



NUX MG-30 Multi Effects Versatile Modeler Owner's Manual

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NUX

NUX MG-30 Multi Effects Versatile Modeler



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Accuracy

Whilst every effort has been made to ensure the accuracy and content of this manual, Cherub Technology Co. makes no representations or warranties regarding the contents.

WARNING!-IMPORTANT SAFETY INSTRUCTIONS BEFORE CONNECTING, READ INSTRUCTIONS

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION: To reduce the risk of fire or electric shock, do not remove screws. No user-serviceable parts inside. Refer servicing to qualified service personnel.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help. The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.

1. Use only the supplied power supply or power cord. If you are not sure of the type of power available, consult your dealer or local power company.
2. Do not place near heat sources, such as radiators, heat registers, or appliances which produce heat.
3. Guard against objects or liquids entering the enclosure.
4. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
5. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
6. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
7. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and at the point where they exit from the apparatus.

8. Prolonged listening at high volume levels may cause irreparable hearing loss and/or damage. Always be sure to practice “safe listening”.

Introduction

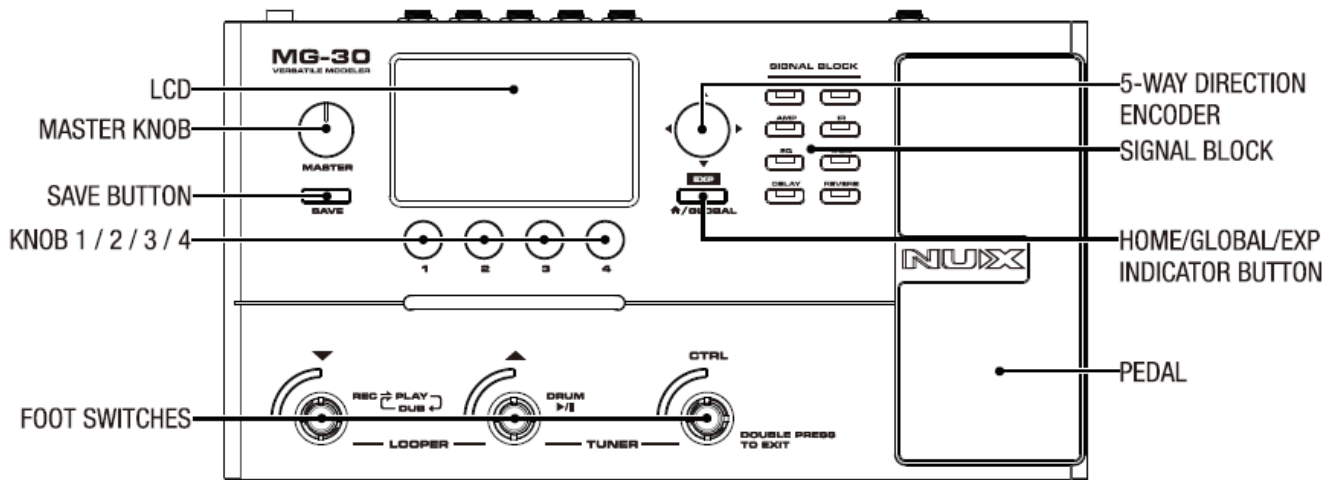
NUX MG-30 is a versatile modeler. MG-30 equips 2 powerful DSPs for high-definition White-Box Amp Modeling algorithm (TSAC-HD) and Core-Image post-effects. Since we announced the best budget compact modeler MG-300, people were blown away by the sound and playability. We're proud to say MG-30 can offer you 2K definition better than MG-300's Full-HD experience. The aluminum alloy enclosure gives you strong protection in all kinds rigorous environments. Send/Return and external EXP jacks offer multi applications the guitarists need. Moveable signal blocks, optional parallel post-effect routing and 1024 samples IR resolution make MG-30 be the versatile modeler as game changer in the industry.

