LEKATO M0-2046N-000

LEKATO MS-1 Wireless In-Ear Monitor System User Manual

Model: MS-1 (M0-2046N-000)

1. Introduction

Thank you for choosing the LEKATO MS-1 Wireless In-Ear Monitor System. This system is designed to provide musicians and performers with a reliable, high-quality audio monitoring solution for various applications, including studio recording, band rehearsals, and live stage performances. Featuring 2.4 GHz wireless transmission, automatic pairing, low latency, and a compact design, the MS-1 ensures a clear and consistent monitoring experience.

This manual provides detailed instructions on how to set up, operate, and maintain your MS-1 system. Please read it thoroughly before use to ensure optimal performance and longevity of your device.

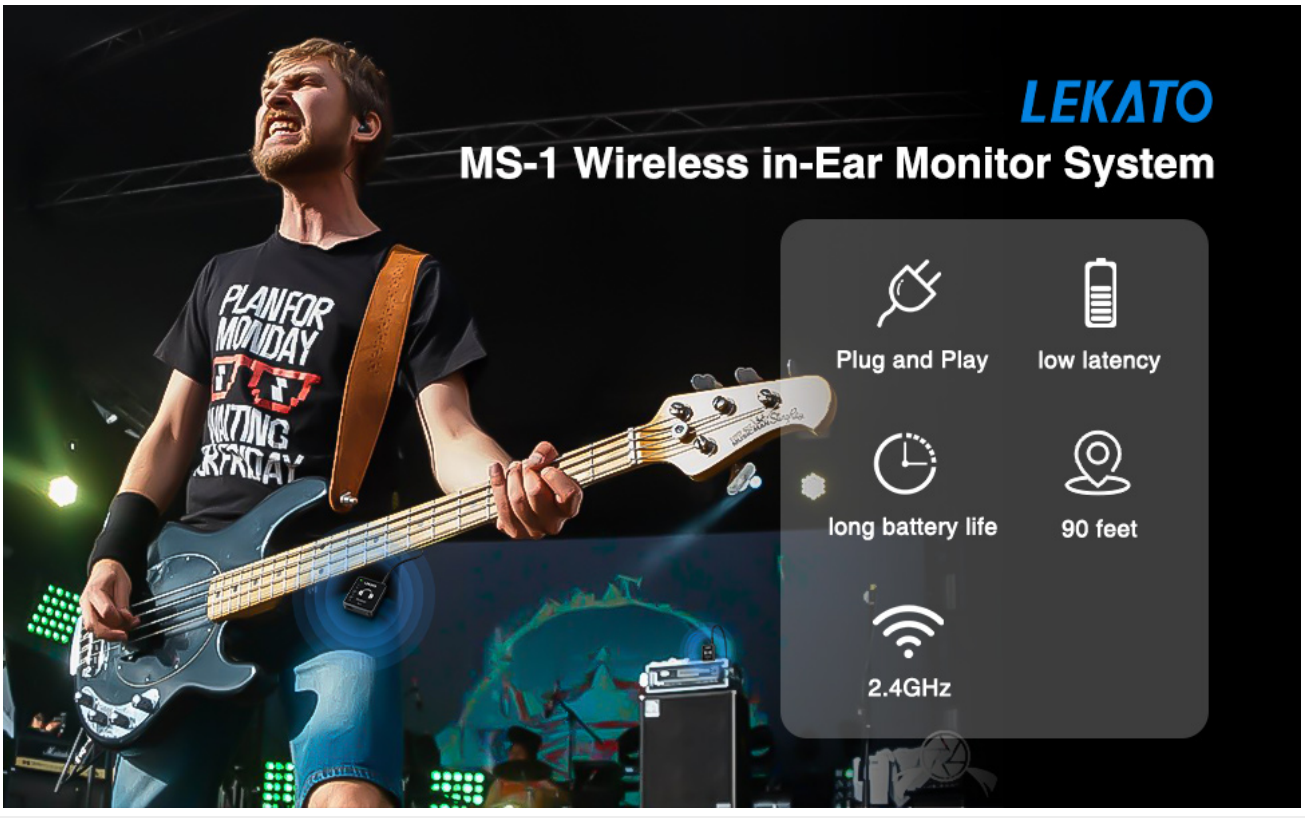


Image 1.1: The LEKATO MS-1 Wireless In-Ear Monitor System highlighting its features: Plug and Play, Low Latency, Long Battery

Life, 90 feet range, and 2.4GHz wireless technology.

