NUX

TS/AC
4K

TSAC-4K Physical Modeling algorithm with seperated Preamp
& Power Amp combination

Quick Start Guide

Amp Academy Stomp

MONARCH Series

Model: **NMA-3AAP**

Copyright

Accuracy

Whilst every effort has been made to ensure the accuracy and content of this manual, Cherub Technology Co., Ltd. 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.

The lightning symbol within a triangle means "electrical caution!" It indicates the presence of information about operating voltage and potential risks of electrical shock.

The exclamation point within a triangle means "caution!" Please read the information next to all caution signs.

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".

Follow all instructions and heed all warnings
KEEP THESE INSTRUCTIONS!

Overview

Thank you for purchasing the Amp Academy Stomp (NMA-3AAP) | Stomp-box Modeler. Based on the Amp Academy from Verdugo series, AA Stomp is the advanced version of Amp Academy with 3 foot-switches in Monarch series.

This is a quick start manual to get you up and running quickly with the AA Stomp. If you are looking for in-depth information, please visit the product page and Facebook discussion group.

3 footswitch Modelers are an up and coming trend in the market. NUX heard your voice, and that's the main reason for creating the AA Stomp. The AA Stomp is an end-to-end tone-shaping Amp Simulator, and independent L/R CYBER IR™ Engine, ushering in a milestone evolution for NUX.

Building upon the acclaimed Impulse Response lineage, AA Stomp adds an independent Pre & Power Amp combination White-box Algorithm Modeling (TSAC-4K), stereo CYBER IR™ Engine, essential Pre-Efx, Dly, Rvb, 1/8" MIDI I/O, and an intuitive PC editor (and mobile APP), empowering players of all walks with apex-level tone in a go-anywhere footprint.

This world-class amp modeling algorithm comes fully loaded with features and functionality. Like their natural counterparts, the amps have HIGH / LOW inputs, four inputs for patch cable jumping, a toggle switch for voicing, and max tweaking.

Independent Pre & Power Amp simulation allows you to create a tone with different vacuum combinations.

The stereo CYBER IR™ Engine drives left and right Cabinets as you want, giving you a wide stereo experience.

For complete ease-of-use, the mobile APP (iOS/Android) and PC Editor (MacOS/Windows) serve as the nexus of your tone-shaping experience; simply hookup your Phone, Tablet, or Desktop and experience a 1:1 integration with every editable parameter in the AA Stomp architecture.

Tonally, everything you demand from a state-of-the-art digital Amp Sim is here; whether it's a thundering high-gain onslaught, a sublime clean primed to serve as the foundation of a pedalboard rig, or a mojo-fuelled Brit-inspired roar, every base is covered. AA Stomp, it's more than our masterpiece: a back-line in your gig bag and a macrocosm of next-level tonal excellence.

Solid live gear. The AA Stomp uses aluminum extrusion chassis, it's solid, strong, built for live performances.

Flexible for live. The AA Stomp comes with 1/4" Send/Return, Stereo Balanced 1/4" Outputs, EXP jack, an additional NMP-2 Lite footswitch, and NBT-1 Bluetooth Module. For the Bluetooth, you can set the phrase loop in the front of signal chain, and use the mobile APP to shape the tone during band rehearsal.

USB Audio Stream. The AA Stomp can also be a powerful USB recording interface.