Features

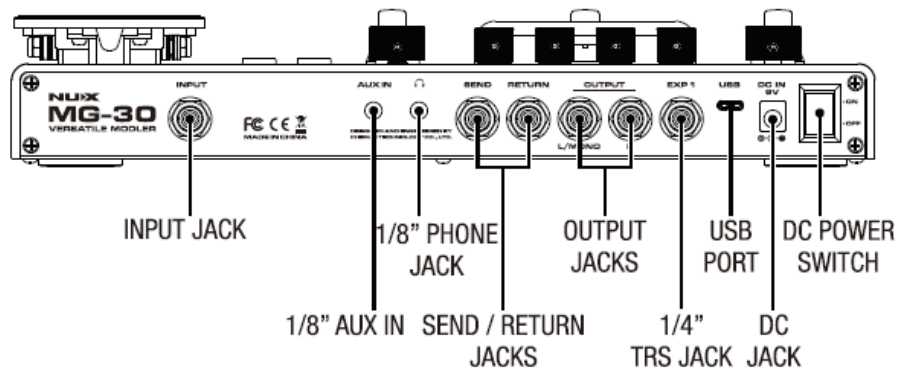
- 4" 800*400 color LCD with intuitive UI.
- WAH, CMP, GATE, EFX, AMP, IR, EQ, S/R, MOD, DLV, RVB | 11 independent moveable signal blocks with optional parallel post-efx routing.
- White-box Amp Modeling & Pre-efx algorithm offers realistic playability and analog-chaos response.
- 1024 samples IR resolution and 3rd party IR loader slot w/ each user patch.
- Electric guitar amp models, bass amp models, and acoustic simulation IRs with related acoustic amp models .
- Input trim with 3 band EQ under Global setting.
- 5 output modes with global 3 band EQ for quick tone tweaking.
- Parameter Follow function can track your effect tweaking habits.
- USB recording interface, firmware update, Quick Tone edit software.