2. Product Overview

2.1 What's Included

- 1 x MS-1 Wireless Transmitter (if purchased as a set)
- 1 x MS-1 Wireless Receiver
- 2 x 3.5mm Audio Cables
- 1 x USB Charging Cable
- 1 x 3.5mm to 6.5mm Adapter



Image 2.1: Contents of the LEKATO MS-1 package, including the receiver unit, various cables, and an adapter.

2.2 Component Identification

Familiarize yourself with the various parts of the Transmitter and Receiver units:



Image 2.2: Detailed diagrams illustrating the labeled components of both the MS-1 Transmitter and Receiver for easy identification.

Transmitter (TX)

1. **Power Switch:** ON/OFF control.
2. **Pair Button:** Used for automatic pairing with receivers.
3. **Charging Port:** USB-C port for charging.
4. **Audio Input:** 3.5mm jack for connecting to audio sources (e.g., mixer, instrument).
5. **Mono/Stereo Switch:** Toggles between mono and stereo input modes.
6. **Channel Indicator:** Displays the current wireless channel.
7. **Battery Indicator Light:** Shows battery status.

Receiver (RX)

1. **Power Switch:** ON/OFF control.
2. **Pair Button:** Used for automatic pairing with transmitters.
3. **Charging Port:** USB-C port for charging.
4. **Headphone/Speaker Output:** 3.5mm jack for connecting headphones or speakers.

5. **Mono/Stereo Switch:** Toggles between mono and stereo output modes.
6. **Channel Indicator:** Displays the current wireless channel.
7. **Battery Indicator Light:** Shows battery status.
8. **Volume Up/Down Buttons:** Adjusts the output volume.

3. Setup Guide

3.1 Charging the Units

Before first use, fully charge both the Transmitter and Receiver units. Each unit has a built-in rechargeable lithium battery providing up to 5 hours of operation on a full charge.

- Connect the supplied USB charging cable to the USB-C charging port on each unit.
- Connect the other end of the USB cable to a standard USB power adapter (not included) or a computer's USB port.
- The battery indicator light will show charging status (e.g., red while charging, green when fully charged).



Image 3.1: Both the Transmitter and Receiver units being charged via USB cables, indicating their rechargeable nature.

3.2 Automatic Pairing

The MS-1 system features automatic pairing for quick and easy setup. No manual channel selection is required.

1. Ensure both the Transmitter and Receiver are powered OFF.
2. Power ON both the Transmitter and Receiver units.
3. Simultaneously press and hold the **'Pair'** button on both the Transmitter and Receiver for a few seconds.
4. The indicator light will flash. Wait for the green indicator light on both units to become solid, indicating successful pairing.
5. The units are now paired and ready for use.



Image 3.2: A musician performing with the LEKATO MS-1 Receiver, demonstrating the ease of automatic pairing for immediate use.

3.3 Connecting to Audio Sources and Headphones

Follow these steps to connect your MS-1 system to your audio equipment:

1. **Transmitter Connection:** Use one of the supplied 3.5mm audio cables to connect the Transmitter's 3.5mm audio input to your audio source (e.g., mixer, audio interface, instrument with a 3.5mm output). If your source has a 6.5mm output, use the provided 3.5mm to 6.5mm adapter.
2. **Receiver Connection:** Connect your in-ear monitors or headphones (not included) to the Receiver's 3.5mm headphone/speaker output.

