LEKATO JW-06

LEKATO JW-06 Wireless Guitar System User Manual

High-Fidelity 5.8GHz Audio System for Electric Guitar & Bass

Introduction

Thank you for choosing the LEKATO JW-06 Wireless Guitar System. This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your new wireless audio system. Designed for electric guitars, basses, and other electronic instruments, the JW-06 offers high-fidelity sound transmission with minimal latency, ensuring a seamless playing experience.
Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

Package Contents

Verify that all items are present in the package:

- 1 x Transmitter
- 1 x Receiver
- 1 x Charging Box (5000mAh)
- 1 x Type-C Charging Cable
- 1 x User Manual (this document)





Image: Contents of the LEKATO JW-06 Wireless Guitar System package, including transmitter, receiver, charging box, and cables.

Setup Guide

1. Initial Charging

Before first use, ensure the charging box and both the transmitter and receiver units are fully charged.

- Connect the Type-C charging cable to the charging box's input port (5V/2A charger recommended).
- Place the transmitter and receiver into their respective slots in the charging box. The indicator lights on the units and the charging box will show charging status.
- A full charge typically takes 1.5-2 hours for the units and provides up to 5 hours of continuous use per unit. The 5000mAh charging box can recharge the units multiple times.





Image: The LEKATO JW-06 charging box with the transmitter and receiver units inserted, showing charging indicator lights.



Image: Close-up of the portable charging box, highlighting the Type-C input port for charging the box itself.

2. Pairing the Units

The JW-06 system features an auto-matching system for easy pairing.

1. Turn on both the transmitter and the receiver units by pressing and holding their respective power buttons until the indicator light illuminates.
2. Press the pairing button on the receiver unit once.
3. Then, press and hold the pairing button on the transmitter unit for more than 2 seconds.
4. The indicator lights on both units will turn solid blue, indicating successful pairing.



Image: Hands demonstrating how to press the buttons on the transmitter and receiver for pairing and channel switching.

Note: The system supports 4 channels. If interference occurs, click the button on the transmitter once to switch to another channel. The receiver will automatically follow.

3. Connecting to Instruments and Amplifiers

The units are designed for plug-and-play operation.

- Plug the transmitter unit into the output jack of your instrument (e.g., electric guitar, bass, keyboard). The plug rotates 280 degrees for compatibility with various jack positions.
- Plug the receiver unit into the input jack of your amplifier, pedalboard, or audio interface.



Image: A LEKATO JW-06 transmitter plugged into an electric guitar and the receiver plugged into a guitar amplifier, illustrating the plug-and-play setup.



Image: A LEKATO JW-06 transmitter plugged into an electric bass, emphasizing high-quality signal acquisition.

Operating Instructions

1. Power On/Off

Press and hold the power button on each unit for approximately 2 seconds to turn them on or off. The blue indicator light will confirm the power status.

2. Channel Switching

The JW-06 operates on the 5.8GHz frequency band and supports 4 channels to avoid interference. If you experience signal drops or noise:

- Briefly press the pairing button on the transmitter unit. This will cycle through the available channels.

- The receiver will automatically detect and switch to the same channel as the transmitter.



Image: Diagram illustrating the 5.8GHz wireless audio system's features: 6ms low delay, 20m transmission distance, 48K/24bit audio resolution, and 10Hz-22KHz frequency response.

3. Signal Transmission

The system provides clear signal transmission with low latency (less than 6ms) and an effective range of approximately 20 meters (65 feet). For optimal performance, ensure a clear line of sight between the transmitter and receiver, and minimize obstacles.



Image: A LEKATO JW-06 transmitter and receiver in use, showing a 20m range of connection between the guitar and amplifier.

Your browser does not support the video tag.

Video: Official product video demonstrating the LEKATO JW-06 Wireless Guitar System with Charging Box, showcasing its features and ease of use.

Your browser does not support the video tag.

Video: Official product video titled "JW 06 Wireless Guitar Transmitter Receiver," providing a detailed look at the units and their functionality.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the units. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the system in a cool, dry place when not in use. Ensure units are fully charged before long-term

storage to preserve battery life.

- **Battery Care:** Recharge the units regularly, even if not in frequent use, to maintain battery health. Avoid fully discharging the batteries repeatedly.
- **Charging Box Output:** The charging box can also be used as a power bank (5V/2A output) to charge other devices like phones or tablets.

Troubleshooting

Problem	Possible Cause	Solution
No sound or intermittent signal	Units not paired. Low battery on transmitter/receiver. Interference from other 5.8GHz devices (e.g., Wi-Fi routers). Units out of range or obstructed.	Re-pair the units as per "Pairing the Units" section. Charge both units fully. Change the channel on the transmitter. Reduce distance between units and remove obstructions.
Noise or hum	Electrical interference. Active pickups causing signal issues.	Try a different power outlet or location. Ensure proper grounding of your amplifier. Some active pickups may introduce noise; ensure they are properly powered.
Units not charging	Charging cable or adapter faulty. Units not properly seated in charging box.	Try a different Type-C cable and 5V/2A power adapter. Ensure units are firmly placed in their slots.

Specifications

- **Brand:** LEKATO
- **Model:** JW-06
- **Wireless Technology:** 5.8GHz ISM Frequency Band
- **Latency:** Less than 6ms
- **Transmission Distance:** Approximately 20m (65 feet)
- **Audio Resolution:** 24-bit / 48KHz
- **Frequency Response:** 10Hz - 22KHz (+1dB/-1dB)
- **Dynamic Range:** 110dB
- **Battery Life (Units):** Up to 5 hours (per full charge)
- **Charging Box Capacity:** 5000mAh
- **Charging Input:** Type-C 5V 2A
- **Charging Box Output:** Type-C 5V 2A (for external devices)
- **Item Weight:** 12.3 ounces (approx. 350 grams)

- **Dimensions (Package):** 6.54 x 5.43 x 2.44 inches

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 on the product packaging or visit the official LEKATO website. Please retain your proof of purchase for warranty claims.

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Ask a question about this manual

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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.

Submit question

Answered questions about this manual

On the LEKATO JW-06 Wireless Guitar System, what does it mean when the receiver blinks purple every few seconds after being paired?

While the LEKATO JW-06 manual primarily describes a solid blue light as the indicator for a successful pairing, a purple blinking light typically indicates a specific status or error state not covered in the...

Read full answer

How can I prevent the LEKATO JW-06 transmitter from splitting at the seam when the angled input is knocked, and is this covered under warranty?

It sounds like you are experiencing a structural durability issue with the casing of the LEKATO JW-06 transmitter. While the manual highlights that the plug rotates 280 degrees to accommodate different guitar jack positions,...

Read full answer