

NUX MG-300

NUX MG-300 Multi Effects Pedal Instruction Manual

Model: **MG-300** | Brand: **NUX**

1. INTRODUCTION

The NUX MG-300 is a powerful and versatile multi-effects pedal designed for guitarists seeking a comprehensive solution for tone shaping and practice. Featuring advanced TSAC-HD amp modeling and CORE-IMAGE post-effects, it delivers authentic sounds and a wide range of creative possibilities. This manual provides essential information for setting up, operating, and maintaining your MG-300 pedal.

2. KEY FEATURES

- **25 TSAC-HD Amp Models:** Provides authentic and responsive amplifier tones.
- **50 Effects:** Includes a wide array of distortions/overdrives, modulations, delays, and reverbs.
- **User-Friendly Interface:** Equipped with a large LCD for intuitive navigation and control.
- **Built-in Tuner and Metronome:** Essential tools for practice and performance.
- **Onboard Looper:** Offers up to 60 seconds of phrase loop recording time, with rhythm synchronization.
- **Drum Machine:** Features 56 drum beats across 8 rhythm styles for versatile accompaniment.
- **USB Connectivity:** Allows for direct recording to a computer and firmware updates.
- **QuickTone Editor:** Dedicated software for in-depth tone customization and loading 3rd party Impulse Responses (IRs).
- **Expression Pedal:** Provides real-time control over various effects parameters like WAH, GAIN, PITCH, LEVEL, and MIX.
- **Compact and Portable Design:** Durable construction suitable for both home use and travel.
- **Headphone Output:** Enables silent practice sessions.

3. SETUP

3.1. Unpacking and Inspection

Carefully remove the NUX MG-300 from its packaging. Verify that all components are present and undamaged. The package should include the MG-300 unit and its power adapter.

3.2. Power Connection

Connect the included 9V DC power adapter to the 'DC 9V' input jack on the rear of the MG-300. Plug the adapter into a standard electrical outlet. The unit will power on automatically.

3.3. Audio Connections

The MG-300 offers various connection options:

- **Guitar Input:** Connect your guitar to the 'INPUT' jack using a standard 1/4-inch instrument cable.
- **Output to Amplifier/PA:** Connect the 'OUTPUT' jacks to your guitar amplifier's input, or directly to a PA system/mixer.
- **Headphone Output:** For silent practice, connect your headphones to the 'PHONES' jack.
- **AUX In:** Connect an external audio source (e.g., MP3 player, phone) to the 'AUX IN' jack to play along with backing tracks.



Figure 3.1: Rear panel connections of the NUX MG-300.



Figure 3.2: Cables connected to the input, output, and AUX In ports.

3.4. USB Connection

Connect the MG-300 to your computer using a USB cable. This allows for direct audio recording and access to the QuickTone Editor software for advanced settings and firmware updates.

4. OPERATING THE MG-300

4.1. Controls Overview

The MG-300 features a clear layout of knobs and buttons for easy operation:

- **SELECT Knob:** Used to navigate menus and select options.
- **GAIN Knob:** Adjusts the gain level of the selected amp model or effect.
- **LEVEL Knob:** Controls the output level of the selected effect block.
- **MASTER Knob:** Adjusts the overall output volume of the unit.
- **EDIT/EXIT Button:** Enters/exits editing mode or goes back to the previous screen.
- **SAVE Button:** Saves your customized presets.

- **MODE Button:** Switches between different operational modes.
- **JAM Button:** Activates the drum machine and looper functions.
- **TAP Button:** Used for tap tempo for delay and modulation effects.
- **PEDAL Button:** Configures the expression pedal's function.
- **GROUP MODULE Buttons (Left/Right Arrows):** Navigates between effect blocks in the signal chain.
- **LOOP Footswitch:** Controls the looper function (record, play, dub).
- **DRUM Footswitch:** Activates/deactivates the drum machine.
- **BYPASS TUNER Footswitch:** Bypasses effects and activates the built-in tuner.



Figure 4.1: Overview of the NUX MG-300 controls.

4.2. Amp Modeling and Effects

The MG-300 utilizes TSAC-HD (True Simulation of Analog Circuit - High Definition) technology for realistic amp modeling. It includes 25 amp models and 25 cabinet Impulse Responses (IRs). You can further customize your tone by selecting from 4 classic microphones with 3 positions each. The CORE-IMAGE technology powers the post-effects, offering a rich library of modulation, delay, and reverb effects.

4.3. Looper and Drum Machine

Engage the JAM button to access the looper and drum machine. The looper allows for 60 seconds of recording, with the ability to overdub. The drum machine provides 56 diverse beats across 8 styles, and can synchronize with your phrase loops for dynamic practice sessions.

