



Owner's manual

AMP FORCE

Modeling Amplifier Stomp Pedal

www.nuxefx.com



FORCE SERIES

Thank you for selecting the **nux** FORCE SERIES modeling stomp pedal! With many years of research we're proud to give you great guitar tones for your greatest music experience!

Please take the time to read this manual carefully to get the most out of the unit. We recommend that you keep the manual at hand for future reference.

Built upon the TS/AC(True Simulation of Analog Circuit) technology, Amp Force offers twelve warm tube guitar amps sounds in a compact size pedal. With its Dual Engine and A/B output, Amp Force allows you to mix two-amp sounds together and pan it to two outputs. A switchable noise gate, and 12 cabinet models can be applied to any of the modes.

FEATURES

- 12 classic guitar amplifier modeling models with True Simulation of Analog Circuit (TS/AC) technology.
- Dual Engine with A/B channel output.
- 3-band passive EQ and presence control.
- Extra switchable 12 Cabinet simulator.
- Built-in Noise Gate.
- Up to 9 storable user presets plus manual mode.
- 6 dB boost footswitch.
- Easy switching between manual and presets.
- Large color TFT LCD panel(128x128), graphic interface making the overall operation easy and intuitive.
- New generation 32-bit DSP, high performance 24-bit 44.1kHz AD/DA convert.
- Input/output Sensing circuit select optimized routing automatically.
- Buffered or True Bypass.
- Runs on 9 V battery and/ or AC adaptor.

Copyright

Copyright 2012 Cherub Technology Co. All rights reserved. NUX and AMP FORCE are trademarks of Cherub Technology Co. Other product names modeled in this product are trademarks of their respective companies that do not endorse and are not associated or affiliated with Cherub Technology Co.

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.

CAUTION: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of 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.



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

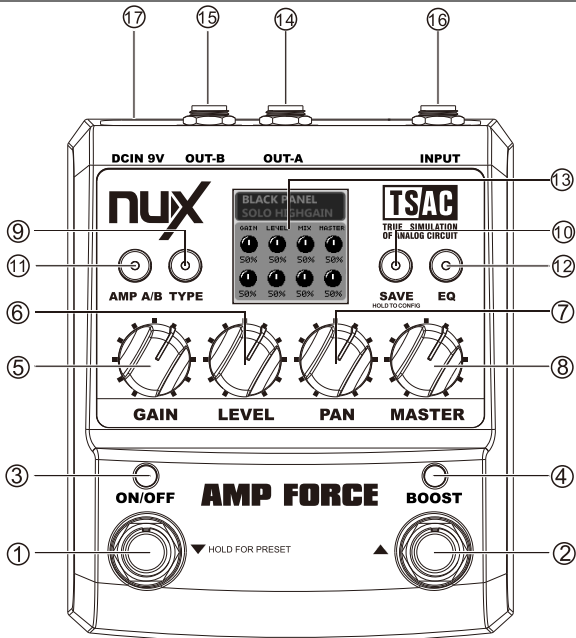


The exclamation point within a triangle means "caution!" Please read the information next to all caution signs.

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!

FRONT VIEW



1.ON/OFF Switch

This footswitch is used to turn effects on/off in manual and preset mode. To switch between the two modes, press and hold this footswitch for more than 2 seconds.

2.BOOST (Preset) Switch

In manual mode, press this footswitch to boost the signal level 6dB (double the volume). In preset mode, increments the presets

3.ON/OFF LED

Indicates the status of the effect.

4.BOOST LED

Indicates the status of boost.

5.GAIN

This knob controls the amount of gain of each model. When in the EQ section, this knob controls the Bass.

6.LEVEL

This knob controls the output level of each model. When in the EQ section, this knob controls the mid-range frequencies.

7.PAN

When both outputs are used, you can set a ratio of the signal sent to OUT-A and OUT-B. Turn the PAN knob to 0, the effect signal will be sent to OUT-B. Turn the PAN knob to 99, the effect signal will be sent to OUT-A. With the dual engines of AMP FORCE, you can set a mix between the signal of Drive A and Drive B. When set correctly, this will sound as if you are playing through both amps simultaneously.

When you are in the EQ section, this knob adjusts the Treble.

8.MASTER

Use this knob to control the master volume of the pedal. When in the EQ section, this knob controls Presence. (an extra EQ control that allows, you to cut or boost the very highest frequencies, above the range of the treble controls).

9.TYPE

Press TYPE to scroll through the twelve amp models.

10.SAVE

Press this button to activate the save function. The LCD display will be switched to the SAVE interface. See Preset Saving/Recall function below.

11.AMP A/B

Press to alternate between AMP A and AMP B. The LED in the button indicates you are in the AMP B.

