NUX

STOMPBOX



User's Manual

CORE IMAGE

Core Deluxe MKII
Core deluxe series upgraded version

Mod Pedal

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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 MOD CORE DELUXE MKII is a modulation pedal with 8 different modulation types including ST.CH (Stereo Chorus), CE-1, SCF CHO, SCF FLG, SCF P.M., U-VIBE CHO, U-VIBE VIB and PH-100. You can switch the mod types by way of the rotary switch.

The MOD CORE DELUXE MKII offers advanced signal routing with the included Send and Return. Easily split the mono signal to create customized effect loops! Additionally, you can parallel the 2 signals, and use the Tweak knob in Alt mode to blend the signals. Use the 3-way toggle switch to the desired position, and you are good to go. **Note:** Please follow the connections, the relay will offer you correct sound with correct applications.

ST.CH (Stereo Chorus) is inspired by the MXR® Stereo Chorus, which is gorgeous sounding. We've consolidated the controls by eliminating the bass and treble knobs, now internally set at middle position, and we 've eliminated the need for the bass filter altogether, which is now automatically corrected through the advancements of Core-Image™ sound modeling.

CE-1 is based on the legendary BOSS® CE-1 which was the first chorus effect pedal on the scene in 1976. Before that, it was only available as a built-in effect on a classic jazz amplifier. MOD CORE DELUXE MKII exactly replicates the characteristic of this pedal; that special warmth of a rich jazz atmosphere, an immediate recognizable highlight to any musician's tone.

SCF tributes to TC Electronics' Stereo Chorus Flanger, one of the best modulation pedals ever made since 1976.

SCF CHO: A chorus is basically a pitch generator which mixes multiple delay signals. When the multiple delay signals are mixed with the original signal, a soft and wide sounding modulation effect is created.

SCF FLG: A flanger is based on the same principle as a chorus, although here the signal can be regenerated (like adding feedback on a delay) creating a more distinctive sounding effect.

SCF P.M.: A combination of chorus and pitch vibrato which creates a “light” chorus sound.

U-VIBE is inspired by Dunlop® Uni-Vibe® for its stunning sound. Old-school Uni-vibe delivered its huge 3D sound by simulating the physical Rotating Speaker Effect; that beautiful and unforgettable sound easily associated with Hendrix's bending facial expressions in his 60s stage performances.

U-VIBE CHO: Depth will change the depth of the sweeping effect.

U-VIBE VIB: Depth will change the degree of pitch modulation.

PH-100 is based on MXR® PHASE 100 which has both a Speed control and a 4-waveform Intensity control, the Phase 100 offers a broad range of sounds.

* *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.*

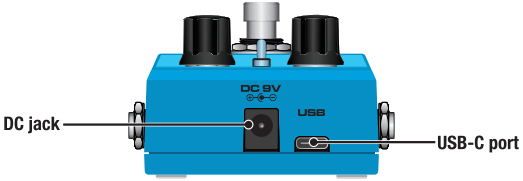
Core Deluxe MKII

Operation

Control Panel



I/O Jacks



RATE knob



Adjusts the speed.

DEPTH knob



Adjusts the sweep range.

Modulation Type knob



Selects the type of modulation.

Note: PH-100's original reference only has 2 parameters, so the Tweak knob has no function in PH-100 model.

TWEAK knob



In ST.CH / CE-1 / SCF CHO / SCF FLG / SCF P.M. / U-VIBE CHO / U-VIBE VIB modes, Tweak knob adjusts the mix level of modulation. In PH-100, cause the original reference doesn't have mix level, the Tweak knob has no function.

Under advanced routing, while the toggle switch is at // (parallel) position. You can press and hold the footswitch to enter to Alt mode. The Tweak knob becomes Blend function to adjust the mixing rate of Modulation effect signal and Send/Return signal. (Counterclockwise gets more Send/Return signal, clockwise gets more Modulation signal.)

Toggle switch



Note: The toggle switch only works in advanced routing. (For normal routing, the toggle switch has no function.)

Toggle the switch to desired position to choose the routing. PRE means Modulation effect goes before the Send/Return loop. // (Parallel) means Modulation effect and Send/Return loop are parallel. POST means

Modulation effect goes after the Send/Return loop. You can check the Connections to experience the magic of routing.

Footswitch & FS Indicator



Press once to engage/disengage the effect. Press twice, it will become Smart Tap Tempo. The Rate is related to tap tempo. (The FS indicator will flash as current BPM.)

