

LOOP CORE

Users Manual

CORE SERIES

NUX
www.nuxefx.com

Thank you for choosing the **NUX Loop Core** pedal!

Loop Core allows you to record and create music phases and play back as loops! Whether you practice, compose, or play live gigs, you will get inspired by the well-considered functions of Loop Core!

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.

FEATURES

- Record and overdub as many layers as you need.
- Up to 6 Hours recording time.
- Mono or Stereo recording*(stereo input only via AUX IN jack).
- 99 user memories.
- Built-in rhythm tracks with 40 patterns.
- Change the playback tempo of your recorded phrases without changing the key.
- Switching phrases without latency.
- Extensional pedal (optional) for more control.
- Import and backup phrases with PC.
- Runs on batteries and AC adaptor.

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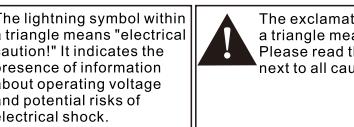
Accuracy
Whilst every effort has been made to ensure the accuracy and content of this manual, Cherub Technology Co. makes no representations or warranties regarding the contents.

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.

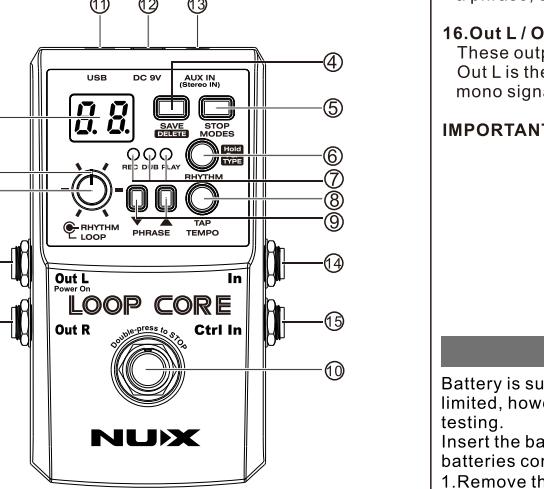
6. The power supply cord should be unplugged when the unit is to be unused for long periods of time.

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!**

PRODUCT INTERFACE



1.DISPLAY
It indicates the memories and rhythm number, and other setting information.

2.LOOP knob
To adjust the playback volume level of the recorded audio.

3.RHYTHM knob
To adjust the volume level of the internal rhythm tracks.

4.SAVE/DELETE button
To save the current phrase or delete the phrase in current memory.

5.STOP MODES button
To select the way you want to stop during playback after you press pedal to stop. (see. 1.4 for details.)

6.RHTHM button
This is for turning on/off the rhythm or selecting rhythm patterns.

7.LED Lights

REC: The red light indicates that you are recording.

DUB: The orange light indicates that you are overdubbing.

PLAY: The green light indicates that it's during playback of current phase.

During overdubbing, both DUB and PLAY will light up.

8.TAP button

Press this several times in time to set the tempo of rhythm. This can change the playback speed of a saved loop.

9.Up and Down buttons

For selecting memory numbers, rhythm patterns, and other setting options.

10.Foot Switch

To record, overdub, playback, and you also press this pedal to stop, undo/redo and clear recording. (Please see below instruction for details)

11.USB Jack

Connect the Loop Core to your PC with a mini USB cable to import or backup audio data. (See. 4.7)

12.POWER IN

Loop Core requires 9V DC/300 mA with center negative. Use the power supply with identical specifications. (i.e. Optional NUX ACD-006A)

13.AUX IN (Stereo In)

You can connect an extensional music playback device to input stereo music signal to Loop Core, and record the input music as a stereo loop.

Or, you can use a "Y" cable to input the stereo signal from your guitar effects or other instruments to Loop Core.

14.IN jack

This is a mono input. Plug your guitar to this jack.

15.Ctrl In

This is for connecting extensional pedals to stop playback, clear a phrase, switching memories, or do TAP tempo. (See. 3.7)

16.Out L / Out R Stereo

These output the signal to your guitar amp or mixer.

Out L is the main mono output. If you only input your guitar as mono signal, please use Out L.

INSTALLING THE BATTERIES

Battery is supplied with the unit. The life of battery may be limited, however, since their primary purpose was to enable testing.

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

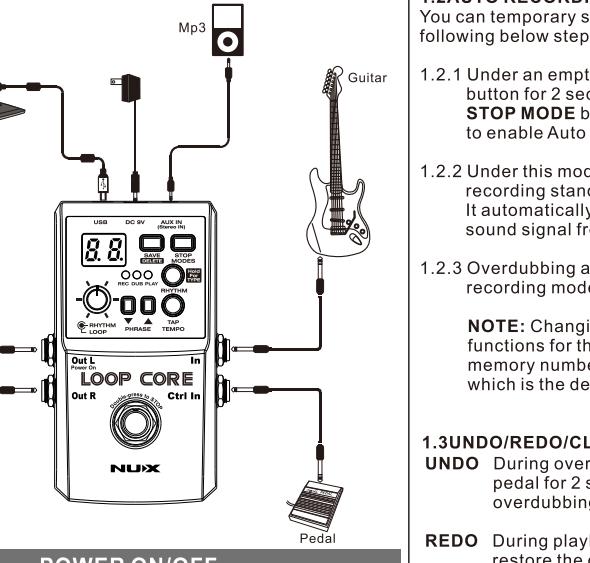
3.When the battery run down, the sound of unit gets distort. If this happens, replace with new battery.

