LEKATO MW-20

LEKATO MW-20 Wireless Microphone System User Manual

Model: MW-20

1. Introduction

The LEKATO MW-20 is a 2.4GHz wireless microphone system designed for professional audio applications. It provides high-fidelity, lossless audio transmission with 24-bit/48kHz quality, ensuring a stable and reliable wireless signal. This system is compatible with both dynamic and most condenser microphones, offering 48V phantom power. Its plug-and-play functionality and long battery life make it ideal for various settings, including live performances, church events, speeches, meetings, and home entertainment.

2. Product Features

- **2.4GHz Wireless System:** Delivers 24-bit/48kHz lossless audio quality for high-fidelity sound.
- **Wide Compatibility:** Features built-in 48V Phantom Power, supporting dynamic and most condenser microphones. Compatible with mixers, sound cards, PA systems, and any audio equipment with XLR inputs.
- **Multi-Channel Support:** Supports up to 4 sets of MW-20 transmitter and receiver units simultaneously for seamless multi-microphone setups.
- **Long Working Time:** Built-in rechargeable battery provides up to 8 hours of use on a 2-hour quick charge. Includes real-time power monitoring.
- **Extended Wireless Range:** Offers a stable transmission distance of up to 100 feet (30 meters) with strong anti-interference capabilities.

3. Package Contents

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

- 1 x LEKATO MW-20 Transmitter
- 1 x LEKATO MW-20 Receiver
- 1 x Dual Type-C Charging Cable
- 1 x User Manual