Control Panel

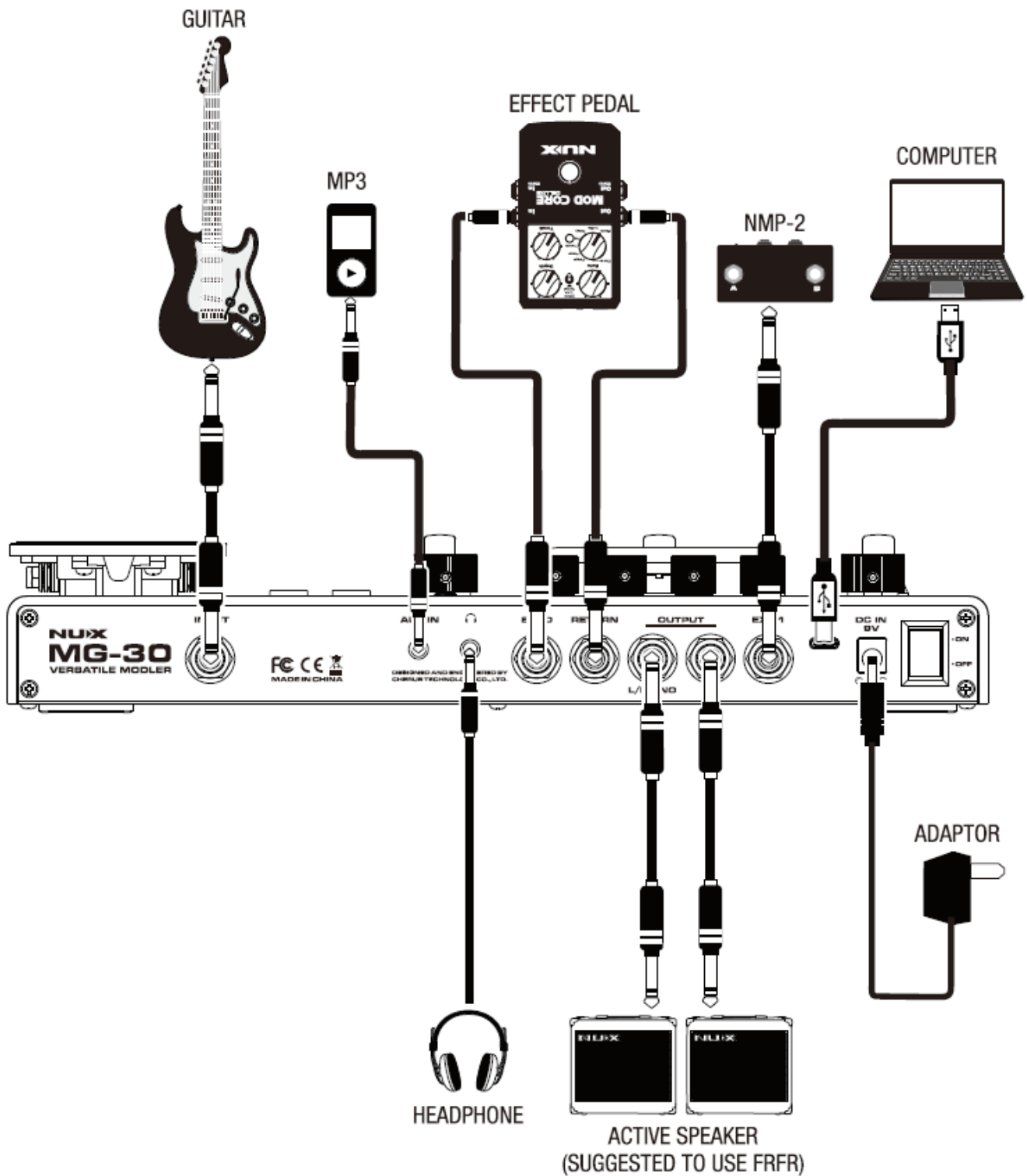
Front Panel



Rear Panel



Connection



Operation

MASTER KNOB

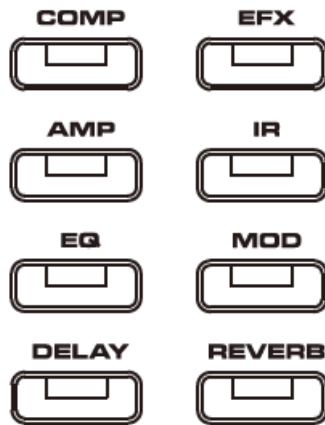
Controls overall master volume of MG-30.



MASTER

SIGNAL BLOCK

SIGNAL BLOCK

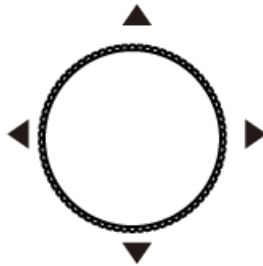


Under the current patch. Press once to engage/disengage the related signal block. Hold to enter to related signal block editing. Hold 2 signal blocks can exchange the block position. (AMP & IR blocks are fixed together.) Signal blocks are also the indicators to show the current status. (Engaged / Disengaged)

Hidden Function:

Holding block to exchange: CMP->EFX , EFX->MOD , MOD->EFX
It means you can stack CMP, and 2 EFXs (OD/DIST) at the same time.

5-WAY DIRECTION ENCODER



During current patch location display. Press once to enter to edit mode, then you can go left/right to choose related signal block to tweak parameters. Rotate the encoder can switch to different models.
During current patch location display. Hold up, you can adjust the current patch level.



In patch edit mode, hold 5-way encoder “UP”, you can also adjust the current patch SIGNAL BLOCK order/routing. If your current block is MOD / DLY / RVB, press KNOB 3 or KNOB 4 can set the post-effects as parallel routing.

During current patch location display. Hold down, you can adjust EXP / EXP 1 / CTRL assignment settings. (MG-30 will detect external EXP 1 jack while you connect with NUX NMP-2 or expression pedal.)



In patch edit mode, hold 5-way encoder “DOWN”, you can also go to on-board EXP / external EXP / CTRL assignment settings.

