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**LEKATO MS-1**

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

Model: MS-1

## 1. Introduction

Thank you for choosing the LEKATO MS-1 Wireless In-Ear Monitor System. This system provides a reliable and high-quality audio monitoring solution for musicians, performers, and audio engineers. Utilizing 2.4GHz wireless technology, it offers clear, low-latency audio transmission for various applications, including studio recording, band rehearsals, and small live gigs. This manual will guide you through the setup, operation, and maintenance of your MS-1 system to ensure optimal performance.




Image 1.1: The LEKATO MS-1 Wireless In-Ear Monitor System, showing both the transmitter and receiver units.

# 2. Product Overview

## 2.1 Package Contents

Before you begin, please ensure all items are present in your package:

- LEKATO MS-1 Transmitter Unit
- LEKATO MS-1 Receiver Unit
- USB Charging Cables (x2)
- 3.5mm to 6.35mm Audio Adapter
- 3.5mm Audio Cable

- User Manual (this document)




Image 2.1: All components included with the LEKATO MS-1 system, including the transmitter, receiver, charging cables, and audio adapters.

## 2.2 Component Identification

Familiarize yourself with the various parts and controls of the transmitter and receiver units:




Image 2.2: Detailed diagram illustrating the labeled parts and controls of both the LEKATO MS-1 transmitter and receiver units.

## Transmitter (TX)

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

## Receiver (RX)

1. **Power Switch:** ON/OFF control.
2. **Pair Button:** Used for pairing with transmitters.
3. **Charging Port:** USB port for charging the internal battery.
4. **Headphone/Speaker Output:** 3.5mm jack for connecting in-ear monitors or headphones.

5. **Mono/Stereo Switch:** Toggles between mono and stereo output modes.
6. **Channel Indicator:** Displays the current operating channel.
7. **Battery Indicator Light:** Shows battery status.

# 3. Setup Instructions

## 3.1 Charging the Units

Before first use, fully charge both the transmitter and receiver units. Connect the provided USB charging cables to the charging ports on each unit and plug them into a USB power adapter (not included) or a computer USB port. The battery indicator light will show charging status and turn solid when fully charged. A full charge provides approximately 5 hours of operation.

## 3.2 Initial Connection

1. Connect your audio source (e.g., mixer, instrument, phone) to the**Audio Input** (3.5mm jack) on the transmitter unit using the appropriate audio cable. Use the 3.5mm to 6.35mm adapter if your source requires a 6.35mm connection.
2. Connect your in-ear monitors or headphones to the**Headphone/Speaker Output** (3.5mm jack) on the receiver unit.
3. Ensure both the transmitter and receiver units are powered off before proceeding to pairing.




Image 3.1: The LEKATO MS-1 system set up with the transmitter connected to an audio source and the receiver connected to in-ear monitors.

# 4. Operating Instructions

## 4.1 Automatic Pairing

The MS-1 system features automatic pairing for quick and easy setup:

1. Turn on both the transmitter and receiver units using their respective power switches.
2. Simultaneously press and hold the **PAIR** buttons on both the transmitter and receiver.
3. Observe the green light on both units. It will flash during the pairing process.
4. Release the buttons once the green light stops flashing and remains solid. This indicates successful pairing.
5. The system is now ready for use.




Image 4.1: A musician using the LEKATO MS-1 system, illustrating the automatic pairing process by holding down the 'PAIR' buttons on both units.

## 4.2 Stereo/Mono Transmission

The MS-1 system supports both stereo and mono audio transmission. Use the**Mono/Stereo Switch** on both the transmitter and receiver to select the desired mode. For true stereo audio, ensure your audio source is stereo and use a stereo audio cable. Both units must be set to the same mode (Stereo or Mono) for correct audio reproduction.

## 4.3 Using Multiple Receivers

The LEKATO MS-1 system allows one transmitter to connect to multiple receivers simultaneously. There is no theoretical limit to the number of receivers that can be paired to a single transmitter. This feature is ideal for band rehearsals or small stage gigs where multiple musicians require individual monitoring.

1. Pair the first receiver to the transmitter as described in Section 4.1.
2. To add additional receivers, simply turn on each new receiver and repeat the pairing process (press and hold the **PAIR** button on the transmitter and the new receiver simultaneously).
3. Each receiver will automatically connect to the transmitter once paired.