12.EQ

Press EQ to adjust the tone of the amp models.

Amp Force has modeled the special features and characteristics of a variety of amplifiers. The Bass, Mid and Treble knobs influence one another, an attribute considered normal and desirable in a tube amp.

There is also a presence control for ultra high frequency boost or cut.

13.LCD display

AMP Force has a dot matrix LCD that displays all effect parameters and the preset number.

14.OUT-A Jack

Connect Amp Force OUT-A to the guitar amp's input.

15.OUT-B Jack

Connect Amp Force OUT-B to the guitar amp's input.

16.INPUT Jack

Connect your guitar to Amp Force's INPUT

17.POWER IN

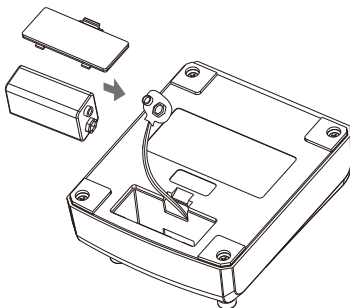
AMP Force requires 9V DC/300 mA with center negative. Use a power supply with identical specifications.

INSTALLING BATTERIES

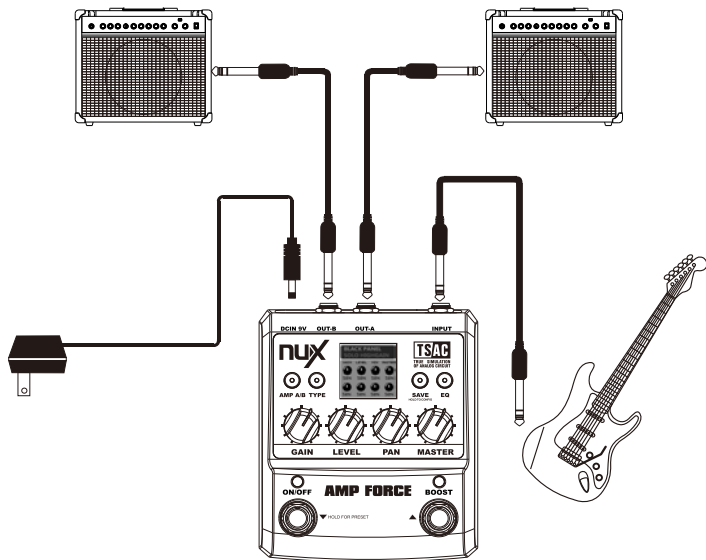
A 9V battery is supplied with the unit. The life of the battery may be limited, however, since its primary purpose is to enable testing.

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

1. Remove the old battery from the battery housing, and remove the snap cord connected to it.
2. Connect the snap cord to the new battery, and place the battery inside the battery housing.
3. When the battery runs down, the sound gets distorted. If this happens, replace with new battery.
4. Battery life can vary depending on battery type.
5. The power comes on when you plug into the INPUT jack.
6. The use of an AC adaptor is recommended as the unit's power consumption is relatively high.



CONNECTIONS



Power ON/OFF

Inserting a plug into the INPUT will automatically switch the unit on.

To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.

Once the connections have been completed, turn on power to your various device in the order specified below. By turning on device in the wrong order, you risk causing a malfunction and/or damage to speakers and other devices.

When powering up: Turn on the power to your guitar amp last.

When powering down: Turn off the power to your guitar amp first.

TWEAK YOUR TONE & FORGET IT

● Manual mode

When your first apply power to the Amp Force, it powers up in manual mode providing access to all parameters of effect.

When you are in manual mode, the LCD displays the current effect model's name and control knobs. You can modify all the parameters, select models and save settings to a preset.

Use the four knobs to modify the parameters of current effect. Press TYPE to choose the effect model you want to use in AMP A or B. Press AMP A/B to choose the current effect.

Press EQ to adjust 3-band EQ and presence parameters. Press EQ again to return to the effect adjusting display.

● Preset mode

Press and hold the left footswitch for 2 seconds to switch from manual to preset mode, or return to manual from preset mode.

In preset mode, pressing the right footswitch will increment the preset numbers. When the preset numbers reach the end, they go back to the first preset. The default, Preset range is P1-P9, but you can select the preset range: P1-P3, P4-P6, P7-P9 and P1-P9. This convenient feature makes it easier to recall different presets in different situations.

In preset mode, press TYPE to display and adjust the parameters of the current effect. The preset number will display after 2 seconds.

● Preset Saving/Recall function

Press SAVE to save your settings to any of the 9 preset locations P1-P9. The following steps outline the procedure for saving changes to a preset.

