Bietrun WXM02

Bietrun Wireless Microphone System User Manual
MODEL: WXM02

Introduction

This user manual provides comprehensive instructions for the Bietrun Wireless Microphone System, Model WXM02. It covers essential information regarding setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device. Please read this manual thoroughly before using the product.

Figure 1: Bietrun Wireless Microphone System components.

Setup

1. Unpacking and Contents

Carefully unpack all items from the box. The package should contain the following:

- Two Wireless Microphones (Red and Grey)
- One Rechargeable Receiver
- One 6.35mm to 3.5mm Adapter
- User Manual (this document)
- Warranty Card

Figure 2: Package contents.

2. Powering the Microphones

Each microphone requires two AA alkaline batteries (not included). To install batteries:

1. Unscrew the bottom part of the microphone to open the battery compartment.
2. Insert two AA batteries, ensuring correct polarity (+ and - directions).
3. Securely close the battery compartment.

Figure 3: Microphone battery installation and receiver charging status.

3. Charging the Receiver

The receiver has a built-in rechargeable battery. Before first use, charge the receiver for approximately 5 hours. A full charge typically takes 3 hours and provides up to 4 hours of working time.

4. Connecting the System to Audio Equipment

The Bietrun Wireless Microphone System is designed for equipment with a **MIC input** (6.35mm or 1/4 inch jack port). It is not compatible with AUX inputs, Bluetooth speakers, or laptops.
To connect the receiver:

1. Insert the receiver's 6.35mm plug directly into the MIC input jack of your audio equipment (e.g., speaker, amplifier,

PA system, mixer, karaoke machine).

2. If your equipment has a 3.5mm MIC input, use the included 6.35mm to 3.5mm adapter.

Important: Ensure your device has a dedicated MIC input. Connecting to an AUX input will result in no sound.

Figure 4: Connection method and compatible devices.

Figure 5: Identifying the correct MIC input port.

Operation

1. Powering On/Off

To power on both the microphone and the receiver, press and hold their respective power buttons until the display or indicator light activates.
To power off, press and hold the power buttons again.

2. Adjusting Channels and Preventing Interference

The system features 15 UHF adjustable channels. If you experience interference or are using multiple microphone systems simultaneously, you can change the channel:

1. Open the battery cover of the microphone.
2. Locate and click the "HI LO" button inside the battery compartment.
3. Ensure each microphone operates on a different channel, and ideally, choose channels that are far apart to minimize interference.

No Need To Pair, Plug And Play

Plug in 6.35MM MIC hole. Ready to use

Press this switch to control the volume (Level 8-12)

Click the button to change frequency band to prevent interference

Max 15 microphones in the same environment

Battery's not included

Bietrun

Figure 6: Microphone controls for volume and frequency adjustment.

3. Microphone Display Information

The microphone's display shows real-time information, including battery power and signal strength, allowing you to monitor the status during use.

Figure 7: Microphone display details.