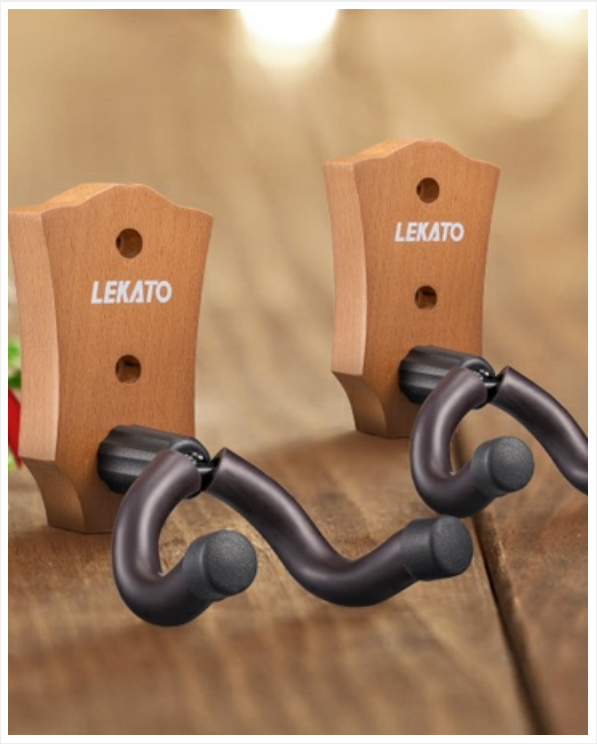


Image 3.3: A visual guide demonstrating the correct connections for the MS-1 system, from the transmitter to an audio mixer and the receiver to in-ear monitors.

4. Operating Instructions

4.1 Powering On/Off

To power on or off each unit, slide the **Power Switch** to the ON or OFF position respectively.

4.2 Adjusting Volume

On the Receiver unit, use the **Volume Up (+)** and **Volume Down (-)** buttons to adjust your monitoring level to a comfortable listening volume.

4.3 Mono/Stereo Switching

Both the Transmitter and Receiver units feature a Mono/Stereo switch. This allows you to select the desired audio input/output mode:

- **Mono Mode:** Combines left and right audio channels into a single signal, often used for vocal monitoring or when a stereo signal is not available.
- **Stereo Mode:** Preserves the left and right audio channels separately, providing a wider soundstage for instruments and full mixes.

Ensure both the Transmitter and Receiver are set to the same mode (Mono or Stereo) for consistent audio transmission.

4.4 One-to-Many Operation

The LEKATO MS-1 system supports connecting one Transmitter to multiple Receivers simultaneously. This is ideal for bands or groups where multiple members need to monitor the same audio mix.

- Pair the Transmitter with each Receiver individually using the automatic pairing process described in Section 3.2.
- Once all Receivers are paired, they will all receive the audio signal from the single Transmitter.

