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NUX MG-100

NUX MG-100 Electric Guitar Multi-Effects Pedal Processor User Manual

1. INTRODUCTION

The NUX MG-100 is a versatile multi-effects pedal processor designed for electric guitarists. It integrates a wide array of effects, amplifier models, and utility features into a compact and portable unit. This manual provides detailed instructions for setting up, operating, and maintaining your MG-100 to ensure optimal performance.



Figure 1: NUX MG-100 Multi-Effects Pedal Processor

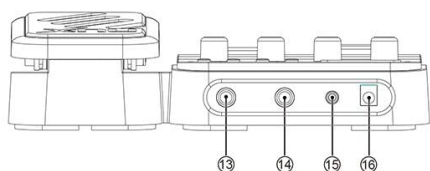
2. PRODUCT FEATURES

- A total of 58 effects, with up to 8 usable simultaneously.

- 13 classic amp models utilizing NUX's TS/AC technology.
- Vintage 3-band passive EQ modeling for each amp model.
- 6-band graphic EQ specifically designed for electric guitar (120Hz, 250Hz, 750Hz, 1.6kHz, 3.2kHz, 6.4kHz).
- 11 cabinet models for diverse sound shaping.
- Seamless and quick preset switching.
- Up to 40 seconds phrase loop with sound-on-sound capability.
- Built-in drum machine with CD quality PCM sounds.
- Large color TFT LCD panel (160x128) with a graphic interface for intuitive operation.
- A total of 72 presets (36 factory + 36 user presets).
- Powered by six AA/LR6 alkaline batteries for up to 8 hours of continuous use, or via AC adapter.
- Built-in tuner for accurate instrument tuning.

3. FRONT PANEL CONTROLS AND FUNCTIONS

Rear Panel



13. INPUT

Connect your instrument to this high-impedance input.

14. OUTPUT

Connect the OUTPUT to the input of guitar amplifier (or mixer input) for mono operation. It is also possible to use a Y cable for sending the output to two amplifiers.

15. AUX IN

Connect the headphone output of an MP3 or CD player to this jack. Adjust the output level of your playback device and the MG-100's master Level knob for the proper volume balance.

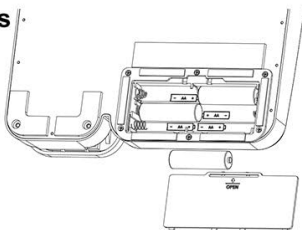
16. DC IN

Connect the included DC9V negative tip power supply to this jack.

Installing Batteries

Insert the batteries as shown in figure, being careful to orient the batteries correctly.

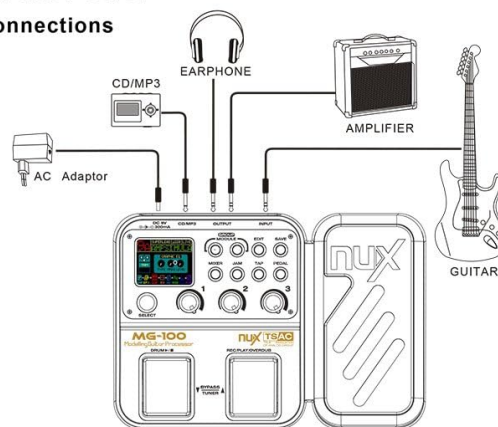
- When the batteries run down, "Low Battery" appears on the display. When operating with batteries, you can check the amount of remaining charge in the top right corner of the display when in edit modes.



- Turn the unit over and open the battery compartment cover on the bottom.
- Make sure the "+" and "-" ends of the batteries are oriented correctly.
- Insert six AA batteries into the battery compartment.
- Avoid using new and used batteries together.

The Things We Need to Do Before Turning On the Power

Connections



- Please use the included AC adaptor or a DC9V(center minus plug) 300ma , power adapter. Using an adaptor other than the specified type may cause damage.
- The INPUT jack also acts as a power switch. Inserting a plug in the INPUT jack turns on the power. The power is switched off when the plug is disconnected. Be sure to unplug the cable from this jack when the MG-100 is not in use.
- Connect the input of a guitar amp to the OUTPUT jack, or inputs of two guitar amps to the OUTPUT jack with a Y cable. You can also connect stereo headphones to this jack. For proper frequency response, make sure that the MIXER function is enabled when using headphones.

Power ON/OFF

Turning on the power

- Turn down the volume on all devices and connect the external devices.
- Insert the plug into the INPUT jack.
- Turn on the power to the CD or MP3 player or other aux input device.
- Turn on the power to the guitar amp or other output device.
- And then, adjust the volume of each device.

