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MOOER AP05

MOOER Air P05 Wireless System User Manual

Model: AP05

1. Introduction

The MOOER Air P05 is a compact wireless system designed for instruments, providing high-quality audio transmission with minimal distortion and signal loss. Utilizing 2.4GHz ISM worldwide technology, this system offers a reliable and convenient solution for musicians seeking freedom from traditional cables during performances or practice sessions.

This manual provides detailed instructions for the setup, operation, and maintenance of your Air P05 Wireless System to ensure optimal performance and longevity.

2. Product Overview

2.1 Components

- **Air P05 Transmitter:** Connects to your instrument's output.
- **Air P05 Receiver:** Connects to your amplifier, pedalboard, or audio mixer's input.
- **USB Charging Cable:** For recharging both units.



Image 2.1: MOOER Air P05 Transmitter and Receiver units.



Image 2.2: What's in the box - Air P05 units, USB cable, and user manual.

2.2 Key Features

- **Wireless Technology:** 2.4GHz ISM band for global use.
- **Transmission Range:** Up to 20 meters (approximately 65 feet) effective range.
- **Channels:** 4 selectable channels for robust connectivity and interference avoidance.
- **Low Latency:** Approximately 7 milliseconds for responsive playing.
- **Audio Quality:** Uncompressed 16-bit depth and 48KHz sampling rate, high dynamic range (+1dB/-3dB), low harmonic distortion and signal loss (<0.05% (1KHz@-10dbFS)).
- **Battery Life:** Up to 8 hours of continuous use with a built-in 400mAh rechargeable battery.
- **Power Saving:** Automatic sleep mode conserves battery when not in use.
- **Indicators:** Colorful LED lights for channel status and battery level.

3. Setup Instructions

3.1 Initial Charging

Before first use, fully charge both the transmitter and receiver units. Connect the included USB charging cable to the charging port on each unit and to a standard USB power source (e.g., computer USB port, USB wall adapter, or portable power bank). The LED indicator will show charging status.

3.2 Connecting the Units

1. **Connect Transmitter:** Plug the Air P05 transmitter into the 1/4" output jack of your instrument (electric guitar, bass, acoustic guitar with pickup). Ensure it is securely seated.

2. **Connect Receiver:** Plug the Air P05 receiver into the 1/4" input jack of your amplifier, pedalboard, or audio mixer. Ensure it is securely seated.



Image 3.1: Transmitter connected to an electric guitar.



Image 3.2: Receiver connected to a pedalboard.



Image 3.3: Receiver connected to a guitar amplifier.

3.3 Channel Selection and Pairing

The Air P05 system features 4 selectable channels. To pair the transmitter and receiver:

1. Power on both the transmitter and receiver by pressing and holding their respective power buttons.
2. The units will automatically attempt to pair. If they do not pair or if you experience interference, you can manually select a channel.

3. Press the channel button on both the transmitter and receiver to cycle through the available channels (indicated by different LED colors). Ensure both units are set to the same channel for proper operation.
4. Once paired, the LED indicators will show a solid color, indicating a stable connection.