HOME/GLOBAUEXP INDICATOR BUTTON

During current patch display, hold global button to enter to GLOBAL SETTING, then use 5-way direction encoder to adjust all the setups. Press once to go one layer back.



The EXP indicator can show the on-board EXP is engaged for secondary function or not.

SAVE BUTTON

Either in GLOBAL SETTING or Patch Edit, press the SAVE button to store. Press HOME/GLOBAL button to go back.



KNOB 1 / 2 / 3 / 4

While you enter to edit mode (press 5-way encoder), you can tweak the knob to adjust the related parameters. You can even press the knob to go to different page.



Hidden Functions in PRESET mode by pressing KNOB 1 / 2/ 3/ 4:

- Press KNOB1: You can adjust current patch LEVEL by rotating KNOB 1. (Press KNOB 4 to recall default parameter.)
- Press KNOB 2: You can see current patch's BPM/TIME setting. In the meantime, you can tap KNOB 2 as Tap Tempo to adjust the BPM value.
- Press KNOB 3: You can see current CPU status.⁴
- Press and hold KNOB 4: Recall default patch.

Press KNOB1: You can adjust current patch LEVEL by rotating KNOB 1. (Press KNOB 4 to recall default parameter.)



Press KNOB 2: You can see current patch's BPM/TIME setting. In the meantime, you can tap KNOB 2 as Tap Tempo to adjust the BPM value.



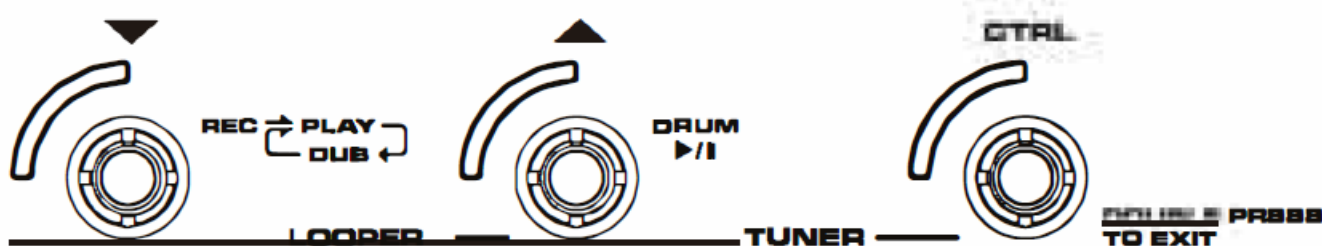
Press KNOB 3: You can see current CPU status.



Press and hold KNOB 4: Recall default patch.



FOOT SWITCHES



DOWN FOOT SWITCH: During patch display, press once can go patch down.

UP FOOT SWITCH: During patch display, press once can go patch up.

CTRL FOOT SWITCH: You can assign CTRL foot switch as TAP/ CMP /GATE/ EFX / EQ /SR/ MOD/ DLY / RVB / SCENE. (Enter to on-board EXP / external EXP / CTRL assignment settings.) TAP means globally tap tempo. For other signal blocks, it means you can engage/disengage by CTRL foot switch. SCENE: Assign CTRL as SCENE foot switch to switch S1 / S2 / S3 sequentially. For QUICK SCENE, you can engage/disengage signal blocks freely, and it can keep DELAY/ REVERB trails while you disengage them by SCENE CTRL.



Press UP & DOWN foot switch, then you can enter to DRUM & LOOPER. In the meantime, DOWN foot switch controls phrase looper, UP foot switch controls drum.



KNOB 1 controls LOOP VOL. Short press it to adjust MONO/ STEREO recording. Long press to enter to NR/AR selection. NR means Normal Recording as regular phrase loop operation. AR means Auto Recording, Auto Recording: Since you press LOOP foot switch, the device is ready to record phrase, while you play the instrument, the device will detect the input signal immediately to record. Long press KNOB 1 again to quit NR/AR selection. KNOB 2 controls DRUM VOL. Short press it to enter to DRUM EQ. KNOB 2 controls BASS, KNOB 3 controls MIDDLE, KNOB 4 controls TREBLE. Short press again to quit DRUM EQ.