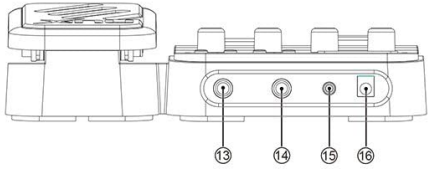
Figure 2: Front Panel Layout

1. **PRESET ▲ ▼ Foot Switches:** Used to select presets. The right switch selects the next preset up, and the left switch selects the next preset down. Press both switches simultaneously to enter tuning mode.
2. **Expression Pedal:** Provides real-time control over volume, wah, or assigned effect parameters. It includes a switch to activate/deactivate the wah feature by applying extra pressure to the toe. Sensitivity can be calibrated.
3. **MODULE Buttons:** Navigate through the effects modules. Pressing these buttons cycles through the available effect sets displayed on the screen.
4. **SAVE Button:** Saves your customized tone settings. Press once to initiate saving, use the SELECT knob to choose characters for the preset name, and MODULE knobs to change characters. Select the group and preset location with PRESET ▲ ▼, then press SAVE again to confirm.

5. **TAP Button:** Sets the overall tempo for delay time synchronization and LFO frequency for modulation effects. Tap tempo is calculated from the average of the first two to ten taps. The tempo is displayed in beats per minute (BPM).
6. **Display:** A 160x128 TFT LCD screen showing information for various functions. In LIVE mode, it displays the current preset number and name. In EDIT mode, it shows the model name.
7. **EDIT Button:** In SAVE mode, this button stops the save procedure. In LIVE and EDIT mode, it switches between these two modes.
8. **JAM Button:** Activates or deactivates the built-in drum and loop machine interface.
9. **MIXER Button:** Enters MIXER mode, recommended when connecting the MG-100 directly to a recorder, hi-fi system, headphones, or other audio devices.
10. **SELECT Knob:** Used to choose effects for each module in LIVE mode, characters in SAVE mode, and tempo in DRUM mode.
11. **KNOBS 1-3:** Adjust parameters of the selected effect module. Knob 3 specifically controls the master volume in LIVE mode.
12. **PEDAL Button:** Selects the module to assign to the expression pedal. In SAVE mode, it's used to choose characters. In DRUM mode, it's used to enter the tempo.

4. REAR PANEL CONNECTIONS

Rear Panel



13. INPUT
Connect your instrument to this high-impedance input.

14. OUTPUT
Connect the OUTPUT to the input of guitar amplifier (or mixer input) for mono operation. It is also possible to use a Y cable for sending the output to two amplifiers.

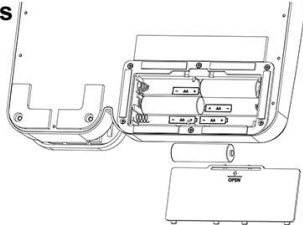
15. AUX IN
Connect the headphone output of an MP3 or CD player to this jack. Adjust the output level of your playback device and the MG-100's master Level knob for the proper volume balance.

16. DC IN
Connect the included DC9V negative tip power supply to this jack.

Installing Batteries

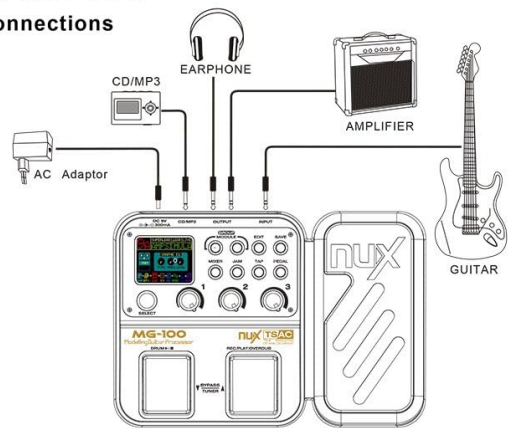
Insert the batteries as shown in figure, being careful to orient the batteries correctly.

- When the batteries run down, "Low Battery" appears on the display. When operating with batteries, you can check the amount of remaining charge in the top right corner of the display when in edit modes.
- Turn the unit over and open the battery compartment cover on the bottom.
- Make sure the "+" and "-" ends of the batteries are oriented correctly.
- Insert six AA batteries into the battery compartment.
- Avoid using new and used batteries together.



