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> LMBGM X2 LED Mic Wireless Microphone System User Manual

LMBGM X2

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INTRODUCTION

The LMBGM X2 LED Mic Wireless Microphone System provides a professional audio solution for various applications including performances, karaoke, teaching, and live streaming. Utilizing UHF frequency transmission technology, this system ensures stable, clear sound transmission up to 50 meters, minimizing interference. It offers flexible configurations, including handheld microphones, and is designed for wide compatibility with various audio devices.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Handheld Microphone(s)
- Wireless Receiver
- 6.35mm to 3.5mm Adapter
- USB Charging Cable (for receiver)

PROFESSIONAL KARAOKE MICROPHONE

UHF wireless microphone, anti-interference, equipped with high-quality microphone core, anti whistling, achieving true human voice reproduction



Low
Latency



Feedback
Suppression



Remote
Connectivity



Sufficient
Battery Life

Image displaying two handheld microphones, which may be included depending on the specific product variant.

UHF TRANSMISSION

This unique technology enhances anti-interference performance, ensuring stable signal transmission.

UHF



Equipped with
6.35mm to 3.5mm
adapter

Image illustrating the wireless receiver with its 6.35mm plug and the included 3.5mm adapter for broader compatibility.

PRODUCT FEATURES

- **Professional UHF Transmission:** Utilizes UHF frequency technology for stable, long-distance transmission up to 50 meters, avoiding co-channel interference. Features 15 selectable channels for simultaneous use of multiple microphones.
- **High-Quality Dynamic Microphone Head:** Designed with a shock-resistant grille to reduce handling noise and environmental interference, capturing vocal details for rich, natural, and clear sound.
- **Wide Compatibility & Plug-and-Play:** The receiver features a standard 6.35mm plug and includes a 3.5mm adapter, making it compatible with speakers, amplifiers, mixers, computers, and other audio devices. No complex setup required.
- **Flexible Configuration & Long Battery Life:** Supports single or dual-person use. Microphones are powered by 2 AA batteries (not included) for extended operation. Features real-time power display and channel adjustment buttons.

