NUX

STOMPBOX



User's Manual

TS/AC HD
White-Box Amp
Modeling algorithm

Core Deluxe MKII
Core deluxe series upgraded version

3 HIGH GAIN AMP MODELS

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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.

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!

Overview

The NUX METAL CORE DELUXE MKII is a high gain preamp pedal with 3 different high gain amp models including Duo Rect, Fireman, and VH4. You can switch the models via the 3-way toggle switch. Press and hold the footswitch, it will enter to ALT mode (the LED indicator will flash ORANGE..) for further parameter tweaking like Presence(Treble), Threshold(Gain), Decay(Master). Press the footswitch again quickly to quit ALT mode. If you're playing without an amp, not to worry, you can engage the IR signal for cab emulation. To engage the IR without USB connection, hold the foot switch while plugging in the power supply. If the IR is engaged, the LED indicator will flash GREEN 3 times. If the IR is disengaged, the LED indicator will flash RED 3 times.

The **Duo Rect** is based on the Mesa Boogie Dual Rectifier. The typical 90's American metal sound with the iconic metal front panel that reminds you countless classic records, from metal to punk to grunge, including Metallica, Tool, Korn, Soundgarden, Foo Fighters and Blink 182.

The **Fireman** is based on the Firedman BE-100, the man behind the signature tones of rock icons including Eddie Van Halen, Steve Stevens and Jerry Cantrell. For over a decade the "BE" circuit has been hailed as the epitome of British tone.

Based on the Diezel **VH4,** which revolutionized the industry with its 4-Channel and individual inserts design. This amp covers a wide range of tone. It has a thick, articulate and “meaty” sound, that is loved by many heavy players. But because of its flexibility, the VH4 is used in many recording studios all over the world.



You can load your own favorite 3rd party IRs via the MetalCore editing software. Please visit the product page and download the editor. (METAL CORE DELUXE MKII supports 512 samples IR resolution.) The MetalCore editing software will convert the IR format automatically, just make sure that your IR file is in WAV format.

** All of the brand and model names mentioned on this page are Trademarks of their respective owners, which are in no way associated or affiliated with NUX Effects and Cherub Technology Co., Ltd.*

Operation

Control Panel



I/O Jacks



EQ knobs



Adjusts the related EQ parameters: Bass controls the low-end response. Mid controls the middle frequency response. Treble controls the high-end response.



Press and hold the footswitch to enter to Alt mode, at which point the Treble knob becomes Presence to control the super high frequencies.



Short press the footswitch again to quit Alt mode.

Gain knob



Adjusts the distortion level.

In Alt mode, the Gain knob becomes Threshold parameter of the Gate.

Master knob



Adjust the output level.

In Alt mode, the Master knob adjusts the Decay parameter of the Gate.

Model toggle switch



You can choose your desired Amp Model via the 3-way toggle switch.

Footswitch & FS Indicator



Press once to engage/disengage the effect. The LED indicator will show RED as engaged, and OFF as disengaged.

Press and hold the footswitch, the LED indicator flashes ORANGE, the pedal enters to Alt mode. Short press and release the footswitch to quit Alt mode.



Engage/Disengage the IR

Without USB connection, hold the footswitch while plugging in the power supply to boot-up the pedal. If the LED indicator flash GREEN 3 times, the IR is engaged. If the LED indicator flashes RED 3 times, the IR is disengaged.

DC jack



9V Negative Tip power with more than 150mA. (The power consumption is less than 120mA.)

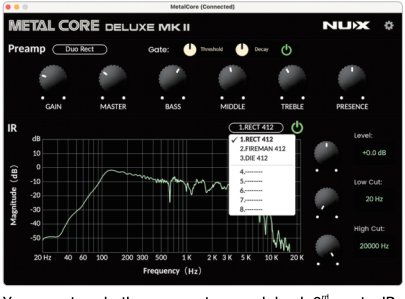
USB-C port



The USB-C port is for firmware update. Connect USB cable to a PC and hold the footswitch to boot-up the device and to enter the DFU (Device Firmware Update) mode. Once connected you can do firmware updates using DFU updater software.

You can download the related firmware and firmware update guide from product page.

MetalCore editing software:



You can tweak the parameters and load 3rd party IRs through MetalCore editing software. Connect the USB cable to the pedal and PC, open the editing software, it's easy to operate. The editing software will convert the IR format automatically, just make sure that the IR is in WAV format. METAL CORE DELUXE MKII offers you 5 user slots to load 3rd party IRs. (4~8) It supports 512 samples resolution. (You can load longer IR file with no doubt.)

Core Deluxe MKII

In jack



Connect the cable from guitar side.
It supports mono input. (Use 1/4" TS plug.)

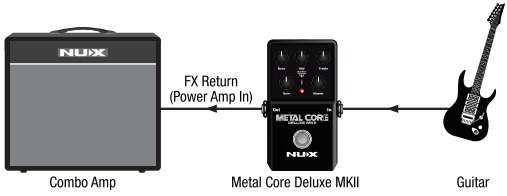
Out jack



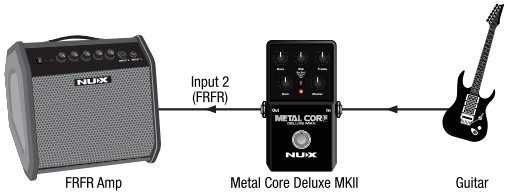
Connect the output signal to amp side.
It supports mono output. (Use 1/4" TS plug.)

Connections

1. METAL CORE DELUXE MKII as Preamp without IR.



2. METAL CORE DELUXE MKII as Amp Sim with IR to FRFR Amp.



NOTE: This is mentioned several times in the manual already.

Core Deluxe MKII

Features

- 3 high gain Amp Models in the compact enclosure.
- Duo Rect: Based on Mesa Boogie Dual Rectifier.
- Fireman: Based on Firedman BE-100.
- VH 4: Based on Diezel VH4.
- IR out for amp-less application. (512 samples resolution)
- True-bypass.
- Parameters auto saving into 3 models.
- Low power consumption. (less than 120mA)
- TSAC-HD modeling offers realistic playability and response.

Specifications

- Input Impedance: 1MΩ
- Output Impedance: 1kΩ
- Dynamic Range: 104 dB
- DSP Processing: 48kHz / 32-bit
- A/D D/A Sampling Rate: 48kHz / 24-bit
- Power: 9V DC(Negative tip, Optional ACD-006A adapter)
- Current Draw: 120mA
- Dimensions: 122mm(L) x 72mm(W) x 47mm(H)
- Weight: 270g

* Specification may change without notice.

Accessories

- Owner's manual
- NUX sticker

Warning

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

FCC Warning

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

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