

MOOER GE300 Lite

MOOER GE300 Lite Guitar Amp Modelling Multi Effects Processor User Manual

Brand: MOOER | Model: GE300 Lite

1. INTRODUCTION

The MOOER GE300 Lite is a comprehensive guitar amp modelling and multi-effects processor designed for both stage and studio use. It integrates advanced features such as FX LOOP, Cab Sim, IR Loader, and Tone Capture, alongside a full complement of classic and modern effects. This manual provides essential information for setting up, operating, and maintaining your GE300 Lite unit.

2. SAFETY INFORMATION

To ensure safe operation and prolong the lifespan of your device, please observe the following precautions:

- Use only the specified power adapter.
- Do not expose the unit to rain, moisture, or extreme temperatures.
- Avoid placing the unit near heat sources or in direct sunlight.
- Do not open the casing or attempt to repair the unit yourself. Refer all servicing to qualified personnel.
- Keep the unit away from children.

3. PRODUCT OVERVIEW

3.1 Front Panel Controls

The front panel features a clear display and intuitive controls for easy navigation and effect adjustment.



Figure 1: Front view of the MOOER GE300 Lite, showing the display, control knobs, and footswitches.

- **Display:** Shows current preset, effect chain, and menu options.
- **Master Knob:** Controls the overall output volume.
- **Tap Tempo Button:** Sets the tempo for time-based effects.
- **Rhythm Button:** Activates and controls the drum machine.
- **System Button:** Accesses global settings and system parameters.
- **Select Encoder:** Navigates menus and adjusts parameter values.
- **Play/Save/EXP/Mode Buttons:** Dedicated buttons for common functions.
- **Effect Module Indicators:** A row of LEDs indicating the on/off status of each effect module (COMP, WAH, FXA, DS/OD, AMP, CAB, NS, TONE CAP, EQ, FXB, FXLOOP, DELAY, REVERB).
- **Footswitches (A, B, C, D):** Used for preset selection, module on/off, looper control, and tuner activation.
- **Expression Pedal:** Integrated pedal for real-time control of volume, wah, or other assigned parameters.

3.2 Rear Panel Connections

The rear panel provides all necessary input and output connections for integrating the GE300 Lite into your setup.



Figure 2: Rear view of the MOOER GE300 Lite, showing all input and output jacks.

- **INPUT (Guitar/Line):** 1/4-inch input jack for your instrument.
- **AUX IN:** 3.5mm stereo input for connecting external audio devices (e.g., MP3 player for backing tracks).
- **EXP1/EXP2:** Inputs for optional external expression pedals.
- **FX LOOP (SEND/RETURN):** 1/4-inch jacks for integrating external effects pedals into the signal chain.
- **OUTPUT (L/MONO, R):** 1/4-inch outputs for connecting to an amplifier or mixer.
- **XLR OUT (L, R):** Balanced XLR outputs for direct connection to a PA system or audio interface.
- **PHONES:** 3.5mm stereo output for headphones.
- **MIDI IN/OUT:** Standard MIDI connections for external MIDI control.
- **USB (Type-C):** For connecting to a computer for tone editing, firmware updates, and USB audio recording.
- **Power Switch:** Turns the unit on or off.
- **DC IN (9V):** Power input for the included 9V DC power supply.

4. SETUP

4.1 Powering On/Off

- Connect the included 9V DC power adapter to the DC IN jack on the rear panel.
- Press the Power Switch to turn the unit ON. The display will light up, showing the current preset.
- To turn OFF, press the Power Switch again.

4.2 Connecting Your Instrument and Audio Output

- Plug your guitar into the **INPUT** jack.
- For amplification, connect the **OUTPUT (L/MONO)** jack to your amplifier's input. For stereo output, connect both L and R outputs to a stereo amplifier or PA system.
- For silent practice, connect headphones to the **PHONES** jack.
- To use external audio sources, connect them to the **AUX IN** jack.

5. BASIC OPERATION

5.1 Navigating Presets and Effects

Upon powering on, the GE300 Lite will display the current preset. You can navigate and adjust settings using the following methods:

- **Preset Selection:** Rotate the **Select Encoder** to scroll through presets within the current bank. Use footswitches A, B, C, D to quickly select presets within the same bank.
- **Bank Switching:** Press footswitches A+B simultaneously to scroll forward through preset banks. Press C+D simultaneously to scroll backward through preset banks.
- **Effect Module On/Off:** In the main interface, rotate the **Mode Encoder** to select an effect module. Press the **Mode Encoder** to toggle the selected module on or off. The corresponding LED indicator will light up when active.
- **Adjusting Parameters:** Once an effect module is selected, press the **Select Encoder** to enter its parameter adjustment screen. Rotate the **Select Encoder** to highlight a parameter, then rotate the smaller knobs below the display to change its value.
- **Saving Changes:** After making adjustments, press the **Save Button**. You can choose a preset slot and rename the preset using the **Select Encoder** and display keyboard. Press **Save** again to confirm.

5.2 System Settings

Press the **System Button** to access global settings:

- **Input Level:** Adjust the input gain for your instrument.
- **Screen Brightness:** Adjust the display's brightness.
- **OTG Level:** Controls the recording volume for OTG (USB Audio).
- **Language:** Switch between English and Chinese.
- **Reset:** Restore the device to factory settings.

6. ADVANCED FEATURES

6.1 Tone Capture

The Tone Capture feature allows you to capture the sonic characteristics of your favorite amplifiers, stompboxes, or even entire signal chains. This creates a digital profile that can be used within the GE300 Lite.



Figure 3: Illustration of the Tone Capture feature on the MOOER GE300 Lite.