⚠️ **Warning!!**
In order to offer you the best dynamic range of USB Streaming, the AA Stomp doesn't attenuate the PC's system playback volume. When using the AA Stomp as a USB audio interface, remember to adjust your PC's playback volume from the "minimum" to the desired volume. Take care of your ears.
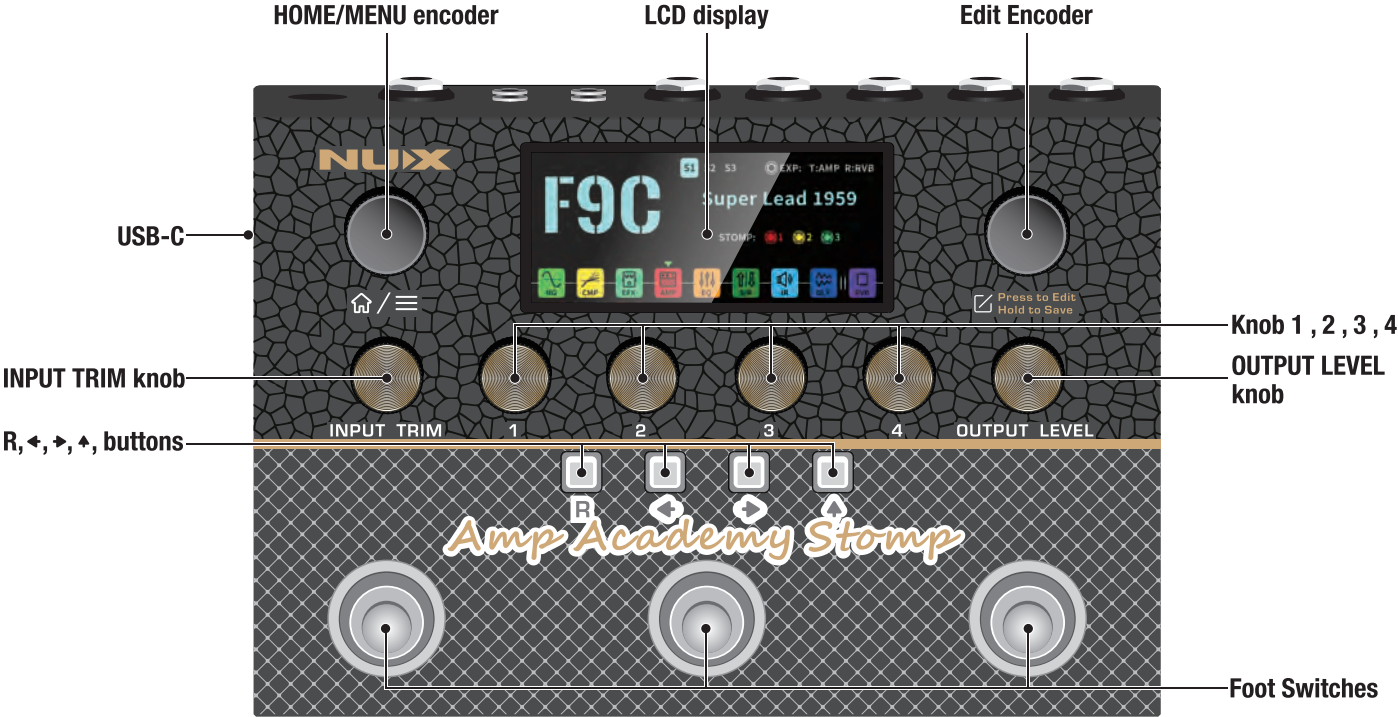
Thank you for choosing the Amp Academy Stomp. Please remember to visit the product page often or Facebook discussion group to get the newest information, firmware, editor version.

