

NUX

STOMPBOX



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Made in China

User's Manual




Core Deluxe MKII
Core deluxe series upgraded version



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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.

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

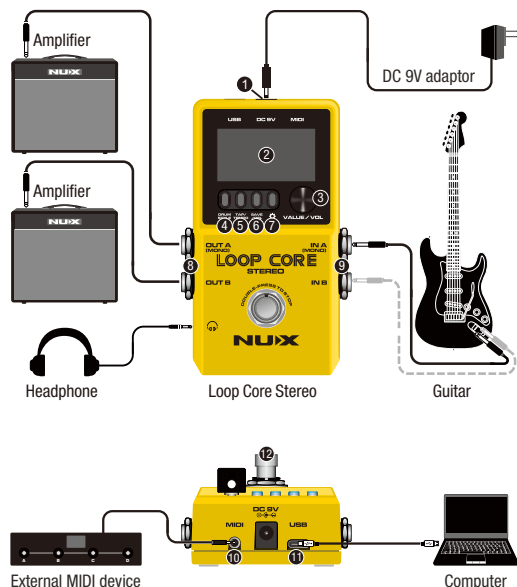
Thanks for choosing the NUX LOOP CORE STEREO pedal!

The NUX LOOP CORE STEREO features a high-definition color LCD display, stereo inputs/outputs, and a MIDI control input. It allows you to create music phrases and play back as stereo loops! Whether you practice, compose, or play live gigs, you will get inspired by this well-designed loop pedal!

Features

- All new design with a high-definition color LCD display
- Up to 6 hours recording time (Stereo)
- 99 User memories
- Built-in rhythm tracks with 50 patterns Split out for two amplifiers
- Cab simulation for output to mixer
- Built-in MIDI control
- Sampling Rate: 44.1 kHz
- A/D Converter: 24bit
- Signal Processing: 32bit floating
- Input: Mono/L/R
- Outputs: Mono/L/R/Phones

Control Panel & I/O Jacks



1 Power jack	5 TAP / TEMPO button	9 INPUT jacks
2 TFT LCD	6 SAVE / DEL button	10 MIDI OUT / IN
3 VALUE / VOL knob	7 SETTING button	11 USB port
4 DRUM STYLE button	8 OUTPUT jacks	12 Footswitch

How to use

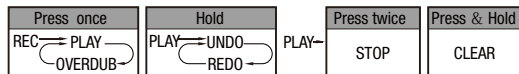
Footswitch



>>>start to record>>>



Power on the Loop Core Stereo pedal, rotate the VALUE knob to select an empty memory from 01 ~ 99, then you can press the footswitch to record/play/dub your phrases. You can also hold the footswitch to UNDO/REDO/CLEAR your phrases.



Buttons & display



DRUM STYLE button



TAP / TEMPO button



SAVE / DEL button



SETTING button

	DRUM STYLE button Press it to turn ON/OFF the drum. Hold it to select drum style.
	TAP / TEMPO button Press it to TAP. Hold it to adjust the tempo.
	SAVE / DEL button Press it to save the current phrases to a memory. Hold it to delete an exist memory.
	SETTING button Press it to enter to the system setting.

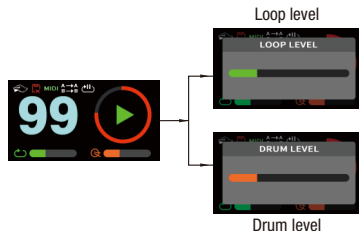
VALUE/VOL knob



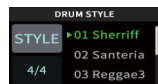
1.To select the current memory from 01~99 or adjust parameters.



2.When you are working on phrases or practicing, press it once/twice to adjust the volume of Loop/Drum.



3. Press a button to enter DRUM STYLE / TEMP / SAVE DATA / DELETE DATA / SETTING, then you can adjust parameters or select an item in settings by rotating the VALUE knob, or confirm a setup by pressing the VALUE knob.



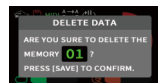
DRUM SYLE



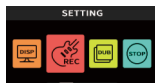
TEMPO



SAVE DATA



DELETE DATA



SETTING

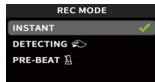
Setting

1. Display setup



Here you can set up the brightness of the LCD display and the boot-up picture.
*Please check "Customize your own Boot-up picture" for more information.