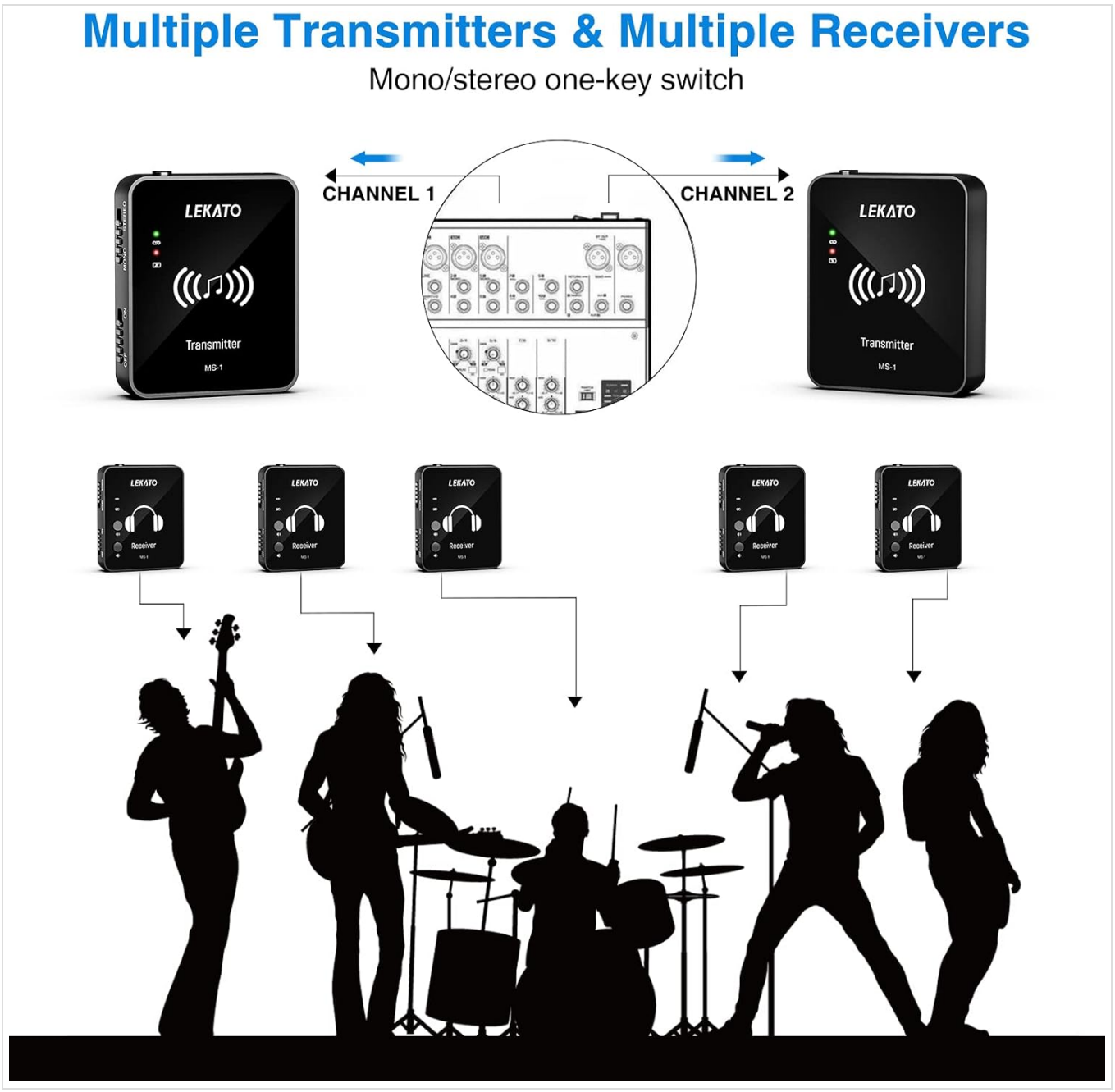



Image 4.2: A diagram illustrating how multiple LEKATO MS-1 receivers can connect to a single transmitter, enabling individual monitoring for several musicians.

### 4.4 Simultaneous Operation of Multiple Sets

Up to 6 sets of LEKATO MS-1 systems (each set consisting of one transmitter and one or more receivers) can operate simultaneously in the same environment without interference. Each transmitter will automatically select an available channel. Ensure sufficient distance between active transmitters to prevent potential signal overlap, especially in crowded 2.4GHz environments.

## 5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the units. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Battery Care:** To prolong battery life, avoid fully discharging the units frequently. Recharge them regularly, even if not in constant use.
- **Avoid Moisture:** Do not expose the units to water or excessive moisture.

## 6. Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| No sound or intermittent audio. | Units not paired; low battery; incorrect cable connection; incorrect Mono/Stereo setting; interference. | Ensure units are paired (solid green light). Charge both units. Check all audio cable connections. Verify Mono/Stereo settings match on TX and RX. Move away from other 2.4GHz devices. |
| Cannot pair units. | Pairing buttons not held long enough; units too far apart; interference. | Ensure both units are powered on. Press and hold PAIR buttons simultaneously until green light is solid. Bring units closer together during pairing. |
| Poor sound quality (noise, distortion). | Weak signal; interference; audio source issue; incorrect Mono/Stereo setting. | Reduce distance between TX and RX. Avoid obstacles. Check audio source for issues. Ensure Mono/Stereo settings are correct. |
| Short battery life. | Battery degradation; incomplete charging. | Ensure units are fully charged. Avoid extreme temperatures during use and storage. |

## 7. Specifications

- **Model Name:** MS-1
- **Connectivity Technology:** Wireless (2.4GHz)
- **Frequency Response:** 20Hz-20KHz
- **Dynamic Range:** 105 dB
- **Latency:** <12ms
- **Resolution:** 24-bit/48kbps
- **Effective Distance:** Approximately 90 feet (27 meters)
- **Battery Life:** >5 hours (rechargeable)
- **Compatible Devices:** Transmitters, Receivers
- **Color:** Black
- **Form Factor:** In Ear (for receiver output)

## 8. Warranty and Support

LEKATO products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official LEKATO website. Please retain your proof of purchase for any warranty claims.
For further assistance, you may contact LEKATO customer support through their official channels.

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