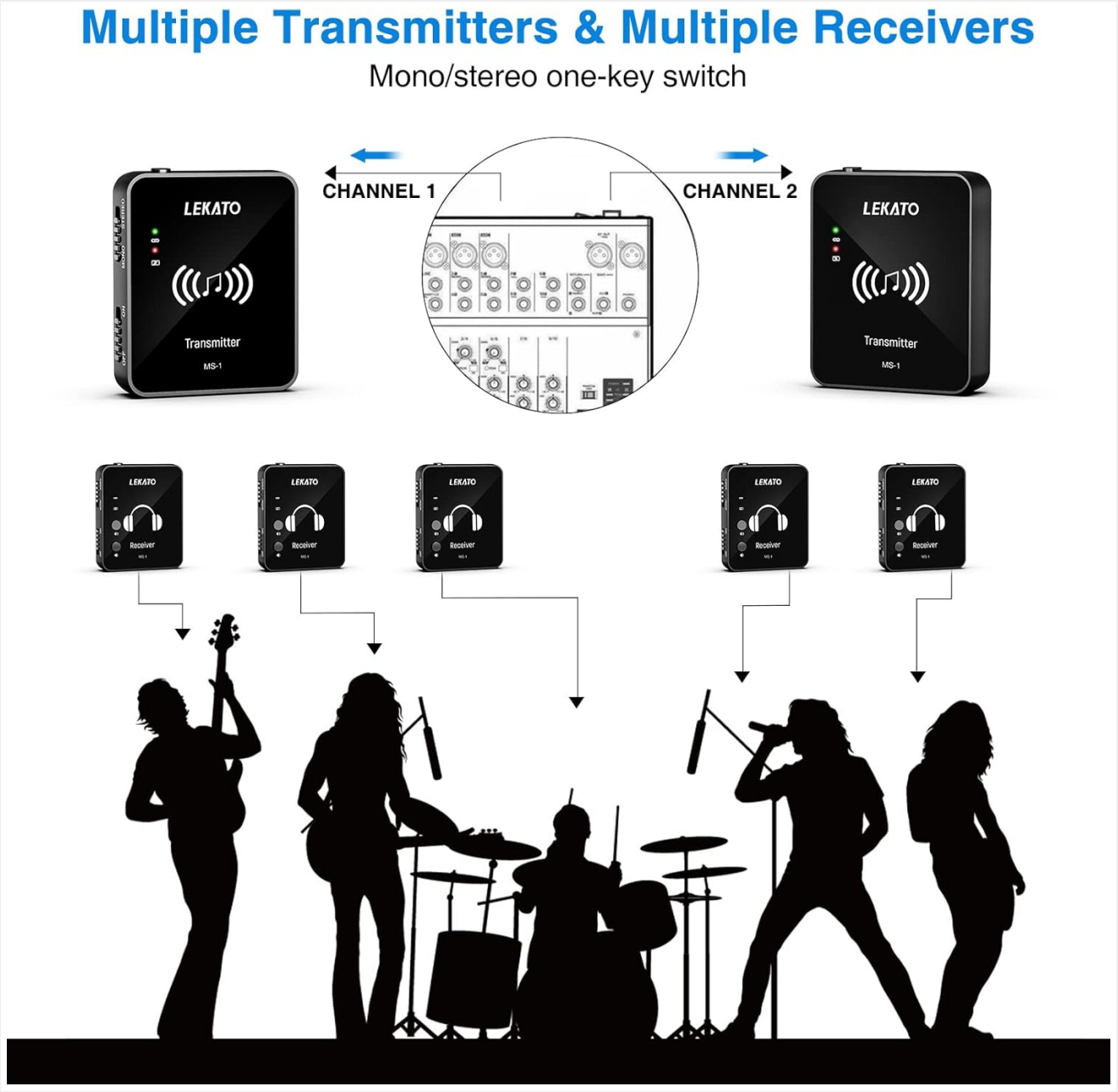


Image 4.1: An illustration showing how a single MS-1 Transmitter can send audio to multiple MS-1 Receivers, enabling a band to monitor the same mix.

4.5 Usage Scenarios

The MS-1 system is versatile and suitable for:

- **Live Performance:** Provides clear, personal monitoring on stage without the need for bulky floor monitors.
- **Band Rehearsal:** Allows each band member to hear themselves and the mix clearly, improving practice efficiency.
- **Recording Studio:** Offers isolated monitoring for vocalists and instrumentalists during tracking.



Image 4.2: A collage depicting the MS-1 system in use across different musical environments, including live performances, recording studios, and band rehearsals.

5. Maintenance

5.1 Cleaning

- Wipe the units with a soft, dry cloth.
- Do not use liquid cleaners or abrasive materials, as they may damage the finish or internal components.

5.2 Battery Care

- To prolong battery life, avoid fully discharging the units frequently.
- If storing the units for an extended period, charge them to approximately 50% every few months.
- Do not expose batteries to extreme temperatures.

5.3 Storage

- Store the MS-1 system in a cool, dry place away from direct sunlight and moisture.
- Keep out of reach of children.

6. Troubleshooting

If you encounter any issues with your LEKATO MS-1 system, please refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No sound from receiver	Unit not powered on Not paired Low battery Volume too low Incorrect cable connection Audio source issue	Ensure both units are ON Perform automatic pairing (Section 3.2) Charge units fully Increase receiver volume Check all audio cable connections Verify audio source is sending a signal
Intermittent sound or interference	Out of range Obstructions Strong 2.4GHz interference	Move closer to the transmitter (within 90 feet) Ensure clear line of sight between units Move away from Wi-Fi routers or other 2.4GHz devices
Units not pairing	Incorrect pairing procedure Low battery	Follow automatic pairing steps carefully (Section 3.2) Charge units fully before attempting to pair
Short battery life	Not fully charged Aging battery	Ensure units are fully charged before use Battery life naturally degrades over time; consider replacement if significantly reduced

7. Technical Specifications

- **Wireless Frequency:** 2.4 GHz
- **Transmission Distance:** Up to 27.4 meters (90 feet)
- **Latency:** < 12 ms
- **Audio Resolution:** 24-bit/48 kbps
- **Frequency Response:** 20 Hz - 20 kHz
- **Dynamic Range:** 105 dB
- **Battery Type:** Built-in Rechargeable Lithium-Polymer
- **Battery Life:** Up to 5 hours per charge
- **Connectivity:** Wireless (2.4GHz RF), 3.5mm Audio Jack
- **Material:** Metal
- **Color:** Black (RX)
- **Model Number:** M0-2046N-000



Image 7.1: Visual representation of the MS-1 system's core features and technical specifications, including frequency range, battery life, effective distance, dynamic ambience, and latency.

8. Warranty and Support

LEKATO products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official LEKATO website. Please retain your proof of purchase for any warranty claims.