While the effect is engaged, the FS indicator will show “Red”. While the effect is disengaged, the FS indicator will turn off.



Note: The tap tempo range is 50~200 BPM.

In advanced routing with // (parallel) mode, press and hold the footswitch to enter to Alt mode. The LED indicator will flash ORANGE. The Tweak knob becomes Blend parameter, counterclockwise to increase Send/Return loop signal, clockwise to increase Modulation effect. Short press the footswitch to quit Alt tweaking.

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.

IN jack



The audio inputs on the right side of this pedal are standard 1/4" jacks (mono/TS). Connect your guitar to the In (mono) audio input on the right side of your pedal using a regular 1/4" instrument cable.

For the Mono/Stereo connection applications, please check the Connections.

RETURN jack



In advanced routing, connect the Pre-effects like OD/Dist output to the Return jack.

For the advanced routing, please check the Connections.

OUT jacks



Normal routing:

The audio outputs on the left side of this pedal are standard 1/4" jacks (mono/TS). Connect the audio output of Out 1 to the next device in the signal chain, either with a single cable or with a pair of 1/4" cables if both Out 1 and Out 2 are used.

For the Mono/Stereo connection applications, please check the Connections.

Advanced routing:

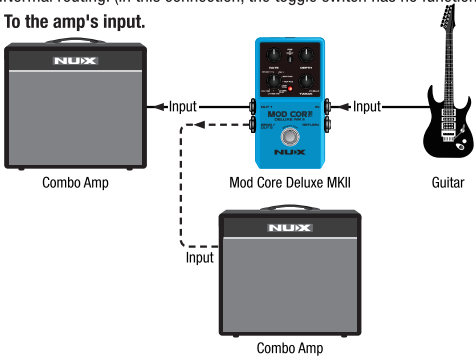
Out 1 sends the modulation effect out. Send out sends the loop signal out.

For the advanced connection applications, please check the Connections.

Connections

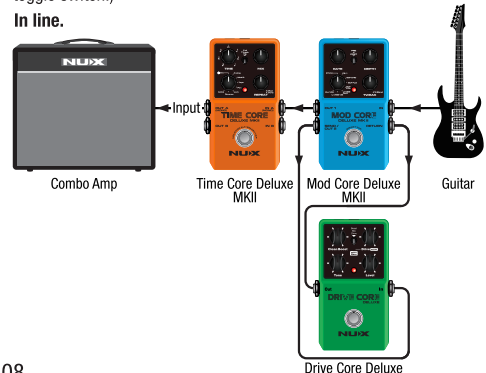
1.Normal routing: (In this connection, the toggle switch has no function.)

To the amp's input.

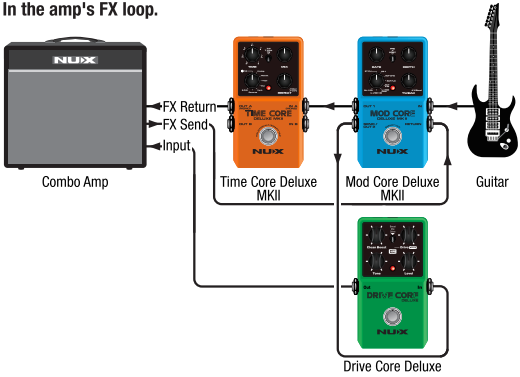


2.Advanced routing: (You can assign PRE, // PARALLEL, POST through the toggle switch.)

In line.



In the amp's FX loop.



Features

- 8 modulation types in the compact enclosure.
- ST.CH (Stereo Chorus), CE-1, SCF CHO, SCF FLG, SCF P.M., U-VIBE CHO, U-VIBE VIB and PH-100.
- ST.CH is based on MXR® Stereo Chorus.
- CE-1 is based on BOSS® CE-1.
- SCF is based on TC Electronic® SCF Stereo Chorus Flanger.
- U-VIBE is based on Dunlop® UV-1 Uni-Vibe Chorus / Vibrato.
- PH-100 is based on MXR® Phase 100.
- Normal routing(mono out or stereo out) and advanced routing(PRE, // , POST).
- Parallel routing offers Blend parameter.(Alt tweaking, Tweak becomes Blend parameter.)
- Smart Tap Tempo. (50~200 BPM)
- Low power consumption. (less than 120mA)
- Analog dry signal for low noise and zero latency.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Core Deluxe MKII

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