DYNAMIC MICROPHONE

Effectively restores beautiful vocals

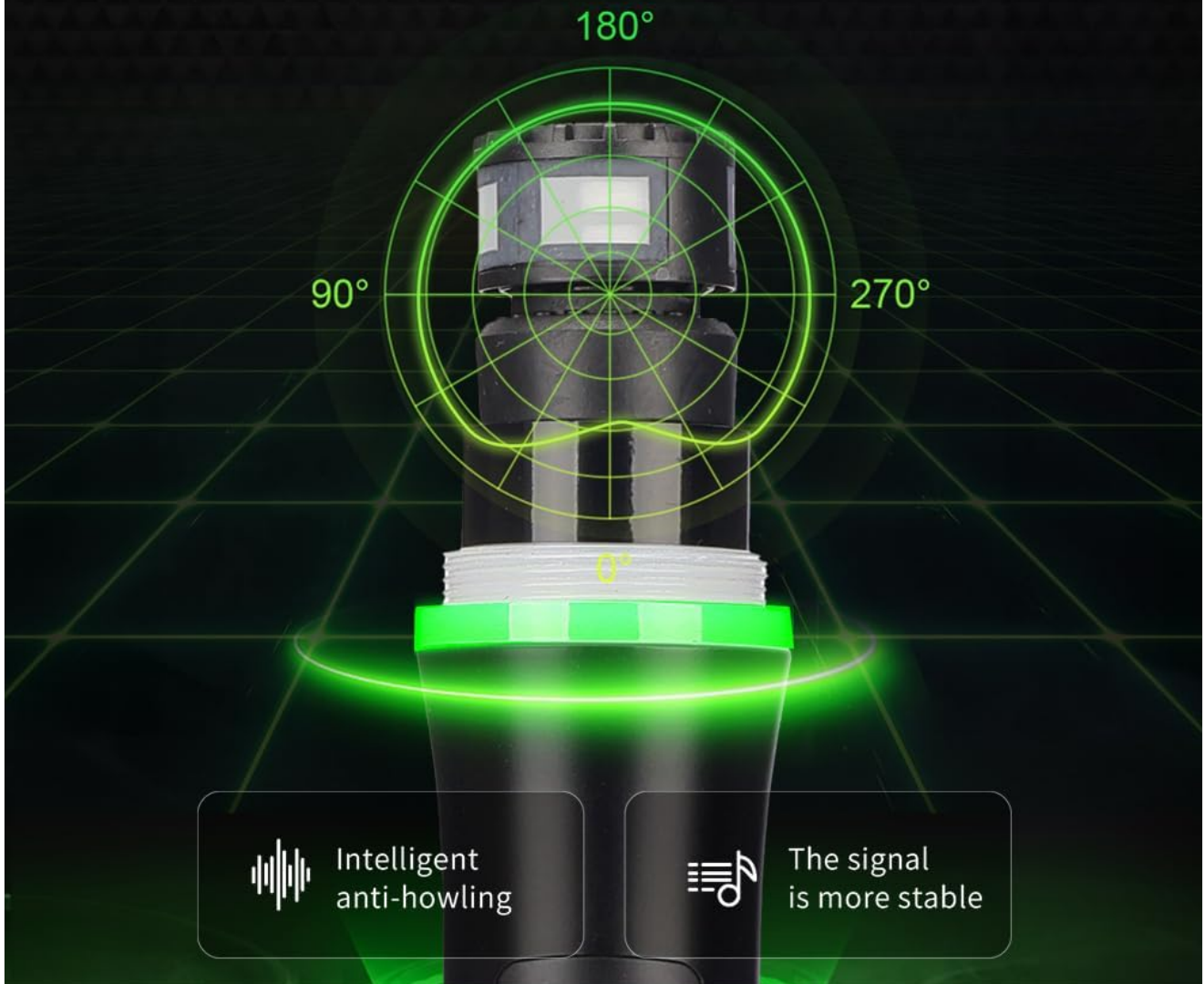


Image showing the dynamic microphone head with a 180-degree pickup pattern, highlighting intelligent anti-howling and stable signal features.

SETUP INSTRUCTIONS

1. **Charge the Receiver:** Connect the receiver to a USB power source using the provided USB charging cable. Ensure it is fully charged before first use.
2. **Install Batteries in Microphones:** Open the battery compartment of each handheld microphone and insert 2 AA batteries (not included), ensuring correct polarity.
3. **Connect the Receiver:** Insert the 6.35mm plug of the receiver directly into the microphone input jack of your audio device (speaker, amplifier, mixer, computer). If your device has a 3.5mm input, use the included 3.5mm adapter.
4. **Power On:** Turn on the receiver by sliding its 'ON/OFF' switch. Then, turn on each microphone by pressing and holding its power button.
5. **Channel Synchronization:** The system should automatically synchronize. If interference occurs or you need to change channels, use the 'CH+' or 'CH-' buttons on the microphone to select a different frequency. The receiver will automatically adjust.

Product Parameters

BODYPACK TRANSMITTER

T.H.D.(Overall): <0.1%
Signal to Noise: >=97 dB(A)
RF frequency range: 560.5-574.5MHz
Bandwidth: 150kHz
Dynamic Range: >97 dB(A)
Audio Delay: 0ms
Audio Encoder: PT Live
Frequency Response: 20-20,000Hz
Working Distance: 50M

RECEIVER

Frequency Range: 560.5-574.5MHz
Audio Output: +10 dBu
Power Supply: 3.7V lithium battery
Power Consumed: <150mA
Receive Sensitivity: <-100dBm

HANDHELD MICROPHONE

Frequency Range: 560.5-574.5MHz
RF Power: 30mW
Battery: 1.5V*2AA
Frequency Response: 50-20,000 Hz
Input Sensitivity: 2.1mV/Pa
Power Consumed: <150mA



Image demonstrating the versatility of the receiver, showing its compatibility with various audio devices such as audio equipment, mixing consoles, desktop computers, and power amplifiers.