The Things We Need to Do Before Turning On the Power

Connections



- Please use the included AC adaptor or a DC9V(center minus plug) 300ma , power adapter. Using an adaptor other than the specified type may cause damage.
- The INPUT jack also acts as a power switch. Inserting a plug in the INPUT jack turns on the power. The power is switched off when the plug is disconnected. Be sure to unplug the cable from this jack when the MG-100 is not in use.
- Connect the input of a guitar amp to the OUTPUT jack, or inputs of two guitar amps to the OUTPUT jack with a Y cable. You can also connect stereo headphones to this jack. For proper frequency response, make sure that the MIXER function is enabled when using headphones.

Power ON/OFF

Turning on the power

- Turn down the volume on all devices and connect the external devices.
- Insert the plug into the INPUT jack.
- Turn on the power to the CD or MP3 player or other aux input device.
- Turn on the power to the guitar amp or other output device.
- And then, adjust the volume of each device.

Figure 3: Rear Panel Layout

1. **INPUT (13):** Connect your instrument to this high-impedance input.
2. **OUTPUT (14):** Connect to the input of a guitar amplifier or mixer for mono operation. A Y-cable can be used to send the output to two amplifiers.
3. **AUX IN (15):** Connect the headphone output of an MP3 player or CD player. Adjust the playback device's

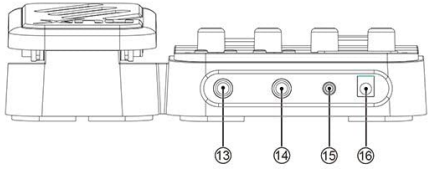
output level and the MG-100's master Level Knob for proper volume balance.

4. **DC IN (16):** Connect the included DC9V negative tip power supply.

5. POWERING THE DEVICE

5.1. Connections

Rear Panel



13. INPUT
Connect your instrument to this high-impedance input.

14. OUTPUT
Connect the OUTPUT to the input of guitar amplifier (or mixer input) for mono operation. It is also possible to use a Y cable for sending the output to two amplifiers.

15. AUX IN
Connect the headphone output of an MP3 or CD player to this jack. Adjust the output level of your playback device and the MG-100's master Level knob for the proper volume balance.

16. DC IN
Connect the included DC9V negative tip power supply to this jack.

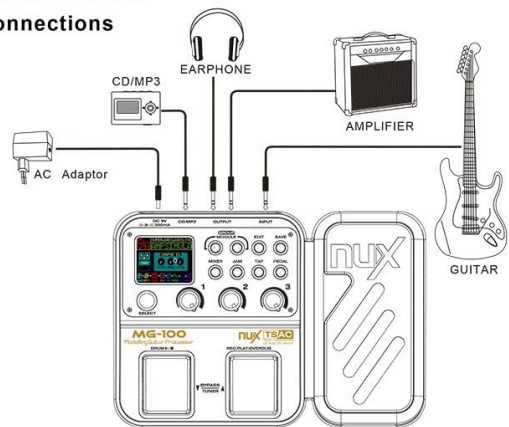
Installing Batteries

Insert the batteries as shown in figure, being careful to orient the batteries correctly.

- When the batteries run down, "Low Battery" appears on the display. When operating with batteries, you can check the amount of remaining charge in the top right corner of the display when in edit modes.
- Turn the unit over and open the battery compartment cover on the bottom.
- Make sure the "+" and "-" ends of the batteries are oriented correctly.
- Insert six AA batteries into the battery compartment.
- Avoid using new and used batteries together.

The Things We Need to Do Before Turning On the Power

Connections



- Please use the included AC adaptor or a DC9V(center minus plug) 300ma , power adaptor. Using an adaptor other than the specified type may cause damage.
- The INPUT jack also acts as a power switch. Inserting a plug in the INPUT jack turns on the power. The power is switched off when the plug is disconnected. Be sure to unplug the cable from this jack when the MG-100 is not in use.
- Connect the input of a guitar amp to the OUTPUT jack, or inputs of two guitar amps to the OUTPUT jack with a Y cable. You can also connect stereo headphones to this jack. For proper frequency response, make sure that the MIXER function is enabled when using headphones.

Power ON/OFF

Turning on the power

- Turn down the volume on all devices and connect the external devices.
- Insert the plug into the INPUT jack.
- Turn on the power to the CD or MP3 player or other aux input device.
- Turn on the power to the guitar amp or other output device.
- And then, adjust the volume of each device.