- Access Tone Capture mode via the display menu.
- Follow the on-screen instructions to connect your source (amp, pedal) and capture its tone.
- Captured tones can be saved and integrated into your presets.

6.2 FX Loop

The integrated FX Loop allows you to insert external effects pedals into the GE300 Lite's signal chain at a customizable point.

- Connect the **SEND** jack to the input of your external pedal.
- Connect the output of your external pedal to the **RETURN** jack.
- The FX Loop module can be positioned anywhere in your effect chain via the display.

6.3 Looper and Drum Machine

The GE300 Lite includes a looper and drum machine for practice and performance.

- **Looper:** Press and hold footswitches C+D simultaneously to enter the looper interface. Use footswitches A (Record/Overdub), B (Play/Stop/Clear), and C (Play/Dub) to control the looper.
- **Drum Machine:** Press the **Rhythm Button** to activate the drum machine. Use the **Select Encoder** to choose drum styles, adjust BPM, and control volume.

6.4 Expression Pedal

The integrated expression pedal can be calibrated and assigned to various functions:

- **Calibration:** Press the **EXP Button** to enter the expression pedal settings. Select 'Calibrate' and follow the on-screen instructions to set the minimum and maximum positions.
- **Function Assignment:** In the EXP settings, select 'Function' to assign the pedal to control volume, wah, or specific effect parameters (e.g., gain of a distortion pedal).

7. SOFTWARE & CONNECTIVITY

7.1 MOOER Studio Software

The MOOER Studio software (available for PC) allows for advanced tone editing, preset management, and firmware updates.

- Connect the GE300 Lite to your computer via the USB Type-C port.
- Download and install the MOOER Studio software and necessary drivers from the official MOOER website.
- Use the software to visually edit effect chains, adjust parameters, backup/restore presets, and perform firmware updates.

7.2 USB Audio

The USB Type-C port also functions as a USB audio interface, allowing you to record directly to your computer or mobile device.

- Connect the GE300 Lite to your recording device via USB.
- Select the GE300 Lite as your audio input device in your DAW (Digital Audio Workstation).
- Adjust the OTG Level in the System Settings for optimal recording volume.

8. SPECIFICATIONS

- **Item Weight:** 1.72 pounds (780 Grams)
- **Product Dimensions:** 11.3 x 8.19 x 2.52 inches
- **Hardware Interface:** USB
- **Signal Format:** Analog
- **Output Wattage:** 300 Watts
- **Power Source:** DC Power Supply (9 Volts, 300 Milliamps)
- **Compatible Devices:** Guitar
- **Style:** Delay, Reverb, Synthesizer, Multi Effects, Looper, Modulation

9. TROUBLESHOOTING

- **No Sound:** Check all cable connections, ensure the Master volume is up, and verify that effect modules are active in your preset.
- **No Power:** Ensure the power adapter is correctly connected and the Power Switch is on. Use only the specified 9V DC adapter.
- **USB Connection Issues:** Ensure the USB cable is securely connected. Reinstall MOOER Studio software and drivers. Some users have reported issues with Windows drivers; check the official MOOER support page for the latest drivers and troubleshooting tips.
- **Software Glitches:** If the MOOER Studio app behaves unexpectedly, try restarting the software and the GE300 Lite unit. Ensure your firmware is up to date.

10. MAINTENANCE

- Clean the unit regularly with a soft, dry cloth.
- Avoid using abrasive cleaners or solvents.
- Store the unit in a dry, dust-free environment when not in use.

11. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official MOOER website. Keep your purchase receipt as proof of purchase.

12. OFFICIAL PRODUCT VIDEOS

MOOER GE300 Lite Demo Preset

Video 1: A detailed demonstration of various presets available on the MOOER GE300 Lite. This video showcases the diverse range of tones and effects that can be achieved with the processor, providing examples of different musical styles and settings.






MOOER GE300 Lite Guitar Effects Pedal Multi FX Processor

Video 2: An overview of the MOOER GE300 Lite, highlighting its key features as a multi-effects processor. This video provides a general introduction to the unit's capabilities and design.

MOOER GE series using with GE-labs

Video 3: This video demonstrates how to use the MOOER GE series, including the GE300 Lite, with GE-labs software. It covers advanced functionalities like tone editing and preset management through the companion application.

Related Documents - GE300 Lite

	<p>MOOER GE300 LITE Amp Modelling & Multi Effects Owner's Manual</p> <p>This manual provides comprehensive instructions for the MOOER GE300 LITE, an amp modeling and multi-effects guitar processor. Learn about its features, setup, operation, and effect blocks.</p>
	<p>MOOER GE300 LITE V1.0: Amp</p> <p>MOOER GE300 LITE V1.0 , , TONE CAPTURE, IR GE300 LITE . , .</p>
	<p>MOOER STUDIO GE300 Software User Guide Amp Modelling & Effects Control</p> <p>Comprehensive user guide for MOOER STUDIO software, enabling users to edit presets, manage files, and update firmware for the MOOER GE300 amp modeller and multi-effects processor.</p>
	<p>MOOER GE250 Studio</p> <p>MOOER GE250 Studio , , , MIDI .</p>
	<p>MOOER GE300 Amp Modelling & Synth & Multi Effects Owner's Manual</p> <p>This owner's manual provides comprehensive information on the MOOER GE300, a powerful amp modelling, synthesizer, and multi-effects guitar processor. Learn about its features, operation, and specifications for optimal use.</p>



[MOOER GE150 Guitar Effects Processor: Owner's Manual and Features](#)

Comprehensive owner's manual for the MOOER GE150 Guitar Effects Processor. Learn about its features, controls, connections, software, and specifications.