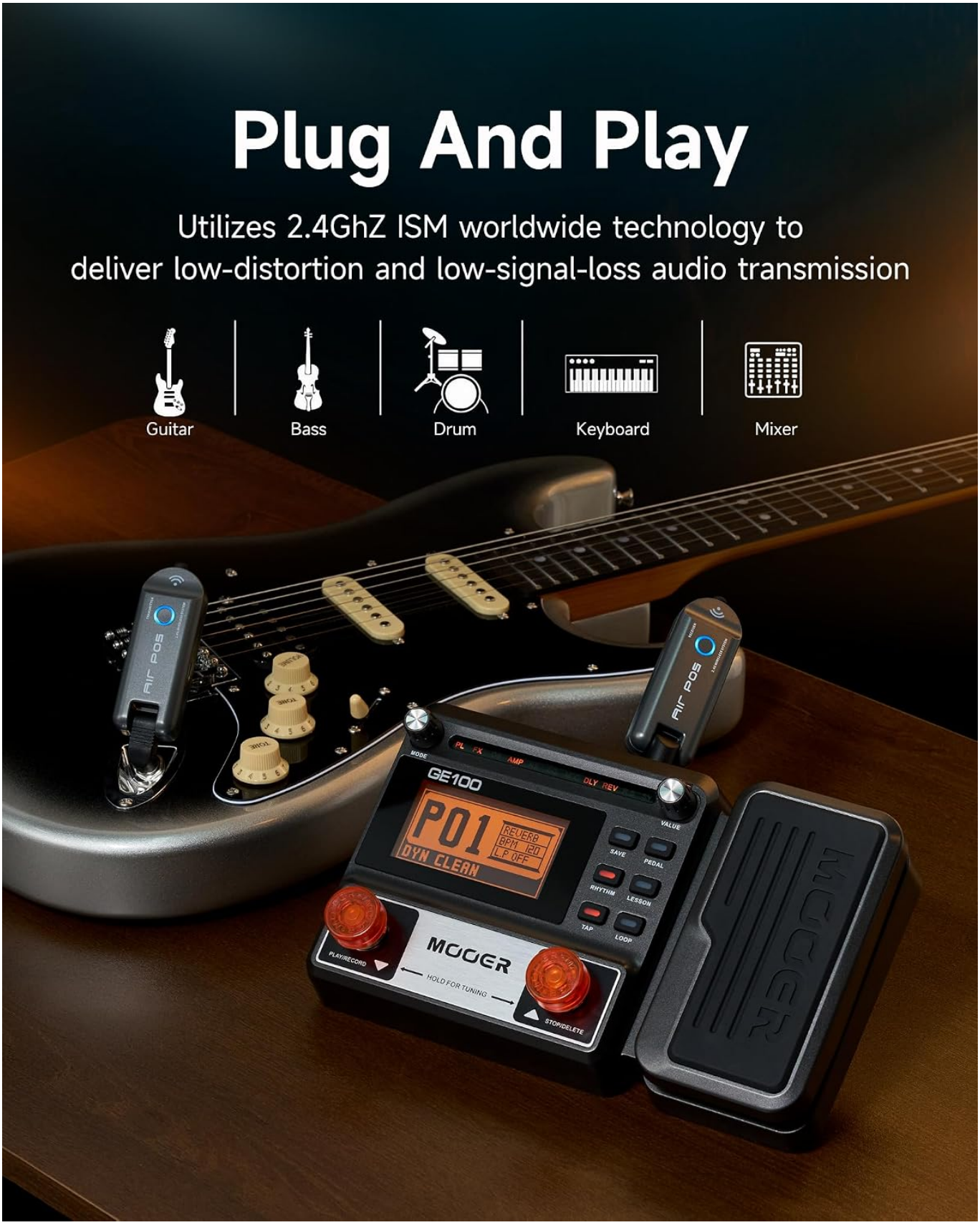


Image 3.4: Channel selection indicated by LED colors.

4. Operating Instructions

4.1 Power On/Off

Press and hold the power button on each unit for a few seconds to turn them on or off.

4.2 LED Indicators

- **Channel Indicator:** Displays the currently selected channel (e.g., blue, red, green, purple).
- **Battery Indicator:** The LED will change color or flash to indicate battery level. Refer to the specific color codes in the quick start guide for detailed battery status.

4.3 Automatic Sleep Mode

To conserve battery life, the Air P05 units will automatically enter sleep mode if no audio signal is detected for a period of time. To reactivate, simply play your instrument or press any button on the unit.

4.4 Optimal Performance

For best performance, ensure a clear line of sight between the transmitter and receiver, especially in environments with high wireless interference. While the system has a 20-meter range, obstructions can reduce effective distance. Always ensure both units are fully charged before extended use.

5. Maintenance

5.1 Cleaning

Wipe the units with a soft, dry cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or internal components.

5.2 Battery Care

- Avoid fully discharging the battery frequently.
- Recharge the units regularly, even if not in frequent use, to maintain battery health.
- Store the units in a cool, dry place when not in use.

5.3 Storage

When storing for extended periods, ensure the units are charged to approximately 50% to 80% capacity. Store them in a protective case or bag to prevent physical damage.

6. Troubleshooting

Problem	Possible Cause	Solution
No sound or intermittent signal	Units not paired; different channels selected; out of range; interference; low battery.	Ensure both units are on the same channel. Move closer to the receiver. Change to a different channel. Recharge units. Check for strong Wi-Fi or other 2.4GHz devices nearby.
Excessive noise or static	Wireless interference; faulty connection.	Try a different channel. Ensure units are securely plugged in. Move away from other electronic devices.
Short battery life	Battery not fully charged; aging battery.	Ensure units are fully charged before use. If battery life significantly degrades, contact customer support.

Problem	Possible Cause	Solution
Unit does not power on	Battery fully discharged; unit malfunction.	Charge the unit for at least 30 minutes. If it still does not power on, contact customer support.

7. Specifications

- **Model Number:** AP05
- **Item Weight:** 85 Grams (3 ounces)
- **Product Dimensions:** 4.92 x 0.79 x 1.18 inches
- **Wireless Frequency:** 2.4GHz ISM Band
- **Transmission Range:** Up to 20 meters
- **Latency:** Approximately 7 milliseconds
- **Sampling Rate:** 48KHz
- **Bit Depth:** 16-bit
- **Dynamic Range:** +1dB/-3dB
- **Harmonic Distortion & Signal Loss:** <0.05% (1KHz@-10dbFS)
- **Battery Type:** Lithium Ion (400mAh)
- **Battery Life:** Up to 8 hours
- **Power Source:** Battery Powered
- **Connector Type:** 6.35mm Jack
- **Material Type:** Plastic
- **Compatible Devices:** Guitar, Bass Guitar, Acoustic Guitar, Audio Mixer, Amplifier, Pedalboard
- **Color:** Grey

8. Warranty and Support

For warranty information and technical support, please refer to the official MOOER website or contact your authorized dealer. Optional protection plans may be available for extended coverage.

Each item has a unique code that can be verified for authenticity before shipping, ensuring you receive a genuine MOOER product.

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