KNOB 3 controls TEMPO. Rotate KNOB 3 to adjust DRUM BPM, and you can tap KNOB 3 to do Tap Tempo. KNOB 4 controls STYLE. Rotate KNOB 4 to adjust DRUM style.

LOOP FOOTSWITCH



RHYTHM FOOTSWITCH



Double press CTRL to exit DRUM & LOOPER.
Press UP & CTRL foot switch, then you can enter to TUNER.

Rotate KNOB 1 to switch CHROMATIC or COMPEN. G , press KNOB 1 to switch Mute or Listening. Note: COMPEN. G is guitar compensation tuning algorithm.
Double press CTRL foot switch to exit TUNER.

- **DC POWER SWITCH**
Turn ON / OFF MG-30 through the switch.
- **DC JACK**
Connect the original adaptor to the jack.
- **USB**
Connect the USB cable to computer for firmware update, USB recording, or Quick Tone edit software editing.
Note: Connect USB cable to computer, and hold UP & DOWN foot switch to turn on MG-30, then you can enter to DFU(Device Firmware Update) mode to do firmware update. For more details, please visit product page to check the firmware update instruction and download the newest firmware & QuickTone edit software.
- **OUTPUT JACKS**
L out is for mono, R out is for right side while stereo application.
- **SEND / RETURN JACKS**
You can connect with other effect pedals through SEND / RETURN. You can check S/R current block position on the display.
- **1/8" PHONE JACK**
Connect your headphone to the 1/8" phone jack. The phone out is related to OUTPUT.

DC POWER SWITCH



Turn ON / OFF MG-30 through the switch.

DC JACK



Connect the original adaptor to the jack.

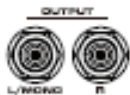
USB



Connect the USB cable to computer for firmware update, USB recording, or QuickTone edit software editing.

Note: Connect USB cable to computer, and hold UP & DOWN foot switch to turn on MG-30, then you can enter to DFU(Device Firmware Update) mode to do firmware update. For more details, please visit product page to check the firmware update instruction and download the newest firmware & QuickTone edit software.

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1/8" PHONE JACK



Connect your headphone to the 1/8" phone jack. The phone out is related to OUTPUT.

09

- 1/8" AUX IN
Connect your MP3 player to the 1 /8" AUX IN jack for playback.
- INPUT JACK
Connect your guitar to INPUT jack.
- EXP1
1/4" TRS jack, connect an external expression pedal here, or the additional NMP-2.

1/8" AUX IN

AUX IN



Connect your MP3 player to the 1/8" AUX IN jack for playback.

INPUT JACK

INPUT



Connect your guitar to INPUT jack.

EXP1

EXP 1



1/4" TRS jack, connect an external expression pedal here, or the additional NMP-2.

Global Setting

Here we will explain more details about GLOBAL SETTING, actually it's very intuitive, you can follow the UI to operate easily.

Hold HOME/GLOBAL button to enter to GLOBAL SETTING.