4. Optimal Microphone Usage

The microphone features a professional moving-coil unidirectional core. For best sound pickup and loud voice output, position your mouth close to the top of the microphone. This is particularly important for applications such as conferences, speeches, outdoor events, church services, family parties, and promotions.
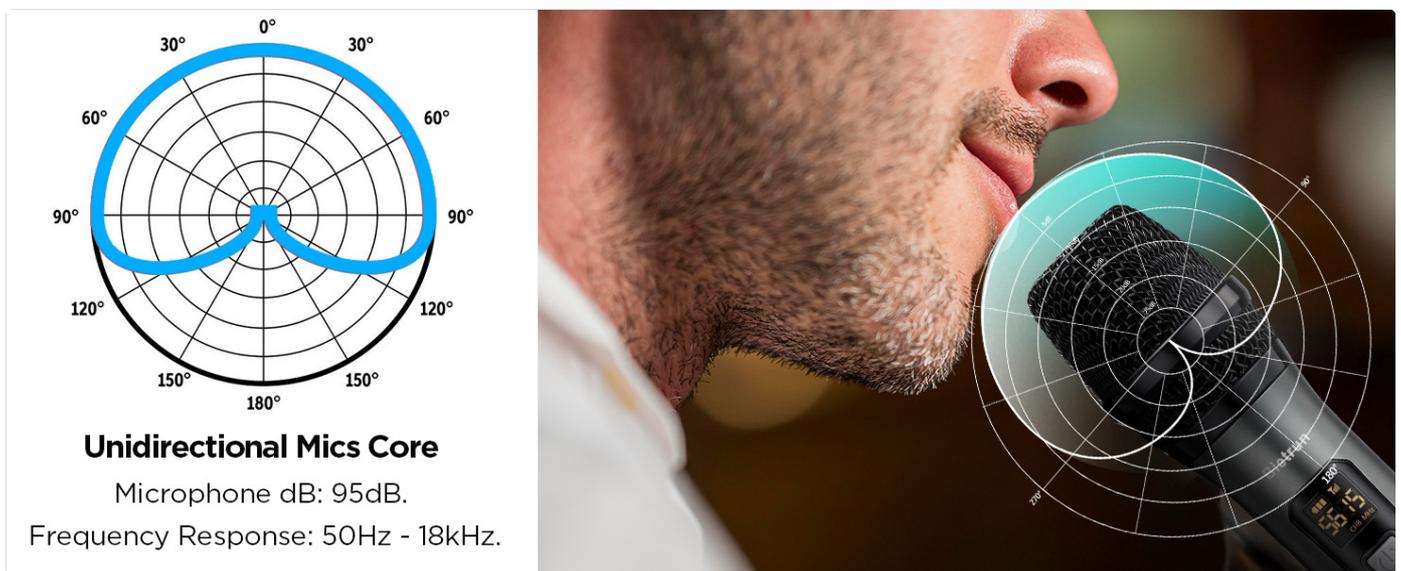
Figure 8: Unidirectional microphone core and optimal usage.

Maintenance

Proper maintenance ensures the longevity and performance of your Bietrun Wireless Microphone System.

- **Cleaning:** Use a soft, dry cloth to clean the microphones and receiver. Avoid using abrasive cleaners or solvents.
- **Battery Care:**

    - For microphones, remove AA batteries if the device will not be used for an extended period to prevent leakage.
    - For the rechargeable receiver, avoid fully discharging the battery frequently. Recharge it regularly to maintain battery health.

- **Storage:** Store the system in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Handling:** Handle the microphones and receiver with care to prevent drops or impacts that could damage internal components.

Troubleshooting

If you encounter issues with your Bietrun Wireless Microphone System, refer to the following common troubleshooting steps:

1. **No Sound from Microphone:**

    - Ensure both the microphone and receiver have sufficient power. Check battery levels on the microphone display and ensure the receiver is charged.
    - Verify that the receiver is connected to an audio equipment with a **MIC input**, not an AUX input.
    - If still no sound, the microphone and receiver may need to be re-paired:

        a. Turn off both the receiver and the microphone.
        b. Open the microphone battery cap.
        c. Press and hold the microphone's "HI LO" button for more than 10 seconds until the display channel flashes.
        d. Quickly turn on the receiver.
        e. Wait for the microphone channel display to stop flashing and the blue light on the receiver to remain solid. The devices are now re-paired and ready for use.

2. **Interference or Noise:**

- Change the channel on the microphone as described in the "Operation" section. Ensure that if multiple systems are in use, their channels are distinct and spaced apart.
- Ensure there are no strong electromagnetic interference sources nearby.

3. **Short Wireless Range:**

- Ensure there are no major obstructions (e.g., thick walls, large metal objects) between the microphone and the receiver.
- Check for other wireless devices operating on similar frequencies that might cause interference.