1. Use the Right footswitch to select the User preset location where your new sounds will reside.
2. Press SAVE to save the changes.
3. If you don't want to save any changes, press EQ to exit the SAVE procedure.
4. Press and hold ON/OFF for 2 seconds to exit Preset mode .

BREAK THE SHELL

CONFIGURATION

Press and hold SAVE for 2 seconds to enter CONFIGURATION. The bottom of the LCD displays the four buttons (AMP A/B, TYPE, SAVE and EQ) you will use to navigate the table.

While in CONFIGURATION you can adjust the following:

SETTING	MODE	DESCRIPTION
NOISE GATE	ON/OFF	Turn on/off noise gate and set levels
CABINET	ON/OFF	Turn on/off cabinet simulation
P.(PRESET) RANGES	1-3 4-6 7-9 1-9	Set the range of presets.
POWER ON	MAN/ PRE	Set the start mode in manual or preset when powering on the unit.
BYPASS	TRUE/FET	TRUE: True bypass. FET: Buffered bypass.

In CONFIGURATION, four buttons have different functions:

- AMP A/B scrolls down the list (Noise Gate, Cabinet, etc.)
- TYPE is used for selecting options on the left side of the list.
- SAVE is pretty powerful. You use it to get into the CONFIGURATION screen and to get out when you are done. Oh, you can save your settings, too.
- Press EQ to select the options on the right side of the list. In Noise Gate and Cabinet options, it also used for entering the next setting interface.



NOTICE: *TRUE BYPASS has better Signal to Noise Ratio and FET BYPASS can better protect from unwanted disturbances. If the effect is on the first part of the effect chain, you can choose FET BYPASS; if the effect is in the middle of the effect chain, you can choose TRUE BYPASS. Certainly, the final choice depends on your ears.*

Noise Gate

Select Noise Gate in the CONFIGURATION screen. Press EQ to turn it ON and to enter the screen to adjust the Noise Gate parameters. Each channel can set noise gate parameters separately. GAIN and LEVEL control the noise gate parameters of AMP A, PAN and MASTER control the noise gate parameters of AMP B:

- THRE (THRESHOLD) Controls the threshold of the gate. The threshold parameter determines the volume below which the signal will be attenuated. When the signal drops below the THR, the gate kicks in.
- DAMP (DAMPING) Controls how much of the signal should be reduced when it goes below the threshold (THR) point. The idea is to get rid of noise, not create a new effect; so be careful to adjust DAMP so that it does its job smoothly and without a "pumping" sound

Press SAVE to exit NOISE GATE.

Cabinet settings

Press EQ to open the list of cabinets. Use AMP A/B to scroll down the list, or EQ to move to the right column. Once your choice is highlighted, press and hold SAVE until the Preset number stops flashing to save and return to the CONFIGURATION screen.

MODE	SPEAKER MODEL
JAZZ 2*2	Based on 2x12" Roland® JC-120
BLACK 112	Based on 1x12" Fender® Deluxe Reverb
TWEED 112	Based on 1x12" Fender® Tweed Deluxe
BSMAN 410	Based on 4x10" Fender® 59' Bassman®
TWIN 212	Based on 2x12" Fender® Twin Reverb
BLUE 212	Based on 2x12" VOX® AC30TB
MATCH 112	Based on 1x12" MATCHLESS 30W
GREEN 4*12	Based on 4x12" Celestion® 25W
V30 4*12	Based on 4x12" Celestion® Vintage 30's
T75 4*12	Based on 4x12" Celestion® G12-T75
RECT 4*12	Based on 4x12" MESA BOOGIE® Slant
CALI 1*12	Based on 1x12" MESA BOOGIE® Mark IV

Press SAVE to exit CABINET

SETTING P. RANGE

Press TYPE or EQ to scroll through the range choices of your Presets: P1-3, P4-6, P7-9 or P1-P9. Choose wisely as you cannot easily change this setting during a performance, that is (See Setting POWER ON). For example, if the preset you want is not in the range you set, you have to get back to the CONFIGURATION screen and change either the Preset Range or the POWER ON setting to MAN (manual).

SETTING POWER ON

Press AMP A/B until POWER ON lights yellow. Press TYPE or EQ to switch between MAN or PRE. MAN allows you to use the pedal like you just took it out of the box. PRE accesses your PRESETS. If you select PRE, make sure you have access to the range you need (See Setting P. RANGE). If the preset you want is not in the range you set, you have to get back to the CONFIGURATION screen and change either the Preset Range or the POWER ON setting to MAN (manual).