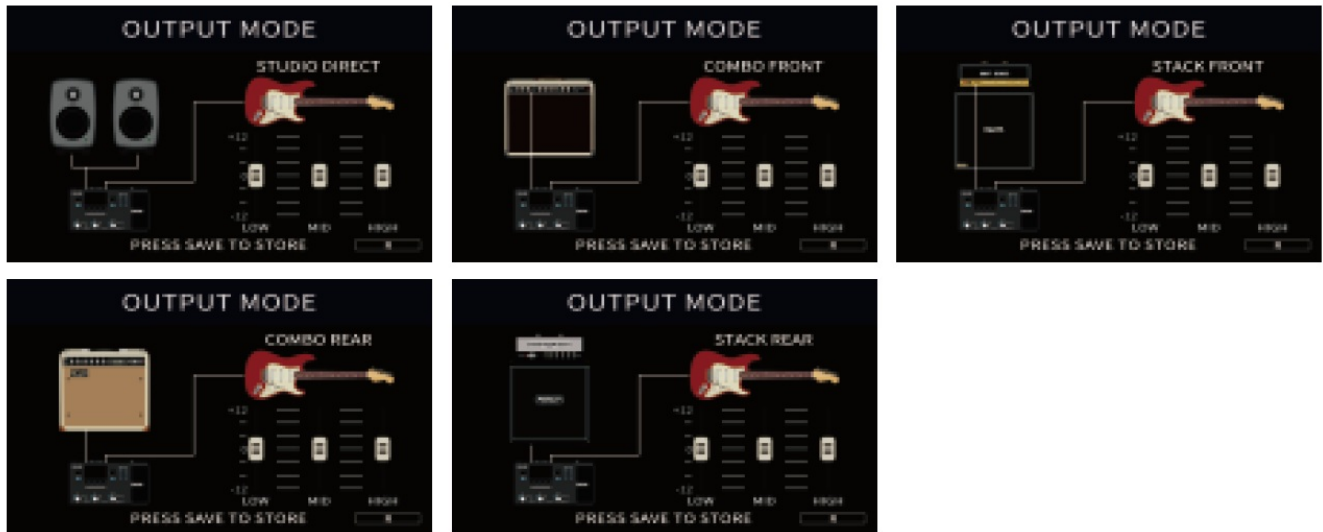


PRE EQ

You can adjust input trim and 3 band EQ to fix the guitar sound as you prefer.

OUTPUT MODE

You can choose the suitable output mode with related connection. While you choose COMBO FRONT / STACK FRONT, MG-30 will bypass IR(Cab) block. In output mode, MG-30 offers 3 band EQ to let you tweak global sound be suitable for current environment.



EXP SETUP

Firstly you can adjust EXP to be independent with patch or related to patch. It means if you choose EXP Ind., you can keep EXP engaged even move to the next patch.

USB ROUTING

Besides USB ROUTING in GLOBAL SETTING, you can adjust USB routing in Quick Tone edit software.

DISPLAY

Adjust the display brightness.

PARA. FOLLOW

If you engage PARA. FOLLOW, while you leave the current efx model, MG-30 will remember the parameters while you choose the model again. If you turn off PARA. FOLLOW, while you choose the efx model, it will use default parameters.

FACTORY DEFAULT

You can recall the factory preset.

USB ROUTING

Besides USB ROUTING in GLOBAL SETTING, you can adjust USB routing in QuickTone edit software.



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Adjust the display brightness.



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If you engage PARA. FOLLOW, while you leave the current efx model, MG-30 will remember the parameters while you choose the model again. If you turn off PARA. FOLLOW, while you choose the efx model, it will use default parameters.



FACTORY DEFAULT

You can recall the factory preset.



GAME

During rehearsal, guitarists always feel bored. No worry, MG-30 has SNAKE GAME for you!

INFO

You can check firmware version and CPU utility.

Specifications

- Input Impedance
Input: 1MO
Return: 220kO
- Output Impedance


Output: 1kΩ

Send: 1kΩ

- A/D Converter: 32bit
- Sampling Frequency: 48kHz
- Frequency Response Range: 20Hz ~ 20kHz
- Dynamic Range: 110dB
- Current Draw: <400mA
- Power: 9V DC negative center
- Dimensions: 313mm(L) x 166mm(W) x 54mm (H)
- Weight: 1.5kg
- specifications and features are subject to change without notice.

What's in the box: MG-30 x 1, Power Adapter x 1, Patch Cable x 1, NMP-2 dual footswitch, USB Cable x 1
(The TRS patch cable is for NMP-2 to EXP1 connection.)

Documents / Resources

	<p>NUX MG-30 Multi Effects Versatile Modeler [pdf] Owner's Manual MG-30, MG-30 Multi Effects Versatile Modeler, Multi Effects Versatile Modeler, Versatile Modeler, Modeler</p>
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