Specifications

Key technical specifications for the Bietrun Wireless Microphone System (Model WXM02):
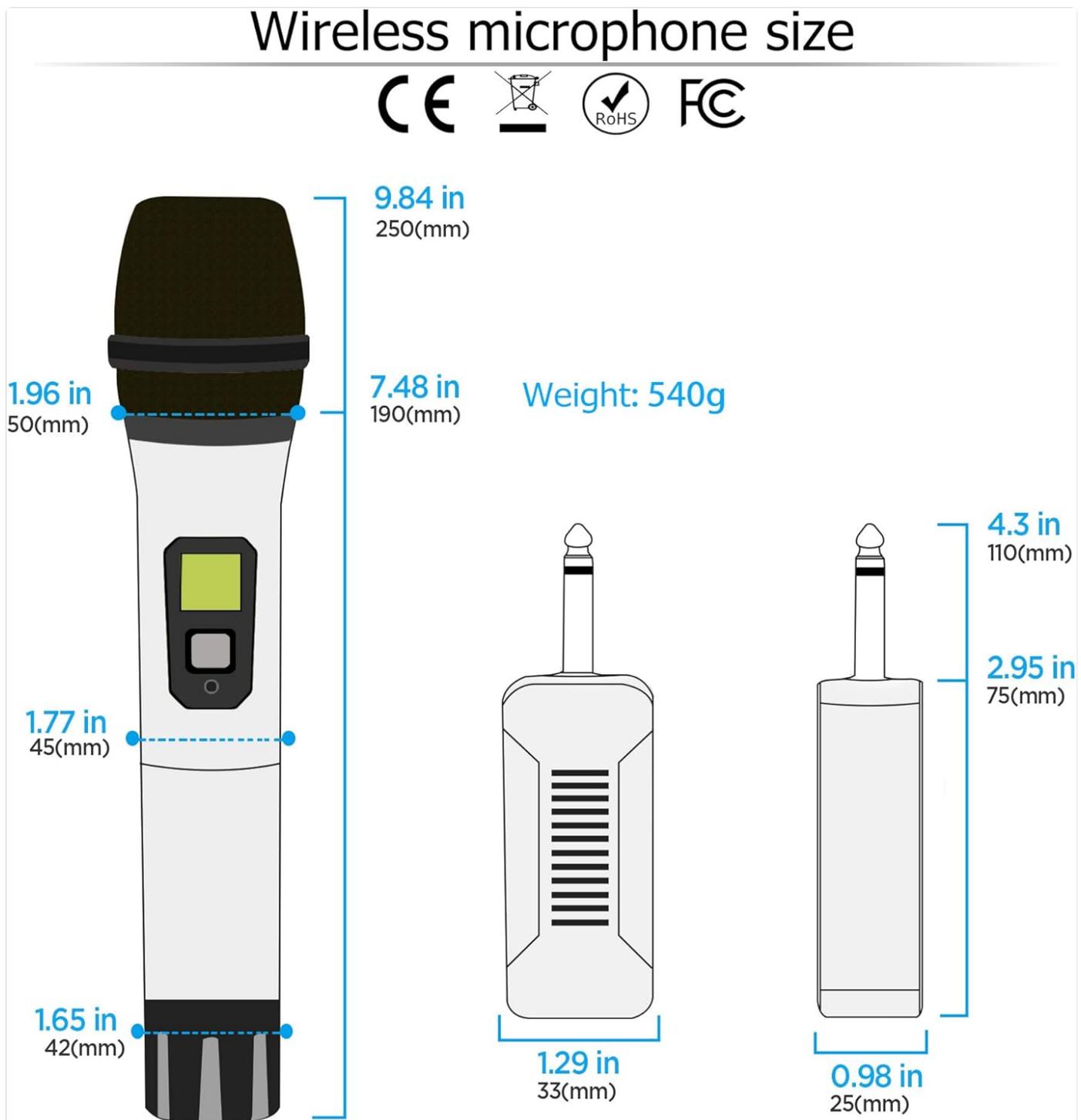

Figure 9: Wireless microphone and receiver dimensions.

