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LEKATO WS-70

LEKATO WS-70 Mini Digital Wireless Guitar System Instruction Manual

Model: WS-70

1. INTRODUCTION AND OVERVIEW

Thank you for choosing the LEKATO WS-70 Mini Digital Wireless Guitar System. This system provides musicians with wireless freedom, delivering clear audio quality and stable signal transmission for electric instruments. Designed for ease of use, it features advanced UHF technology, multiple channels, and a long-lasting rechargeable battery, making it ideal for practice, performance, and recording.



Image 1: LEKATO WS-70 Wireless Guitar System (Blue/Purple)

2. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x LEKATO WS-70 Wireless Transmitter
- 1 x LEKATO WS-70 Wireless Receiver

- 1 x Dual-ended USB Charging Cable
- 1 x User Manual



Image 2: LEKATO WS-70 Wireless Guitar System (Pink)



Image 3: LEKATO WS-70 Wireless Guitar System (Green)

3. PRODUCT FEATURES

- **70 Channels:** Supports up to 70 sets of instruments working simultaneously. One transmitter can connect to up to four receivers.
- **Clear Audio Quality:** Advanced UHF technology ensures less than 3ms latency, no signal loss, and strong anti-interference ability. Effective range is approximately 100 feet.

- **Plug & Play:** Automatic pairing by long-pressing the signal key on both transmitter and receiver. No complex setup required.
- **Convenient Charging:** Built-in rechargeable lithium battery provides over 4.5 hours of working time on a full charge. Includes a dual-ended USB cable for simultaneous charging of both units.
- **Widespread Use:** Delivers a full 20 Hz-20 kHz frequency response. Compatible with most electric guitars, bass, electric-acoustic guitars, and other musical instruments with passive pickups.
- **220° Rotatable 1/4" Plug:** The plug can rotate 220 degrees, making it suitable for various instrument and amplifier input jack positions.

UHF Wireless Transmission Technology
Provides low interference, ultra-low latency, lossless and pristine sound.

20~20KHz	<0.05%	<3ms	>85dB
Frequency Response	Distortion	Latency	Signal-to-noise Ratio

Image 4: Details on UHF Wireless Transmission Technology, showing 130ft range, 20-20KHz frequency response, <0.05% distortion, <3ms latency, and >85dB Signal-to-Noise Ratio.

220° Rotatable 1/4" Plug

Suitable for most devices with differently positioned input jack.



Image 5: The 220° rotatable 1/4" plug, illustrating compatibility with various instruments and audio equipment like guitars, bass, violins, keyboards, amplifiers, audio mixers, effect pedals, and guitar loopers.

4. SETUP

1. **Charge Devices:** Before first use, fully charge both the transmitter and receiver using the provided dual-ended USB charging cable.
2. **Power On:** Long-press the signal key on both the transmitter and receiver to power them on. They will automatically pair.
3. **Connect Transmitter:** Plug the transmitter into your electric instrument's output jack. Adjust the 220° rotatable plug for optimal positioning.
4. **Connect Receiver:** Plug the receiver into your amplifier's input jack, an effect pedal, or an audio mixer.
5. **Test Connection:** Play your instrument to confirm the signal is being transmitted and received clearly.

Plug and Play

Automatic pairing at power on, free from cable restrictions.



Portable Design



Image 6: Illustration of the Plug and Play feature, showing the transmitter connected to a guitar and the receiver connected to an amplifier, highlighting the portable design.

5. OPERATING INSTRUCTIONS

- **Power On/Off:** Long-press the signal key on each unit to power on or off.
- **Automatic Pairing:** The units will automatically pair upon powering on. If pairing fails, power both units off and on again.
- **Multiple Units:** The 70-channel system allows multiple sets to operate simultaneously. Ensure each transmitter-receiver pair is on a unique channel if interference occurs (refer to manual for specific channel selection if needed, though automatic matching is primary).
- **One-to-Many Connection:** A single transmitter can broadcast to up to four receivers simultaneously.

1 Transmitter To 4 Receivers

Ideal for stages with multiple effects or amps.



Image 7: Setup demonstrating one transmitter connected to a guitar, broadcasting to four receivers connected to multiple amplifiers, ideal for stages with multiple effects or amps.

6. CHARGING

The LEKATO WS-70 system features built-in rechargeable lithium batteries. Use the provided dual-ended USB charging cable to charge both the transmitter and receiver simultaneously. A full charge provides over 4.5 hours of continuous working time.

6 Hours Playing Time

Long battery life with real-time power display.



6H Working Time



Battery Indicator



Dual USB Cable



Image 8: Illustration highlighting 6 hours of working time, battery indicator, and the convenience of the dual USB charging cable.

7. TROUBLESHOOTING

- **No Sound:** Ensure both transmitter and receiver are powered on and fully charged. Verify they are paired (indicated by solid lights). Check all cable connections to your instrument and amplifier.
- **Interference/Static:** The system operates on 70 channels. If you experience interference, try powering both units off and on again to allow them to select a different clear channel. Ensure you are within the 100-foot effective range.
- **Short Battery Life:** Ensure units are fully charged before use. Battery life can vary based on usage and environmental factors.
- **Compatibility Issue:** This system is NOT recommended for use with battery-powered guitars (active pickups) as it may cause compatibility issues or unwanted noise.

8. SPECIFICATIONS

Specification	Value
Model	WS-70
Channels	70
Latency	< 3ms
Effective Range	Approx. 100 feet
Frequency Response	20 Hz-20 kHz
Battery Life	Over 4.5 hours (circumstantial)
Plug Rotation	220°

9. SAFETY INFORMATION

Please read and follow these safety guidelines:

- Do not disassemble or attempt to repair the device.
- Keep away from water or high humidity.
- Use only the provided charging cable.
- Avoid extreme temperatures.
- Do NOT use with battery-powered guitars (active pickups) as it may cause signal issues.

10. OFFICIAL PRODUCT VIDEOS

WS70 Wireless Guitar System (Green)

Video 1: An official seller video demonstrating the LEKATO WS-70 Wireless Guitar System in green. This video showcases the product's features and functionality.

JW 06 Wireless Guitar Transmitter Receiver

Video 2: An official seller video demonstrating the JW 06 Wireless Guitar Transmitter Receiver. This video provides an overview of a similar wireless system's operation.

11. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your LEKATO WS-70 Mini Digital Wireless Guitar System, please refer to the contact details provided in the packaging or visit the official LEKATO website.