Features

- Stereo CYBER IR™ Engine with dual 1024 samples resolution.
- Independent Pre & Power amp simulation with TSAC-4K white-box amp modeling algorithm.
- World-class amp modeling algorithm with full functions. (Like 4 inputs for patch cable jumping.)
- Aluminum extrusion chassis.
- NG, EFX, AMP, I.R., EQ, S/R, DLY, RVB effect blocks with free/parallel routing order.
- 2.86" color LCD display (960*376) with intuitive operations.
- 27 preset slots with 3 scenes, independent L/R 60 IR slots.
- Pre / Post phrase loop for distance tone tweaking. (NBT-1 with APP)
- Footswitch setup, Global EQ, PHONES LEVEL, AUX IN LEVEL, OUT LEVEL, Quick Block, Tuner in global setting.
- USB audio interface, firmware update, PC edit software, NBT-1, …etc.
- USB-C, stereo balanced 1/4" outs, phones out for silent practice, 1/8" MIDI I/O, EXP out with additional NMP-2Lite.
- Great Dynamic Range: 111dB
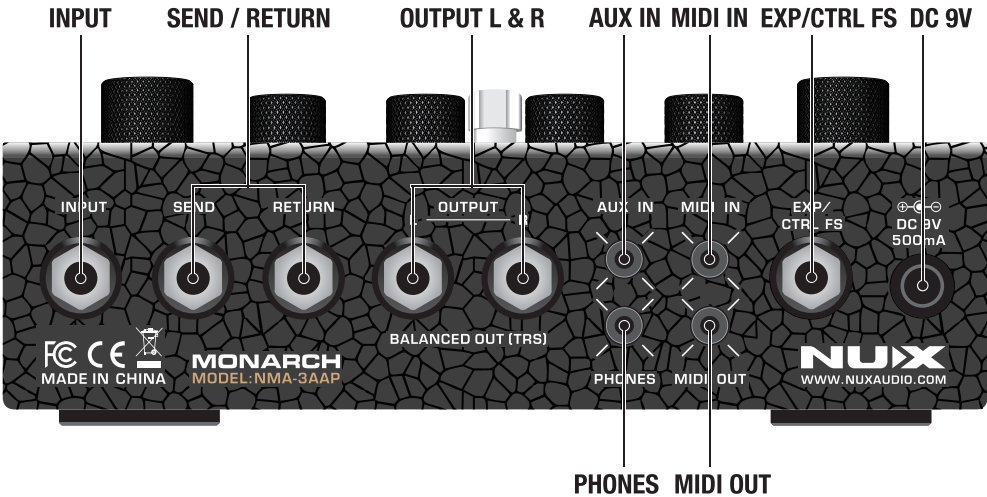- Ultra-low latency: 2ms

Control Panel

Top panel

HOME/MENU encoder   LCD display   Edit Encoder

USB-C

INPUT TRIM knob

R, ◄, ►, ▲, buttons

Knob 1 , 2 , 3 , 4

OUTPUT LEVEL knob

Foot Switches

HOME/MENU encoder
Short press this encoder to switch SCENES (S1→S2→S3). Press and Hold the encoder to enter MENU (Global Setting). Then rotate the encoder to choose the target menu and adjust the parameters.

Under the MENU mode, the R ,◄ ,► ,▲ buttons indicate which parameter knob or switch (1 , 2 , 3 , 4) work under this page.

Under PRESET mode, rotate the encoder to switch to the target PRESET slot.

EDIT Encoder
Press the knob to enter edit mode. Rotate the knob under edit mode to adjust the models related to the selected block. After editing, press and hold the encoder to save the current PRESET or copy the SCENE to the other SCENE.

INPUT TRIM knob
Rotating the INPUT TRIM knob accesses the GLOBAL EQ to adjust the INPUT TRIM immediately.

OUTPUT LEVEL knob
Rotate the OUTPUT LEVEL knob can enter to LEVEL to adjust the OUTPUT LEVEL immediately.

Knob 1 , 2 , 3 , 4
Under the edit mode, rotate the related knob to adjust the parameter.

R, ◄, ►, ▲, buttons
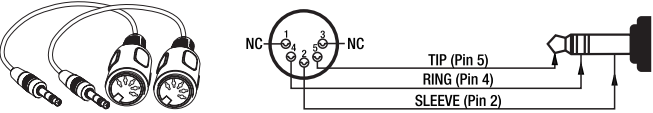Under edit mode, these 4 buttons indicate which parameter knob or switch (1 , 2 , 3 , 4) work under this page.

R = Recall , if you changed the parameters, and want to go back to the initial preset parameters. Press the R button to recall the initial parameters.

◄►: If there are several pages under the current edit block, you can press ◄ ,► to forward or backward the page.

▲: If there are several pages under the current edit block, you can press , to forward or backward the page.

Foot Switches

According to the MENU(GLOBAL) setting, you can use the 3 foot switches as PRESET, SCENE, or STOMP mode.

Under edit mode, the current foot switch indicator shows the related S1 , S2 , S3. You can press the target foot switch to enter to the target SCENE.

USB-C

Firmware update, PC with editor, USB Audio Stream, connect with NUX NBT-1 for Bluetooth MIDI APP control.

Please visit the product page for the related software and firmware.