Feature	Value
Brand	Bietrun
Model Name	WXM02
Connectivity Technology	UHF
Connector Type	6.35 mm Jack
Microphone Form Factor	Handheld
Polar Pattern	Unidirectional
Number of Channels	15
Wireless Distance	Up to 160 feet (50m)
Microphone Power Source	2 x AA Batteries (not included)
Receiver Battery	Built-in 650 mAh Lithium Polymer (Rechargeable)
Receiver Work Time	Approx. 4 hours
Receiver Charge Time	Approx. 3 hours
Material	Metal (Mic Outer Case)
Audio Sensitivity	130 dB
Signal-to-Noise Ratio	120 dB
Distortion	<0.2%
Item Weight	9.5 ounces (270 Grams)
Product Dimensions (L x W x H)	9.65 x 2.01 x 2.01 inches

Warranty and Support

Your Bietrun Wireless Microphone System comes with a warranty card included in the package. Please refer to the warranty card for specific terms and conditions regarding coverage and duration.

For further assistance, technical support, or inquiries, please visit the official Bietrun store or contact their customer service through the details provided on the warranty card or the brand's official website.

Visit the Bietrun Store: Bietrun Official Store

Related Documents - WXM02

	[Bietrun WXM30 UHF Professional 8-Channel Rechargeable Wireless Microphone System User Manual](#) This user manual provides detailed information on the Bietrun WXM30, an 8-channel UHF professional rechargeable wireless microphone system. It covers product introduction, description of microphones and receiver, connection guides, troubleshooting (FAQ), technical parameters, packing list, and FCC compliance information.
	[Bietrun Wireless Microphone System User Manual](#) Comprehensive user manual for the Bietrun wireless microphone system, detailing features, setup, troubleshooting, and product specifications. Includes information on microphone and receiver operation, Bluetooth connectivity, and package contents.
	[Bietrun WXM09 Wireless UHF Microphone User Manual](#) User manual for the Bietrun WXM09 Wireless UHF Microphone system, detailing product introduction, features, operation, connection, troubleshooting, and specifications.
	[Bietrun WXM19 Wireless Microphone System User Manual](#) Comprehensive user manual for the Bietrun WXM19 UHF wireless microphone system. Includes setup, operation, troubleshooting, and specifications for optimal performance.
	[Bietrun TS-230: Guida all'Amplificatore Portatile con Microfono Wireless](#) Scopri il Bietrun TS-230, un sistema amplificatore portatile con microfono wireless, radio FM e riproduzione USB. Questa guida dettagliata offre istruzioni operative, specifiche tecniche e consigli per l'uso.
	[Bietrun TS-230 Wireless Voice Amplifier User Manual](#) User manual for the Bietrun TS-230 Wireless Voice Amplifier, detailing its features, operation, troubleshooting, and specifications. Includes UHF wireless and wired microphone support, Bluetooth, FM radio, USB, and Micro SD card playback.

Documents - Bietrun – WXM02

FCC TEST REPORT

For

SHENZHEN JINGDU TECHNOLOGY CO.,LTD

UHF Wireless Microphone

Test Model: WXM02

Additional Model: Please Refer to Page 7

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Date of receipt of test sample	:	November 27, 2019
Number of tested samples	:	1
Serial number	:	Prototype
Date of Test	:	November 27, 2019 ~ December 04 2019
Date of Report	:	December 05, 2019

[pdf] Test Report

FCC PART 15 news LCS191119039AEA Test report 74 SHENZHEN JINGDU TECHNOLOGY CO LTD WXM02 UHF Wireless Microphone 2AO85 2AO85WXM02 wxm02

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AO85-**WXM02** Report No.:LCS191119039AEA FCC TEST REPORT For SHENZHEN JINGDU TECHNOLOGY CO.,LTD UHF Wireless Microphone Test Model: **WXM02** Additional Model: Please Refer to Page 7 Prepared for Address : SHENZHEN JINGDU TECHNOLOGY CO.,LTD : 4F,...

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