4.Battery life can vary depending on battery type.

5.The power comes on when you insert the connector plug into the OUT L jack.

6.The use of an AC adaptor is recommended as the unit's power consumption is relatively high.

CONNECTIONS



POWER ON/OFF

When running the unit on battery power, inserting a plug into the OUT L jack 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. By turning on device in the wrong order, you risk causing 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.

NOTE: Loop Core will take a few seconds to run self-test and the display will show "SC" after it is powered on. It will return to normal status after self-test.

OPERATION INSTRUCTION

1.TO RECORD AND CREAT A LOOP PHRASE

1.1NORMAL RECORDING MODE (Default)

1.1.1 Select a empty memory location by pressing the Up and Down arrows.

If you input stereo signal from AUX In, and the sound is only output from Out L to monaural system, the sound will be output as mono signal.

1.1.2 RECORD:

Press the pedal to start to record a loop.

1.1.3 OVERDUB: After a loop was recorded, you can record overdubs on it. Each time you press the pedal, the sequence is: Rec - Play - Overdub.

NOTE: You can change this sequence to: Record - Overdub - Play by following this:

While holding down the pedal, turn on the power by inserting DC jack and plug a cable in OUT L jack. The display will show "r d" or "r P", you can select either one by pressing the arrow buttons, and press the pedal once again to confirm.

"r d" for Record - Overdub - Play.

"r P" for Record - Play - Overdub.

NOTE: To overdub on the current phrase, Loop Core requires that the total remaining recording time must be longer than the time of current phrase. If the DUB LED light keeps blinking after you overdub, it means you cannot overdub under such status.

If the screen shows "FU", it means the memory is full and you are not able to record.

1.1.4 STOP: During playback or overdubbing, double-press the pedal (press the pedal twice within 1 sec) to stop.

1.6 SAVE A LOOP TO MEMORY

Once you have created a music loop, you can save it to memory. You can save up to 99 memories. Each memory can be as long as you want until it reaches the memory limit. The memory limit of Loop Core is 4GB. Maximum recording time is about 6 hours.

1.6.1 Short press SAVE button and you will see the memory number and "SR" will be blinking on the display in turn.

1.6.2 Press Up or Down to choose an empty memory location (the down right corner of the display has no dot), and press SAVE again to confirm the storage. Or, you can press any button other than SAVE and UP/DOWN to abandon saving.

NOTE: Changing time signature to 3/4 is only valid for current memory. You can only change time signature before you start record anything. It is not possible to change time signature if there is already recording.

Rhythm
01 Metronome
02 Hi-Hat
03 Rock
04 Rock 2
05 Shuffle
06 Blues Rock
07 Swing
08 Country
09 Country 2
10 Hip-Hop
11 Pop
12 Pop 2
13 Fast Rock
14 Metal
15 Latin
16 Latin 2
17 Old TimesRock
18 Reggae
19 Dance

1.6.3 All the data including recordings, stop mode, tempo and the selected rhythm pattern will be saved. But recording mode will not be saved. Auto Recording mode can only be temporary set (see 1.2).

NOTE: You can plug in an extensional control pedal to the Ctrl In jack, i.e. Cherub WTB-004 Pedal(optional) to have more hand-free control during live performance:

3.1 Plug in the WTB-004 to Ctrl In jack on Loop Core with the WTB-004 NOT pressed for at least 1 second, so that the Loop Core can recognize the pedal.

3.2 Stop: short press the WTB-004 once to stop during recording, overdubbing and playback. Same as double-press the pedal of Loop Core.

3.3 TAP TEMPO: press WTB-004 several times in time to set the tempo while stops.

3.4 Clear Loop: press and hold the WTB-004 will clear all the recordings that have not saved.

3.5 You can connect two WTB-004 pedals to Loop Core if you use a "Y" shape cable like this:

Then one WTB-004 will function like above, the other WTB-004 can be used to switch memory numbers:

3.5.1 Short press the second WTB-004, it switched to next memory number, same as pressing the Up button.

3.5.2 Press the second WTB-004 twice in one sec will switch to the previous memory number, same as you press DOWN button.

NOTE: Do not switch the slide-switch of WTB-004 after you connect it to loop Core.

4.USB CONNECTION

Connect a USB cable (like the USB cable for digital cameras)

between Loop Core and your PC, and turn on the power of Loop

Core by connecting the power adaptor and plug a cable into Out L. The display of Loop Core will show "U" when it is connected successfully. Now you can import WAV files to Loop Core, or

backup the recording phrases from Loop Core to your PC:

4.1 To import a WAV file to Loop Core

4.1.1 Click and open the Removable Disk of Loop Core, and

open the "Cherub" folder.

4.1.2 Open the WAV folder, and there will be 99 folders for 99

memory numbers: "W001", "W002" ... "W099".

Choose one empty folder that you want to import a WAV

file to. For example: folder "W031".

4.1.3 Copy the WAV file from your computer to the folder

"W031", and rename this WAV file to "w031.wav".

4.1.4 This WAV file is imported successfully and can be

played as a loop in memory number 31 in Loop Core.

NOTE: Loop Core accept WAV file that is 16-bit, stereo

44.1kHz.

4.2 To back up and recover phrases from Loop Core to your PC

4.