

MOOER Meta FX

MOOER Meta FX Multi-firmware Stereo Effects Pedal Instruction Manual

Model: Meta FX

1. INTRODUCTION

The MOOER Meta FX is a compact, multi-firmware stereo effects pedal designed for guitarists and musicians. It features an X Algorithm Platform, offering studio-grade ambience, delay, and modulation effects. The pedal supports three swappable firmware families: Reverb, Delay, and Modulation. Only one effect firmware can be active at a time, selected via a USB-C connection to the dedicated software. The Meta FX includes over 40 stereo algorithms, 100 preset locations, a 1.28-inch color touchscreen, tap tempo functionality, and silent headphone practice capabilities.

3 SWAPPABLE MODULES

100 PRESET LOCATIONS

Effortlessly store and recall your favorite tones

REVERB

14 reverb types, from traditional rooms to creative ambient textures

DELAY

14 high-quality stereo delay models with room for future expansion

MOD

15 modulation types, comprehensive stereo modulation module



Image: The MOOER Meta FX pedal, showcasing its unique colorful vortex design and compact form factor.

2. KEY FEATURES

- **X Algorithm Platform:** Utilizes a compact floor-format unit for studio-grade ambience, delay, and modulation.
- **Swappable Firmware:** Three distinct firmware families (Reverb, Delay, and Modulation) can be selected via USB-C connection to the dedicated software. Only one firmware can be active at a time.

- **40+ Stereo Algorithms:** Offers a wide range of high-quality stereo reverb, delay, and modulation algorithms, including Room, Hall, Plate, Spring, Shimmer, Digital Delay, Tape Delay, Chorus, Phaser, Flanger, Rotary, Harmony, and Lo-fi.
- **100 Preset Locations:** Allows users to save and recall up to 100 different sound settings with zero-latency switching.
- **Dual Stereo I/O:** Equipped with dual 6.35 mm TRS stereo input and output jacks for versatile connectivity with guitars, synthesizers, and effects loops.
- **Intuitive Control Panel:** Features a 1.28-inch circular color touchscreen with an RGB halo, dedicated knobs, buttons, and dual footswitches for clear parameter display and quick adjustments.
- **Live Performance Features:** Includes Infinite Sustain, Tap Tempo, Kill Dry, and Trail Sustain for enhanced performance flexibility.
- **Ongoing Firmware Updates:** Future updates will expand the available "X" series algorithms.



Image: Overview of the MOOER Meta FX's core capabilities, including its swappable modules and live performance features.

3. SETUP

3.1 Power Connection

Connect the included 9V DC power adapter to the 9V DC IN port on the pedal. Ensure the power supply provides at least 300mA and is isolated to minimize noise and crosstalk.

3.2 Audio Connections

- **Input:** Use two 1/4" TS jacks for stereo input. For mono input, connect to the left input jack (closest to the top of the pedal).
- **Output:** Use two 1/4" TS jacks for stereo output. For mono output, connect to the left output jack (closest to the top of the pedal).
- **Headphone:** Connect 3.5mm stereo headphones to the PHONES output for silent practice.

3.3 USB-C Connection

Connect the pedal to a computer (Mac or Windows) via the USB-C port for firmware updates, preset management, backup/restore, and switching between firmware versions (Reverb, Delay, Modulation).



Image: Detailed diagram illustrating the various input and output ports on the MOOER Meta FX pedal.

4. OPERATING INSTRUCTIONS

4.1 Controls Overview

- **LEVEL/VALUE Knob:** Adjusts the master output level. On the Home screen, holding EDIT, TYPE, or SAVE while turning this knob allows quick adjustment of key parameters.
- **SELECT/MENU Knob:** Used to browse presets. Press to open the Menu. Hold TYPE and turn this knob to quickly select an effect model.
- **Circular Screen:** A 1.28-inch color touchscreen displaying parameters and status. Supports touch control for certain functions.
- **EDIT Button:** Press to open parameter edit mode. Hold EDIT and turn the LEVEL/VALUE knob to adjust the first on-screen parameter.
- **TYPE Button:** Press to open the Effect Model selection. Hold TYPE and turn the LEVEL/VALUE knob to adjust the second parameter, or turn the SELECT/MENU knob to change the effect model.
- **SAVE Button:** Press to save current settings to a preset slot. Hold SAVE and turn the LEVEL/VALUE knob to adjust the third parameter.
- **Footswitch A:** Bypasses or engages the effect.
- **Footswitch B:** Function varies by firmware:
 - **Reverb:** Infinite Sustain
 - **Delay/Modulation:** Tap Tempo
- **Preset Select Mode:** Press both Footswitch A and B simultaneously to enter Preset Select mode. Press A or B to scroll down or up. The mode exits automatically after a short timeout.