2. REC mode setup

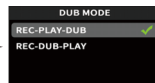


INSTANT: Press the foot switch and start to record instantly.

DETECTING: Press the foot switch, it starts to record when it detects any signal from the input. In this mode, the icon will be shown in the LCD display.

PRE-BEAT: Press the foot switch, it starts to record after counting 4 beats(tempo sets on 4/4) or 3 beats(tempo sets on 3/4). In this mode, the icon will be shown in the LCD display.

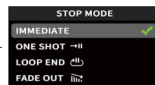
3. DUB mode setup



REC-PLAY-DUB: Press the foot switch to record a phrase, it works in a logical order by Record-Play-Dub.

REC-DUB-PLAY: Press the foot switch to record a phrase, it works in a logical order by Record-Dub-Play.

4. STOP mode setup



IMMEDIATE: Double-press the foot switch to stop playing immediately.

ONE SHOT: To play the loop phrase for only one time and then stop playing. In this mode, the icon will be shown in the LCD display.

LOOP END: Double-press the foot switch, then it will stop playing at the ending of this loop. In this mode, the icon will be shown in the LCD display.

FADE OUT: Double-press the foot switch, then it will fade out and stop playing in a few seconds. In this mode, the icon will be shown in the LCD display.

5. AUDIO PATH setup

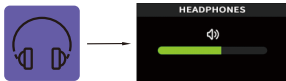


STEREO IN/OUT: For mono/stereo input and connecting to one or two amplifiers.

SPLIT IN/OUT: To split the guitar signal and drum machine signal to OUT A & OUT B dividually. In this mode, the icon will be shown in the LCD display.

SPLIT TO MIXER: To split the guitar signal and drum machine signal to OUT a & OUT B dividually, and also turn on frequency compensation function to get a better sound for the OUT A. In this mode, the icon will be shown in the LCD display.

6. HEADPHONES VOLUME setup



Here you can turn up/turn down the volume of headphones.

7. RESET



Here you can restore all preset to factory setting and clear all user's data. Before you confirm to reset the pedal, please make sure that you have already had a backup for all phrases in this pedal.

Connections

Here we list 4 possible applications of the Loop Core Stereo pedal.

Application 1

Mono in & mono out.

This is the most common way how guitar players uses loop pedal. Plug in a guitar to the Loop Core Stereo pedal and directly output to a guitar amplifier. In this case, please set the AUDIO PATH as below.

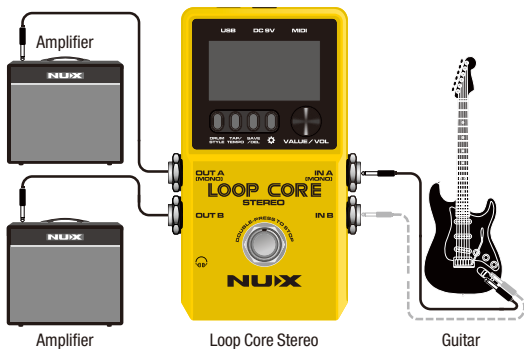
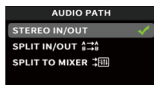


Application 2

Stereo in & stereo out.

When your guitar is with stereo outputs, or you are using a pedal with stereo outputs in front of the Loop Core Stereo pedal, you can connect two amplifiers with to the OUT A & OUT B for stereo output.

In this case, please set the AUDIO PATH as below.



Application 3

OUT A for guitar signal, OUT B for drum machine.

To get the best sounds, you can connect the Loop Core Stereo to a guitar amplifier and a full-range frequency amplifier.

In this case, please set the AUDIO PATH as below. It splits the guitar signal and drum machine signal to OUT A & OUT B individually.



Application 4

Both OUT A & OUT B to a mixer.

When you are playing at home or studio with a mixer and PA system, you can connect the Loop Core stereo to a mixer as below.

In this case, please set the AUDIO PATH as below. It splits the guitar signal and drum machine signal to OUT a & OUT B dividually. It also turns on frequency compensation function to get a better sound for the OUT A.



MIDI Control

You can control the Loop Core Stereo with an external MIDI device.

