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MOOER Free Step

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INTRODUCTION

The MOOER Free Step is a versatile guitar expression pedal designed to combine a vintage analog Wah Wah effect with a flexible volume control. This compact and robust pedal offers three distinct operational modes, providing guitarists with a powerful tool for dynamic sound shaping. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your Free Step pedal.

PRODUCT OVERVIEW

The MOOER Free Step pedal integrates essential guitar effects into a single, durable unit. Its design focuses on user-friendly functionality and reliable performance for both studio and live applications.



An angled perspective of the MOOER Free Step pedal, with an arrow pointing to the LED indicator light, which shows the pedal's operational status.

SETUP

Follow these steps to properly set up your MOOER Free Step pedal:

1. **Power Connection:** The Free Step pedal can be powered by a 9V DC power adapter (center negative, not included) or a 9V battery. Connect the power adapter to the DC IN jack or install a fresh 9V battery in the battery compartment (typically located on the underside of the pedal).
2. **Input Connection:** Connect your guitar or the output of a preceding effect pedal to the **INPUT** 1/4-inch audio jack on the Free Step pedal using a standard instrument cable.
3. **Output Connection:** Connect the **OUTPUT** 1/4-inch audio jack of the Free Step pedal to your amplifier's input or the input of the next effect pedal in your signal chain using a standard instrument cable.
4. **Initial Check:** Ensure all connections are secure. Turn on your amplifier and then the Free Step pedal. The LED indicator should illuminate, indicating the pedal is active.

OPERATING MODES

The MOOER Free Step offers three distinct operating modes, selectable via the mode switch on the side of the pedal:



This image displays the side of the MOOER Free Step pedal, highlighting the 'Q' and 'Min Vol' adjustment dials, along with the 'Wah/Vol/W&V' mode switch and 'Sensor/Switch' toggle.

1. Wah Mode

- **Activation:** In Wah mode, the effect can be activated in two ways:
 - **Foot Sensing Circuit:** Simply place your foot on the pedal to engage the wah effect. Removing your foot will bypass the effect.
 - **'Toe Down' Footswitch:** Press the pedal all the way down with your toe until you feel a click to engage or disengage the wah effect. Use the 'Sensor/Switch' toggle to select this method.
- **Q Range Dial:** Use the 'Q' dial on the side of the pedal to adjust the intensity and frequency sweep of the wah effect. Turning it clockwise increases the Q, resulting in a more pronounced and focused wah sound.

2. Volume Mode

- In Volume mode, the Free Step functions as a standard volume pedal, allowing for smooth and seamless control over your guitar's output level.
- **Min Vol Dial:** The 'Min Vol' dial on the side of the pedal sets the minimum volume level when the pedal is in the heel-down position. Adjust this to your desired lowest volume.

3. Wah & Volume (W&V) Mode

- In W&V mode, the pedal defaults to acting as a volume pedal.
- **Wah Activation:** To activate the wah effect within this mode, use the 'toe down' footswitch method (press the pedal all the way down until it clicks). The foot sensing circuit is inactive in W&V mode.
- **Min Vol Dial:** The 'Min Vol' dial also functions in this mode to set the minimum volume level.

CONTROLS AND FEATURES

Familiarize yourself with the various controls and features of your Free Step pedal:

- **Q Range Dial:** (Located on the side) Adjusts the frequency range and intensity of the wah effect.
- **Min Vol Dial:** (Located on the side) Sets the minimum volume level for Volume and W&V modes.
- **Mode Switch (Wah/Vol/W&V):** (Located on the side) Selects between Wah, Volume, and Wah & Volume operating modes.
- **Sensor/Switch Toggle:** (Located on the side) Selects the wah activation method in Wah mode (foot

sensing or 'toe down' footswitch). This control is inactive in W&V mode.

- **Input Jack:** (1/4-inch) Connects your instrument or preceding effects.
- **Output Jack:** (1/4-inch) Connects to your amplifier or subsequent effects.
- **DC IN Jack:** (9V DC, center negative) For connecting an external power supply.
- **LED Indicator:** Illuminates to indicate the pedal's active status.



A side view of the MOOER Free Step pedal, featuring the 1/4-inch audio input/output jack for connecting to your guitar and amplifier.



The top surface of the MOOER Free Step pedal, showing the textured footpad and the MOOER brand logo prominently displayed.

MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your Free Step pedal:

- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid using abrasive cleaners or solvents, which can damage the finish.
- **Battery Replacement:** If using battery power, replace the 9V battery when the LED indicator dims or the pedal's performance degrades. Access the battery compartment by unscrewing the bottom plate of the pedal.
- **Storage:** When not in use for extended periods, store the pedal in a dry, cool environment. Remove the battery if storing for a long time to prevent leakage.
- **Cable Care:** Always use high-quality instrument cables and ensure they are not kinked or damaged. Faulty cables can cause signal loss or noise.

TROUBLESHOOTING

If you encounter issues with your MOOER Free Step pedal, refer to the following troubleshooting guide:

- **No Sound:**

- Check all cable connections (guitar to input, output to amp).
- Ensure the power supply is connected correctly and functioning, or that the 9V battery is fresh.
- Verify that your amplifier is on and its volume is up.
- Test with different cables to rule out faulty connections.

- **Wah Effect Not Working:**

- Ensure the pedal is in 'Wah' or 'W&V' mode.
- In 'Wah' mode, check the 'Sensor/Switch' toggle. If set to 'Sensor', ensure your foot is fully on the pedal. If set to 'Switch', ensure you are pressing the pedal down to click.
- Adjust the 'Q' dial to see if the effect becomes audible.

- **Volume Control Not Working:**

- Ensure the pedal is in 'Vol' or 'W&V' mode.
- Check the 'Min Vol' dial setting; if it's set too high, the volume range will be limited.

- **Unwanted Noise or Hum:**

- Ensure you are using a regulated 9V DC power supply specifically designed for guitar pedals.
- Check for ground loops by trying the pedal in a different power outlet or with an isolated power supply.
- Inspect all cables for damage or poor shielding.

SPECIFICATIONS

Brand	MOOER
Model Name	Free Step
Item Weight	1.1 Pounds
Audio Output Effects	Wah, Volume
Controls Type	Pedal
Power Source	Battery Powered (9V DC adapter compatible)
Hardware Interface	1/4-inch Audio
Signal Format	Analog
Connector Type	1/4 inch audio jack
Manufacturer Part Number	Wah Series

WARRANTY AND SUPPORT

Warranty Information: The MOOER Free Step pedal comes with a 1-year warranty from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

Customer Support: For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please visit the official MOOER store or contact their customer service directly. You can find more information and support resources at the [MOOER Official Store on Amazon](#).