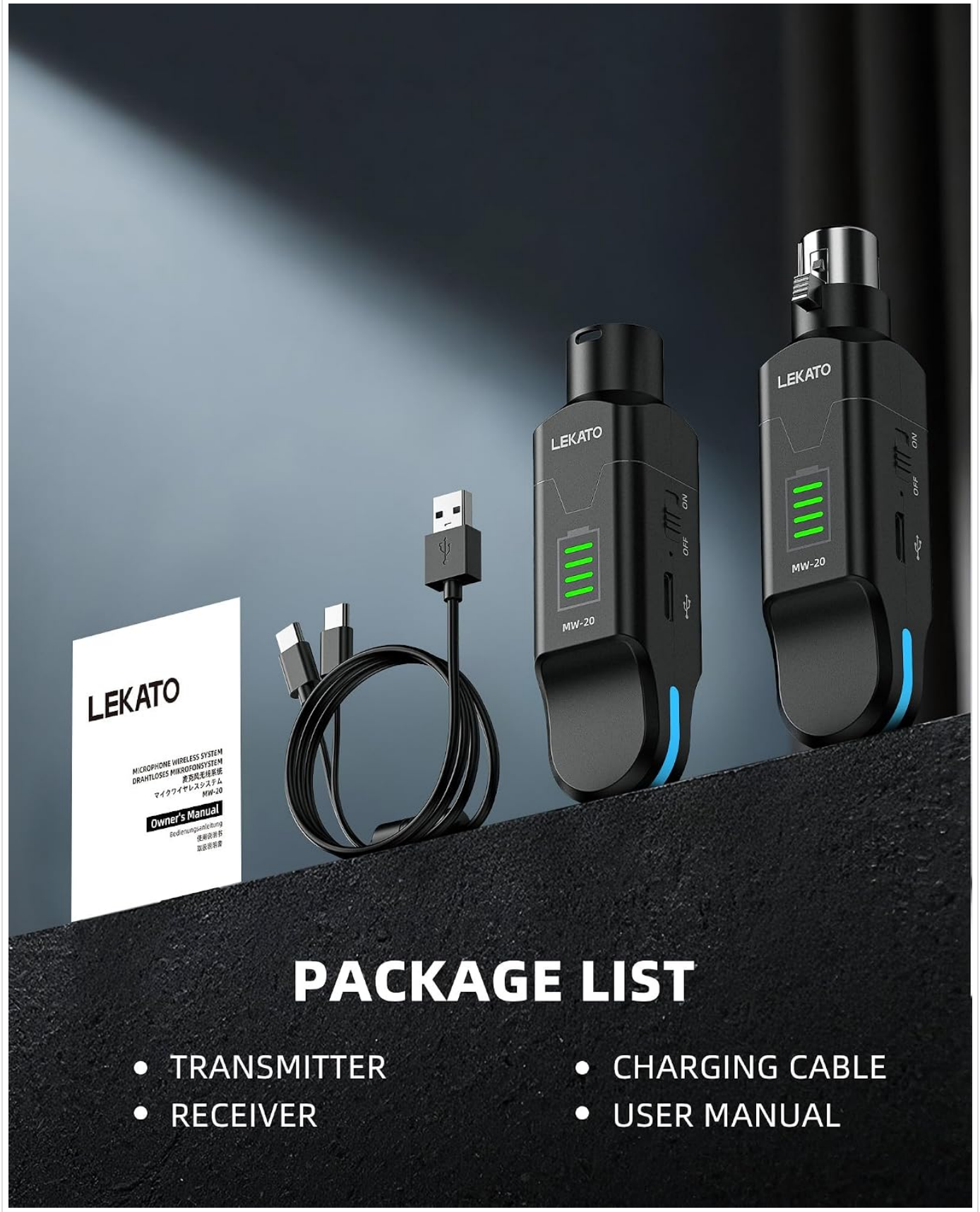


Image: Contents of the LEKATO MW-20 Wireless Microphone System package, including the transmitter, receiver, charging cable, and user manual.

4. Setup Guide

4.1 Charging the Devices

Before first use, fully charge both the transmitter and receiver units. The devices feature a built-in rechargeable battery and support quick charging.

- Connect the included dual Type-C charging cable to both the transmitter and receiver.
- Plug the USB-A end of the cable into a standard USB power adapter (not included).
- A full charge takes approximately 2 hours and provides up to 8 hours of working time.
- The battery indicator lights on the units will show the charging status and remaining power.



Image: The LEKATO MW-20 transmitter and receiver connected to a charging cable, illustrating the charging process and battery level indicators.

4.2 Initial Pairing and Connection

The MW-20 system is designed for automatic pairing, offering a true plug-and-play experience.

- **Power On:** Slide the ON/OFF switch on both the transmitter and receiver to the 'ON' position.
- **Automatic Pairing:** The units will automatically search for and pair with each other upon power-on. The indicator lights will confirm a successful connection.
- **Connect Transmitter:** Plug the transmitter unit directly into your microphone's XLR output.
- **Connect Receiver:** Plug the receiver unit into the XLR input of your audio mixer, sound card, PA system, or other audio equipment.



Image: A LEKATO MW-20 transmitter connected to a microphone and a receiver connected to an audio mixer, demonstrating the automatic pairing and plug-and-play setup.

4.3 Microphone Compatibility (48V Phantom Power)

The MW-20 transmitter provides 48V phantom power, making it compatible with both dynamic microphones and most condenser microphones that require 48V phantom power. It is important to note that it may not be universally compatible with all condenser microphones that require 24V or lower phantom power.



Image: The LEKATO MW-20 transmitter connected to a condenser microphone, illustrating its capability to provide 48V phantom power for compatible microphones.

5. Operating Instructions

5.1 Basic Operation

Once the transmitter and receiver are paired and connected to your microphone and audio system, you can begin using the wireless system. Ensure your audio equipment (mixer, sound card, etc.) is properly configured for the input from the MW-20 receiver.

5.2 Using Multiple Systems Simultaneously

The LEKATO MW-20 supports up to 4 sets of units working simultaneously without interference. This allows for multi-microphone setups for bands, panels, or multiple speakers.

- For each additional microphone, use a separate MW-20 transmitter and receiver pair.
- Ensure each receiver is connected to a distinct input channel on your audio mixer or sound system.
- The systems will automatically select available channels to avoid interference.



Image: Four LEKATO MW-20 wireless microphone systems connected to a single mixer, illustrating their capability to operate simultaneously for multiple performers.

5.3 Wireless Range and Performance

The system provides a stable connection distance of up to 100 feet (30 meters). For optimal performance, ensure a clear line of sight between the transmitter and receiver and minimize potential sources of 2.4GHz interference (e.g., Wi-Fi routers, other wireless devices).