OPERATING INSTRUCTIONS

- Power On/Off:** Press and hold the power button on the microphone to turn it on or off. Use the slide switch on the receiver for its power.
- Volume Control:** Adjust the volume directly on the microphone using the integrated power/volume control button. Further volume adjustments can be made on your connected audio device.
- Channel Adjustment:** If you experience interference or need to operate multiple systems, press the 'CH+' or 'CH-' buttons on the microphone to cycle through the 15 available channels. The receiver will automatically match the selected channel.
- Battery Indicator:** The microphone features a real-time battery indicator display. Monitor this to ensure sufficient power for your usage.

Multi-Device Usage

The receiver is suitable for a variety of products.



Audio equipment

Mixing console

Desktop computer

Power Amplifiers

Image providing a clear description of the buttons and ports on both the handheld microphone and the receiver, including the power/volume control, channel adjustment, charging port, and switches.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the microphone and receiver. Do not use liquid cleaners or solvents.
- **Battery Replacement:** Replace AA batteries in the microphones when the battery indicator shows low power. For the receiver, recharge it via the USB port.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Avoid dropping the microphone or exposing it to excessive shock, as this can damage internal components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound output	Microphone or receiver not powered on; low batteries; incorrect connection; audio device volume too low.	Ensure both microphone and receiver are powered on. Replace microphone batteries or charge receiver. Check all cable connections. Increase volume on the audio device.
Interference or static	Other wireless devices operating on the same frequency; too far from receiver; obstacles blocking signal.	Change the microphone channel using the 'CH+' or 'CH-' buttons. Reduce distance between microphone and receiver. Ensure a clear line of sight.
Low volume	Microphone volume setting too low; audio device input sensitivity.	Adjust the volume control on the microphone. Check and adjust input sensitivity or volume on your connected audio device.
Microphone not pairing	Receiver and microphone on different channels; power issue.	Ensure both devices are powered on. Try cycling through channels on the microphone to re-establish connection.

SPECIFICATIONS

Feature	Specification
Brand	LMBGM
Model Name	X2
Connectivity Technology	UHF
Connector Type	6.35 mm Jack (with 3.5mm adapter)
Special Feature	Volume Control
Compatible Devices	Audio Mixer, Speakers, Amplifiers, Computers
Polar Pattern	Hyper Cardioid
Impedance	10 Kiloohms
Microphone Form Factor	Microphone System
Power Source	Battery Powered (Microphones), USB Rechargeable (Receiver)
Number of Batteries (Microphone)	2 AA batteries required per microphone (not included)
Signal-to-Noise Ratio	97 dB
Number of Channels	15
Frequency Response	20.2 Hz (General range 20-20,000 Hz for handheld mic)
Item Weight	5.21 Kilograms (Total package weight)

Feature	Specification
Item Dimensions (Microphone)	2.17 x 2.17 x 10.43 inches (5.5 x 5.5 x 26.5 cm)
Item Dimensions (Receiver)	2.75 x 0.78 x 1.29 inches (7 x 2 x 3.3 cm)
Enclosure Material	Aluminum



Image detailing the technical specifications for the bodypack transmitter (if applicable), receiver, and handheld microphone, including frequency range, signal-to-noise ratio, power consumption, and battery information.

PRODUCT SIZE



Image illustrating the dimensions of the handheld microphone and the receiver in both centimeters and inches.

WARRANTY AND SUPPORT

This LMBGM X2 LED Mic Wireless Microphone System comes with a **1 Year Manufacturer Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or any questions regarding the operation of your device, please refer to the contact information provided with your purchase or visit the official LMBGM website for customer service details.