.                                     | Recharge the receiver.                                                                                                |
| No Sound                        | Receiver not plugged into MIC input.                      | Plug receiver into the correct 1/4" or 3.5mm MIC input.                                                               |
| Interference/Poor Sound Quality | Microphones on the same channel or external interference. | Change the channel on the microphone by short-pressing the "CH" button. Ensure each microphone uses a unique channel. |
| Interference/Poor Sound Quality | Distance too far from receiver.                           | Reduce the distance between the microphone and receiver (max 98 ft in open areas). Ensure line of sight.              |
| Interference/Poor Sound Quality | Obstructions between microphone and receiver.             | Remove any large obstructions between the microphone and receiver.                                                    |



2x15 frequencies provide options for cleaner signal and multiset hook up

**Multiple Group Use**

A diagram illustrating the 98ft wireless transmission range of the microphones, showing the receiver and two microphones with signal waves.

## SPECIFICATIONS

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- **Model:** WXM31-2
- **Brand:** Bietrun
- **Connectivity Technology:** UHF
- **Wireless Range:** Up to 98 feet (open place)
- **Microphone Type:** Dynamic
- **Polar Pattern:** Unidirectional
- **Audio Sensitivity:** 95 dB
- **Frequency Response:** 50Hz - 16KHz
- **Impedance:** 600 ohms
- **Adjustable Channels:** 15 per microphone
- **Microphone Power:** 2 x AA batteries (not included)
- **Receiver Battery:** Built-in 1200mAh rechargeable lithium-ion battery
- **Receiver Working Time:** Up to 7+ hours
- **Receiver Charging Time:** 3-4 hours
- **Connector Type:** 1/4" (6.35mm) plug, includes 3.5mm adapter
- **Compatible Devices:** Speakers, Singing machines, Audio amplifiers, PA systems, Voice amplifiers, Mixers, Audio Interfaces, etc. (with MIC input)
- **Material:** Metal (microphones)
- **Item Dimensions:** 1.35 x 1.2 x 9.4 inches (microphone)

## WARRANTY AND SUPPORT

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This Bietrun WXM31-2 Wireless Microphone System comes with a 1-year warranty from the date of purchase. For technical support, warranty claims, or any questions regarding your product, please contact Bietrun customer service through the retailer's platform or visit the official Bietrun website. Please have your model number (WXM31-2) and proof of purchase ready.

## ADDITIONAL INFORMATION

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The display on each microphone shows battery power and signal strength in real-time, preventing unexpected power loss during use.

The all-metal design of the handheld microphones ensures durability and a comfortable grip.



US FCC standard frequency band

UHF Distance

98FT



No  
bluetooth  
function



98FT Wireless Distance

A close-up of the microphone's display, showing real-time battery level and channel information, which helps monitor usage.

## ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

#### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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