Here is a list for the functions that are controlled when a control change message (channel 1~16, controller number/value as below) is received from an external MIDI device.

Command	MIDI CC (For all channel)
Track + (01-99)	cc number=40, value=01
Track - (01-99)	cc number=41, value=01
Track Play/Stop	cc number=42, value=00
Loop Rec	cc number=42, value=02
Loop Dub	cc number=42, value=03
Loop Undo	cc number=42, value=04
Loop Redo	cc number=42, value=05
Loop Clear	cc number=42, value=06
Loop Level +	cc number=43, value=0~127
Loop Level -	cc number=44, value=0~127
Drum Play/Stop	cc number=45, value=00
Tap Tempo	cc number=45, value=01
Tempo + (40-240)	cc number=46, value=1~127
Tempo - (40-240)	cc number=47, value=1~127
Beat Switch (4/4, 3/4, Shuffle)	cc number=48, value=01
Drum Style select +	cc number=49, value=01
Drum Style select -	cc number=50, value=01
Drum Level +	cc number=51, value=0~127
Drum Level -	cc number=52, value=0~127
Save Data/confirm	cc number=53, value=00
Save to memory number +	cc number=54, value=01
Save to memory number -	cc number=55, value=01
Delete Data/confirm	cc number=53, value=01
Brightness +	cc number=56, value=01
Brightness -	cc number=57, value=01

Command	MIDI CC (For all channel)
REC mode: INSTANT	cc number=58, value=00
REC mode: DETECTING	cc number=58, value=01
REC mode: PRE-BEAT	cc number=58, value=02
DUB mode: DUB & PLAYBACK	cc number=59, value=00
DUB mode: HIT TWICE TO DUB	cc number=59, value=01
STOP mode: NORMAL	cc number=60, value=00
STOP mode: ONE SHOT	cc number=60, value=01
STOP mode: FINE STOP	cc number=60, value=02
STOP mode: FADE OUT	cc number=60, value=03

Customize your own boot-up picture

The Loop Core Stereo allows users to customize their own boot-up picture with a GIF.

- Connect the Loop Core Stereo to your computer, and download a GIF picture to the folder: NUX LOOPER > NUX_LOOP > GIF.
- Disconnect and reboot the Loop Core Stereo, and then enter to the DISPLAY setting and set the BOOT-UP PICTURE option to USER.

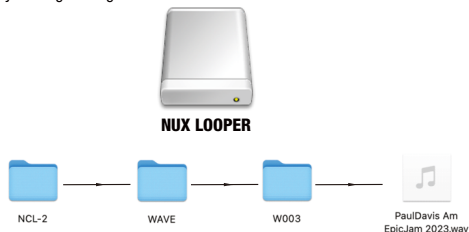


- Reboot the Loop Core Stereo again. Enjoy your own customized GIF interface!

LOOP CORE STEREO | Import wav files to the device

How to import playback to Loop Core Stereo?

When connecting a LOOP CORE STEREO to a computer, it will show "NUX LOOPER" as a USB flash disk. Click it, and you will see folder NCL-2. Click folder NCL-2 to enter, then you will see folder WAVE. Then you can drag the target wav file into the related folder. For example, if you want to put the playback wav file into phrase loop track 3, you can just drag your target wav file into folder W003. Then you are good to go.



Note: LOOP CORE STEREO only supports 44.1 kHz / 32 bits Stereo floating WAV format, please download and utilize **NuxFormatConverter** to convert your backing track to the correct file format. You can download the app from NUX website www.nuxaudio.com.



Please use NuxFormatConverter to convert your playback to the correct format.

Specifications

- Sampling Frequency: 44.1KHz
- AD converter: 24bit
- Signal Processing: 32bit
- Frequency response: 20Hz-20KHz
- Noise Level: -100dBu
- Dynamic Range: 108 dB
- Power Consumption: 110mA-120mA
- Input: Mono, Stereo
- Output: Mono, Stereo, Phones
- Display: TFT color LCD display
- Power: 9V negative tip power adapter
- Dimensions: 122mm(L) x 72mm(W) x 48mm(H)
- Weight: 264g

Accessories

- Owner's manual
- NUX sticker

* Specification may change without notice.

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.

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