4.4. Tuner

Press and hold the BYPASS TUNER footswitch to activate the built-in chromatic tuner. The LCD will display your note and tuning accuracy.

4.5. Expression Pedal

The integrated expression pedal can be assigned to control various parameters. Use the PEDAL button to cycle through assignments such as WAH (controlling the WAH filter), EFX (controlling GAIN/DRIVE or PITCH BENDER), AMP (controlling AMP LEVEL), MOD (controlling Modulation MIX), DLY (controlling Delay MIX), and RVB (controlling Reverb MIX).



Figure 4.2: The expression pedal provides real-time control.

4.6. QuickTone Editor Software

For comprehensive tone customization, download the NUX QuickTone Editor software from the official NUX website. This software allows you to visually adjust all parameters, manage presets, and load 3rd party IR files (48kHz WAV format supported). The video below demonstrates the QuickTone Editor's capabilities.

Video 4.1: Demonstration of the NUX MG-300 Multi Effect Pedal and QuickTone Editor.

5. MAINTENANCE

To ensure the longevity and optimal performance of your NUX MG-300, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the unit. Avoid abrasive cleaners, waxes, or solvents.
- **Storage:** Store the pedal in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the unit with care. Avoid dropping it or subjecting it to strong impacts.
- **Power Supply:** Always use the specified power adapter to prevent damage.

6. TROUBLESHOOTING

If you encounter issues with your NUX MG-300, try the following basic troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the pedal and a working power outlet.
- **No Sound:** Check all audio cable connections (guitar, output to amp/headphones). Ensure the volume knobs (LEVEL, MASTER) are turned up. Verify that effects are not bypassed unintentionally.
- **Distorted Sound:** Check your input gain levels. Reduce the GAIN knob if the sound is clipping. Ensure your amplifier's input is not overdriven.
- **Unit Freezes/Unresponsive:** Disconnect and reconnect the power adapter to perform a hard reset.
- **Software Connection Issues:** Ensure the USB cable is properly connected. Restart the QuickTone Editor software and/or your computer. Check for updated USB drivers on the NUX website.

7. SPECIFICATIONS


Feature	Description
Model Number	MG-300
Item Weight	9 ounces (255 Grams)
Product Dimensions	8.27 x 4.25 x 17.64 inches (14.3"L x 9.8"W x 3.2"H)
Power Source	Corded Electric
Voltage	9 Volts
Hardware Interface	USB
Signal Format	Analog
Color	White

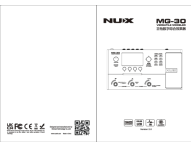
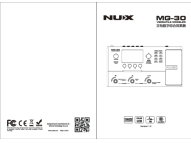
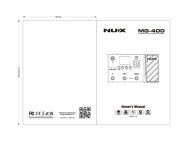
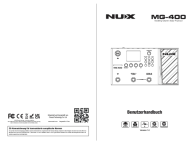

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your purchase or visit the official NUX website. For further technical support, firmware updates, and to download the QuickTone Editor software, please visit the NUX support page:

www.nuxefx.com/support

Related Documents - MG-300

	<p>NUX MG-300 Modeling Guitar Processor Owner's Manual</p> <p>Discover the NUX MG-300 Modeling Guitar Processor, a versatile multi-effects pedal featuring TSAC-HD Amp Modeling, CORE-IMAGE post-effects, 56 drum beats, 60-second looper, and USB audio streaming. This owner's manual provides detailed instructions for operation, effects, and settings.</p>
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	<p>NUX MG-30 Versatile Modeler User Manual</p> <p>Comprehensive user manual for the NUX MG-30 Versatile Modeler, detailing its features, operation, controls, and specifications. Learn how to use amp modeling, effects, looper, drum machine, tuner, and global settings.</p>
	<p>NUX MG-30 Versatile Modeler User Manual</p> <p>This manual provides detailed information on the NUX MG-30 Versatile Modeler, including safety instructions, features, control panel layout, connection diagrams, global settings, specifications, and included accessories.</p>
	<p>NUX MG-400 Modeling Guitar & Bass Processor Owner's Manual</p> <p>This manual provides detailed information on the NUX MG-400 Modeling Guitar & Bass Processor, covering its features, functions, and operation. Learn about its TSAC-HD amp modeling, extensive effects, user-friendly interface, and connectivity options.</p>
	<p>NUX MG-400 Modeling Guitar Bass Processor User Manual</p> <p>Comprehensive user manual for the NUX MG-400 Modeling Guitar and Bass Processor, detailing its features, operations, connections, system menu, effects, amp models, and specifications.</p>
	<p>NUX MG-101 Modeling Guitar Processor User Manual</p> <p>User manual for the NUX MG-101 Modeling Guitar Processor, detailing its features, operation, connections, and specifications. Includes information on amp modeling, effects, looping, drum machine, and software editor.</p>