Figure 4: Connection Diagram

- Use only the included AC adapter or a DC9V (center minus plug) 300mA power adapter. Using an incorrect adapter may cause damage.
- The INPUT jack also functions as a power switch. Inserting a plug turns on the power; disconnecting it turns off the power. Always unplug the cable when the MG-100 is not in use.
- Connect your guitar amp to the OUTPUT jack. For stereo output, use a Y-cable to connect to two guitar amps. Stereo headphones can also be connected to the OUTPUT jack. Ensure MIXER function is enabled for proper frequency response with headphones.

5.2. Installing Batteries

- Turn the unit over and open the battery compartment cover on the bottom.
- Insert six AA batteries, ensuring correct polarity (+ and - ends).
- Avoid mixing new and used batteries.
- A "Low Battery" indicator will appear on the display when batteries are low. The remaining charge can be checked in edit modes.

5.3. Turning On the Power

- Before powering on, turn down the volume on all connected devices.
- Insert the guitar cable into the INPUT jack.

- Turn on any connected CD/MP3 player or other Aux input devices.
- Turn on the guitar amp or other output devices.
- Gradually adjust the volume of each device to your desired level.

6. BASIC OPERATION

6.1. Exploring Presets and Effects

The NUX MG-100 comes with 72 presets (36 factory and 36 user-definable) and 58 different effects. Use the **PRESET ▲ ▼** foot switches to navigate through them. The **MODULE** buttons allow you to step through different effect types within a preset.

The following video demonstrates various presets and features of the MG-100, including the wah pedal, battery compartment, drum machine, and different amp/effect sounds.

Your browser does not support the video tag.

Video 1: NUX MG-100 Multi-Effects Pedal Demonstration (Seller Content)

6.2. Editing and Saving Tones

To customize a tone, press the **EDIT** button. You can then use the **SELECT** knob and **KNOBS 1-3** to adjust parameters for various effects like EQ, Noise Gate, Chorus, and Delay. After making adjustments, press the **SAVE** button to store your custom tone in one of the user preset slots. You can name your custom presets using the **SELECT** knob and **MODULE** buttons.

6.3. Drum Machine and Looper

The MG-100 features a built-in drum machine and a 40-second phrase looper. Press the **JAM** button to access these features. You can select various drum styles (Rock, Country, Blues, Metal, etc.) and use the looper for practice or song creation.

The following video provides a demonstration of the built-in tuner, drum machine, and looper functions.

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Video 2: NUX MG-100 Tuner, Drum Machine, and Looper Demonstration (Seller Content)

6.4. Tuner

To activate the built-in tuner, press both **PRESET ▲ ▼** foot switches simultaneously. The display will show the tuning interface, allowing you to accurately tune your guitar.

7. SPECIFICATIONS



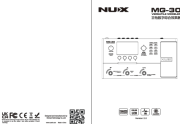
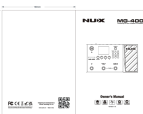

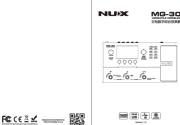
| Feature | Value |
|--------------------|---|
| Item Weight | 1.53 pounds |
| Product Dimensions | 8.9 x 6.1 x 2 inches |
| Model Number | NUX MG-100 |
| Power Source | Battery Powered (6x AA/LR6) or AC Adapter |
| Voltage | 9 Volts |
| Amperage | 300 Milliamps |
| Hardware Interface | USB |

| | |
|-------------------|--------------------------|
| Number of Effects | 58 |
| Amp Models | 13 |
| Cabinet Models | 11 |
| Presets | 72 (36 Factory, 36 User) |

8. TROUBLESHOOTING

- **No Sound:** Check all cable connections (guitar, amp, power). Ensure the volume knobs on the MG-100 and your amplifier are turned up. Verify that the correct input and output settings are selected.
- **Distorted/Unwanted Sound:** Check gain and level settings on the MG-100. Ensure no unwanted effects are active. If using batteries, check battery level.
- **Pedal Not Responding:** Ensure the expression pedal is calibrated correctly. Check if the pedal is assigned to the desired module.

• Related Documents - MG-100

| | |
|---|--|
|  | <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> |
|  | <p>NUX MG-300 MKII Modelling Guitar Processor User Manual</p> <p>Comprehensive user manual for the NUX MG-300 MKII Modelling Guitar Processor, detailing its features, operation, connectivity, system settings, and technical specifications. Learn how to use amp modeling, effects, looping, and recording capabilities.</p> |
|  | <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-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-20 Guitar Modeling Processor User Manual</p> <p>Comprehensive user manual for the NUX MG-20 Guitar Modeling Processor, detailing its features, operation, connection, and specifications.</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> |