Front panel

INPUT SEND / RETURN OUTPUT L & R AUX IN MIDI IN EXP/CTRL FS DC 9V

PHONES MIDI OUT

INPUT jack
Connect with guitar signal or Pre-Efx output.

INPUT Impedance: 1M Ω

SEND / RETURN
Connect with the external stomp box.
The SEND impedance: 1K Ω. The RETURN impedance: 1M Ω.

In addition to Serial mode, you can use Branch mode to split the signal through SEND out. (For example, you can put S/R after AMP and before IR, then using Branch mode to split the AMP signal to a combo amp's POWER AMP IN while keeping the AA-Stomp OUTPUT to the PA system with IR signal.)

OUTPUT L & OUTPUT R jacks
OUTPUT L & OUTPUT R jacks: Connect these 2 outputs to active FRFR speakers or PA systems. These 2 outputs support TRS balanced outputs.
OUTPUT L/R Impedance: 100 Ω (Balanced)

⚠️ **Tip:** You can set IR block L/R with different IRs, or none at all. This means you can set one output with NO IR.

AUX IN
Connect to music players or other line-level signal devices for audio input.

AUX IN Impedance: 10k Ω

PHONES jack
Connect your headphone to this output jack.
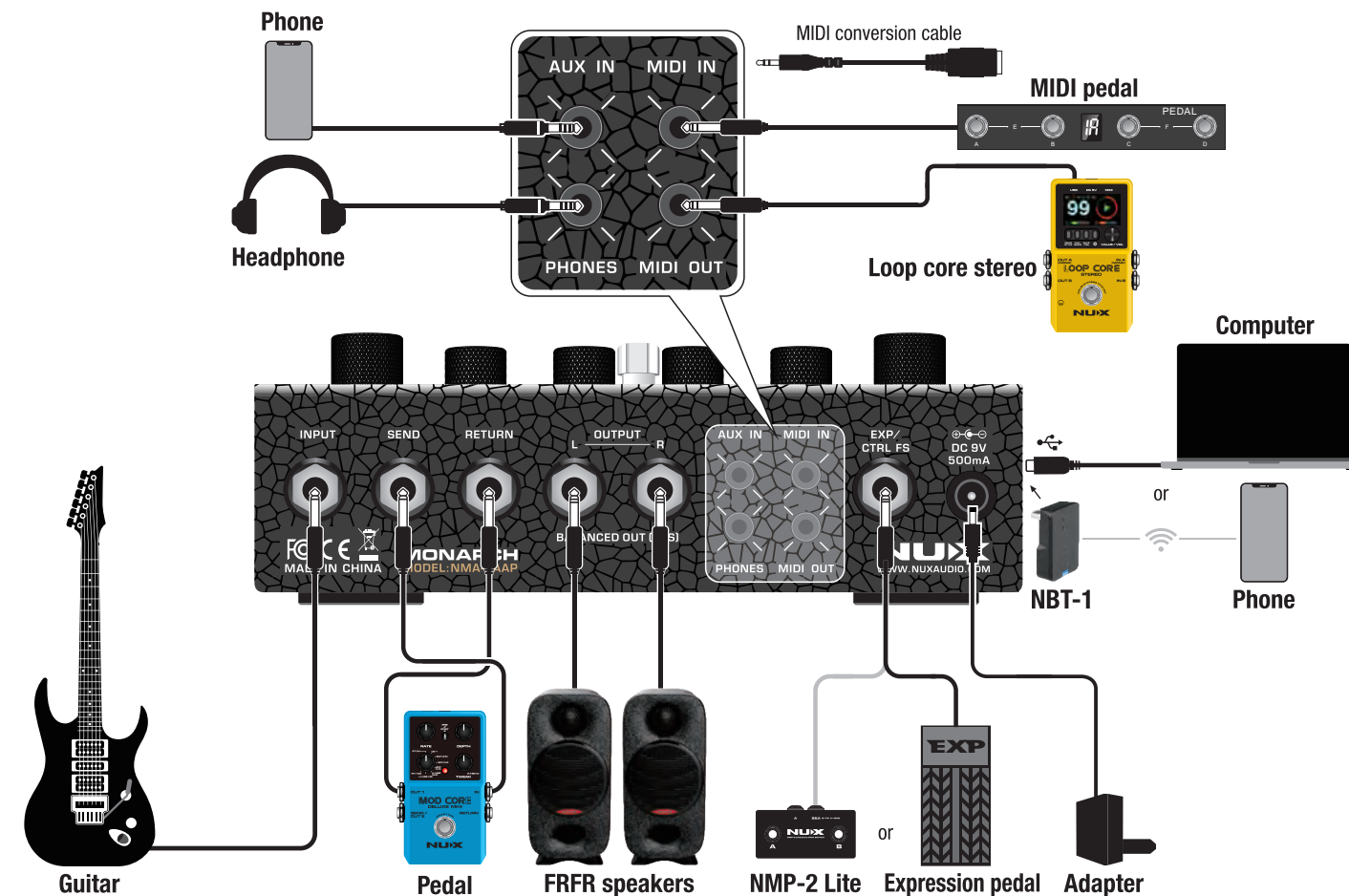
PHONES OUT Impedance: 10 Ω