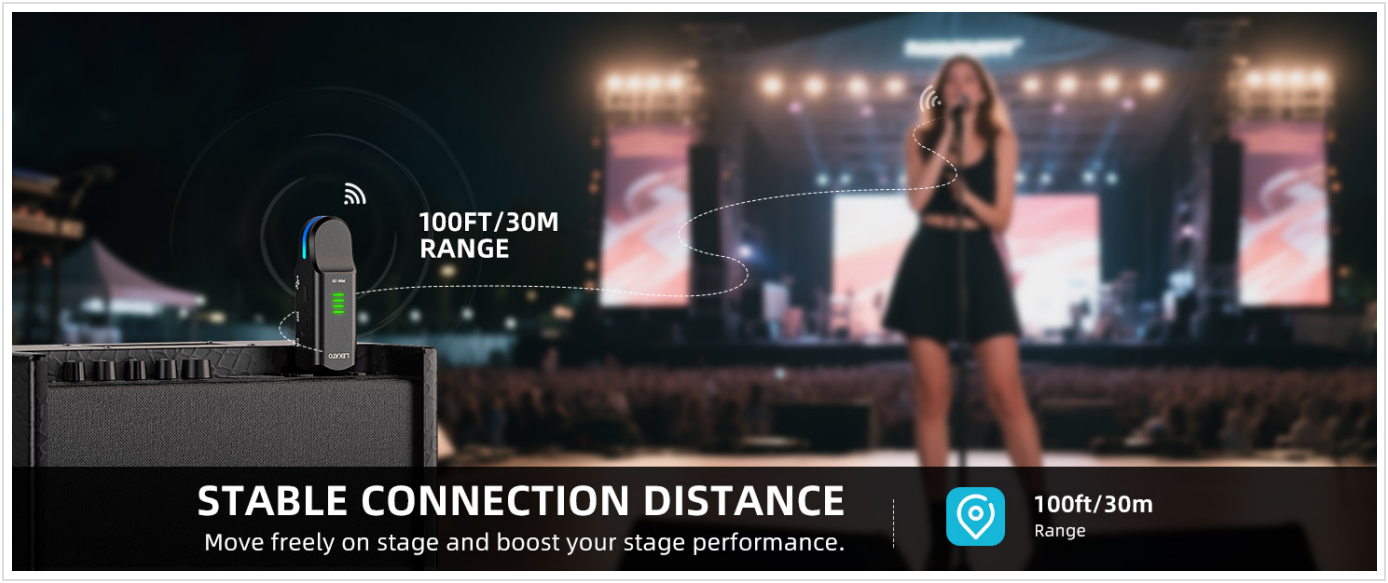


Image: A visual representation of the LEKATO MW-20's stable connection distance, indicating a range of 100 feet (30 meters) for wireless operation.

6. Maintenance

Proper care and maintenance will extend the life of your LEKATO MW-20 wireless microphone system.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the units. Do not use liquid cleaners or solvents.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For long-term storage, it is recommended to charge the batteries to about 50% every few months to maintain battery health. Avoid fully discharging the batteries frequently.
- **Handling:** Handle the units with care. Avoid dropping or subjecting them to strong impacts.

7. Troubleshooting

If you encounter issues with your LEKATO MW-20 system, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound output	Units not powered on Units not paired Low battery Incorrect connection Microphone issue	Ensure both transmitter and receiver are ON. Power cycle both units to re-initiate pairing. Charge both units fully. Verify XLR connections are secure and correct. Test microphone with a wired connection if possible.
Intermittent signal or static	Out of range Interference Obstructions	Move closer to the receiver. Move away from other 2.4GHz devices (Wi-Fi routers, cordless phones). Ensure clear line of sight between transmitter and receiver.

Problem	Possible Cause	Solution
Short battery life	Incomplete charging Aging battery	Ensure units are charged for the full 2 hours. Batteries have a finite lifespan; consider replacement if significantly degraded (contact support).
Condenser mic not working	Mic requires different phantom power Mic not compatible	The MW-20 provides 48V phantom power. Check your condenser mic's specifications. If it requires less than 48V, it may not be compatible.

8. Specifications

Feature	Specification
Wireless Frequency Band	2.4GHz
Audio Quality	24-bit/48kHz Lossless
Phantom Power	48V (built-in)
Compatibility	Dynamic microphones, most 48V condenser microphones, Mixers, Sound Cards, PA Systems, XLR-input audio equipment
Number of Channels	Supports up to 4 sets simultaneously
Working Time	Up to 8 hours (after full charge)
Charging Time	Approx. 2 hours
Wireless Range	Up to 100 feet (30 meters)
Item Weight	7.8 ounces
Package Dimensions	6.22 x 5.28 x 1.34 inches
Battery Type	Lithium Polymer (2 included)
Color	Black

9. Warranty and Support

For warranty information and technical support, please refer to the official LEKATO website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.
For further assistance, you may visit the LEKATO store on Amazon:LEKATO Store

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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.

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