Image: The pedal's user interface, highlighting the touchscreen and dual footswitches for control.

4.2 Firmware Management

The Meta FX supports three firmware families: Reverb, Delay, and Modulation. To switch between these firmware versions, connect the pedal to your computer via USB-C and use the MOOER Studio software. Only one firmware can be active on the pedal at any given time. This process is necessary to change the primary effect type the pedal will produce.

4.3 Preset Management

The pedal offers 100 preset locations. To save a custom setting, adjust parameters as desired, then press the SAVE button. Follow the on-screen prompts to select a preset slot and confirm. Presets can be recalled by entering Preset Select mode (press both footswitches) and navigating with Footswitch A or B.

5. MOOER STUDIO SOFTWARE

The MOOER Studio software is a dedicated application for Mac and Windows computers. It is essential for managing your Meta FX pedal. Key functions include:

- **Firmware Updates:** Install new firmware versions to access additional algorithms and features.
- **Firmware Switching:** Change the active firmware family (Reverb, Delay, or Modulation) on your pedal.
- **Preset Import/Export:** Manage your sound library by importing and exporting presets.
- **Backup/Restore:** Create backups of your pedal's settings and restore them as needed.
- **Factory Reset:** Reset the pedal to its original factory settings.

Visit the official MOOER website to download and install the latest version of MOOER Studio for Meta FX.



Image: The MOOER Meta FX pedal connected to a computer, demonstrating the use of the MOOER Studio software for management.

6. MULTI-SCENARIO APPLICATION

The MOOER Meta FX is designed for various musical applications:

- **Studio Sessions:** Integrate into studio setups for recording with high-quality stereo effects.
- **Silent Headphone Practice:** Use the dedicated headphone output for private practice sessions without disturbing others.
- **Small Gigs:** Its compact size and preset capabilities make it suitable for live performances.



Image: Visual representation of the pedal's versatility across different usage scenarios.

7. SPECIFICATIONS

Brand	MOOER
Model Name	Meta FX
Product Dimensions	125mm (L) x 74mm (W) x 49mm (H)
Item Weight	0.2 kg (200 g)
Audio Output Effects	Delay, Modulation, Reverb (swappable firmware)
Controls Type	Touch & Knob
Power Source	Corded Electric (9V DC, 300mA minimum)
Hardware Interface	1/4-inch Audio (TRS stereo I/O), 3.5mm Audio (Headphone), USB Type C
Signal Format	Digital
Sample Rate / Bit Depth	44.1 kHz / 24-bit



Image: The compact size of the Meta FX pedal, along with its key physical specifications.

8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the pedal's exterior. Avoid abrasive cleaners or solvents.
- **Storage:** Store the pedal in a cool, dry place away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Regularly check the MOOER official website for new firmware updates to ensure optimal performance and access to new features.
- **Power Supply:** Always use the recommended 9V DC (center negative) power supply to prevent damage.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
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No sound output.	Incorrect cable connections, power issue, effect bypassed.	Check all audio cables and power supply. Ensure the pedal is powered on and Footswitch A is engaged (effect active). Verify input/output connections.
Pedal not responding to controls.	Software glitch, incorrect mode.	Try restarting the pedal. Ensure you are not in a menu or mode that locks controls. If issues persist, perform a factory reset via MOOER Studio software.
Cannot switch firmware.	Incorrect USB connection, MOOER Studio software not running or outdated.	Ensure the USB-C cable is securely connected to both the pedal and the computer. Open MOOER Studio software and check for device recognition. Update MOOER Studio to the latest version.
Sound cuts out when changing effects/presets.	This is a known characteristic of the pedal's design when switching between certain effects or presets.	Plan your effect changes carefully during live performance to minimize audible interruptions. This behavior is inherent to the pedal's architecture.

10. OFFICIAL PRODUCT VIDEOS

MOOER Meta FX Stereo Delay Reverb Mod Effects Pedal Overview

Your browser does not support the video tag.

Video: A comprehensive overview of the MOOER Meta FX pedal, demonstrating its features and capabilities.

Reverb Demo of MOOER Meta FX

Your browser does not support the video tag.

Video: Demonstration of the various reverb effects available on the MOOER Meta FX pedal.

Delay Demo of MOOER Meta FX

Your browser does not support the video tag.

Video: Demonstration of the various delay effects available on the MOOER Meta FX pedal.

MOOER META FX Official Overview

Your browser does not support the video tag.

Video: An official overview of the MOOER Meta FX, detailing its design and functionality.

11. WARRANTY AND SUPPORT

The MOOER Meta FX pedal comes with a **1-year warranty**. For warranty claims, technical support, or further assistance, please contact MOOER customer service or visit the official MOOER store online.
Official MOOER Store: [Visit the MOOER Store](#)

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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