MIDI IN / MIDI OUT

1/8" MIDI IN & OUT jack
Connect an external MIDI device here. You can find the included 1/8" to 5 pin MIDI adaptors in the giftbox.

NC —
NC —
TIP (Pin 5)
RING (Pin 4)
SLEEVE (Pin 2)

EXP/CTRL FS jack
Connect the external Expression pedal to control the related parameter, or connect the additional NMP-2LITE for external foot switch control.

DC 9V jack
Please connect with 2.1mm negative center 9V / 500mA power supply.

Quick Operation

1.Preset Mode

2.Edit Mode

3.GLOBAL SETTING

For more details, please visit the product page or NUX AUDIO YouTube channel to watch the tutorials.

Common Connections

Phone

Headphone

AUX IN   MIDI IN

PHONES   MIDI OUT

MIDI conversion cable

MIDI pedal

PEDAL

Loop core stereo

Computer

Guitar

INPUT   SEND   RETURN   L   OUTPUT   R   AUX IN   MIDI IN   EXP/CTRL FS   DC 9V 500mA

MADE IN CHINA   MODEL:NMA-5AAP   BALANCED OUT (XLRS)   PHONES   MIDI OUT   WWW.NUXAUDIO.COM

MONARCH

or

NBT-1   Phone

Pedal   FRFR speakers   NMP-2 Lite   or   Expression pedal   Adapter

Specifications

Pedal Type:	Amp Modeling, Multi-FX
Analog/Digital:	Digital
Presets:	27 x Factory, 27 x User
Number of EFX blocks:	9 (NG, CMP, EFX, AMP, EQ, S/R, IR, DLY, RVB)
Impose Responses:	Left & Right, 60 x Factory Cyber IRs, 40 x User IRs
USB:	USB-C for 24-bit / 48kHz USB AUDIO, USB MIDI (PC Editor), firmware update, NBT-1 Bluetooth Module with APP control
Bluetooth:	Additional NBT-1 module with APP control
Expression Control:	Yes, external EXP or additional NMP-2LITE foot switch
Bypass Switching:	Buffered Bypass
Software:	Amp Academy Stomp editor(PC), Amp Academy Stomp APP
INPUT/RETURN Impedance:	1M Ω
AUX IN Impedance:	10k Ω
OUTPUT L/R Impedance:	100 Ω (Balanced)
PHONES OUT Impedance:	10 Ω
INPUT To OUTPUT L/R Dynamic Range:	111 dB
Sampling Rate:	48kHz / 32 bit
System Latency:	2ms minimum
Power:	9V DC (Center Negative)
Current Draw:	< 500mA
Dimensions:	183 (L) x 130 (W) x 65.3(H) mm
Weight:	0.9kg/1.98lbs

Accessories

● Quick Start Guide　　● NMP-2 LITE dual footswitch　　● USB Cable　　● Patch cable　　● MIDI conversion cable　　● Power adapter　　● NUX sticker

*Specifications and features are subject to change without notice.