SETTING BYPASS

Press AMP A/B until you reach BYPASS. Select the type of BYPASS you need. If you are using many pedals in a chain, you may want to set the first few pedals to FET (Buffered) BYPASS. If you are using the AMP Force alone, or with a couple other pedals, you may want to use TRUE BYPASS. Rely on your ears to tell you if the sound is degraded by one setting and sounds better with the other.

RESTORING THE FACTORY SETTINGS



NOTE: If you do this, saved presets will be completely erased, and will be reset to the factory settings.

NOTE: Effect and noise reduction settings made in the Manual mode will also be erased.

NOTE: Never turn off the power while initialization is taking place.

Here's how you can restore the factory settings.

1. Turn the power off.
 2. While holding down SAVE, insert a plug into the INPUT to turn the power on. The restore screen appears. Press ON/ OFF to restore the factory settings or BOOST to exit without restoring anything.
-

CRAZY LITTLE THING CALLED VINTAGE

12 guitar amp models Amp Force modeled

1. JAZZ CLEAN

This Amp Model is modeled after the classic Roland® JC-120. It'll give you an essentially flat response, providing a balanced tone across the fret board for jazz chord melodies or single-line phrasing.

2. BLK PANEL

This amp model is modeled on the normal and bright channels of a Fender® Deluxe Reverb. With single coil pickups guitar, BLACK PANEL is capable of producing classic blues tone.

3. BLUES MAN

This models the sound of a Fender® Bassman, the classic, vintage tube amp. It has the fat bottom end you'd expect from a bass amp, but also has the Fender® twang on the top. It is also very sensitive and responsive to both picking strength and the volume setting on your guitar.

4. CLASS 30A

This amp model is modeled on the VOX® AC 30TB. The unique character of the sound can be attributed to the fact that Class A amps overdrive in a very different way than Class AB.

5. CRUNCH US

This is based on a Mesa Boogie® Mark IV. It's basically an amp that's added a master volume and more gain stages to amps with Fender®-style circuitry. You can hear the Fender® style tone but with more "punch" in the mids.

6. PLEXI FACE

This model is based on a Marshall® original design JTM45. The JTM45 is inspired by the early Fender® Bassman. So, if you like a Bassman you'll want to check out PLEXI 45W.

7. SUPER FACE

This is based on channel 1 and 2 of a Marshall® Super Lead 100W. This amp has an incredibly rich and warm tone; Turn the GAIN control all the way up and get an organic overdrive.

8. T800

This amp model is modeled on the high input of a Marshall® JCM800. This amp was responsible for the fat, roaring sound that dominated 80's hard rock and heavy metal bands.

9. SOLO 100

This is modeled on the lead channel of a Soldano® SLO100. It's capable of a powerful, heavily saturated sound that combines an open low-end with compressed mids and highs. The result is a tone that remains focused and well defined at even the most extreme gain settings.

10. DUAL RECT

This model is based on the Mesa Boogie® Dual Rectifier Solo Head. A ultra high gain and deep low end has made this all tube amp a mainstream for many modern, big metal sound. It's tone controls have more influence at high gain settings, so you can scoop the mids and increase the bottom end that nu-metal likes.

11. SS SONIC

This model is based on a modern solid state guitar amplifier. 3-band active tone control makes this monster an aggressive weapon.

12. BIG METAL

Not based on any particular model! Just tons of gain and deep low end!

SPECIFICATIONS

● Effect types:	12 modeling guitar amp models
● Presets:	Up to 9 storable user presets plus manual mode
● Sampling Frequency:	44.1 kHz
● A/D converter:	24-bit
● Signal Processing:	32-bit
● Frequency response:	20Hz-20000Hz ± 1dB
● THD+N:	93dBu (<0.003%) A-Weighting
● Dynamic Range:	100dB
● INPUT:	-20dBV@1Mohm
● OUTPUT:	-10dBV (Output load impedance of 10k or more)
● Display:	128x128 TFT
● Power:	9V DC (9V Battery, ACD-008A Adapter)
● Dimensions:	125(L) x 108(W) x 57(H)mm
● Weight:	390g

PRECAUTIONS

- Environment:
 - 1.Do NOT use the tuner in high temperature, or high humidity, or subzero environments.
 - 2.Do NOT use the tuner in the direct sunlight.
- Please do NOT disassemble the tuner by yourself.
- Please keep this manual for future reference.

ACCESSORIES

- Owner's manual
- 9V battery

THE FCC REGULATION WARNING (for U.S.A.)

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.

CE mark for European Harmonized Standards

CE Mark which is attached to our company's products of Battery mains the product is in fully conformity with the harmonized standard(s) EN 61000-6-3:2007+A1:2011 & EN 61000-6-1:2007 Under the Council Directive 2004/108/ EC on Electromagnetic Compatibility.