NUX

DUAL LOOP STEREO

www.nuxaudio.com

FC CE UK CA RoHS

32bit Premium sound quality with 32-bit AD/DA and 32-bit floating-point processing

Dual-Track looper & dual drum kit

90min 90 minutes of stereo recording time on a single track

26h 26 hours of stereo recording time in total

40 rhythm presets with 640 rhythm variations

4 effects including Octave, Booster, Amp Simulation, Reverb (only for rhythm)

Combined XLR / (1/4") input jack with +48V phantom power

USB audio USB audio with Loopback

MONARCH SERIES

Model: **NML-3DLS**

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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.

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 DUAL LOOP STEREO pedal!

The NUX DUAL LOOP STEREO stands as an exceptional companion for guitarists, singer-songwriters, and all musicians eager to explore the art of looping in their performances or compositions. Equipped with dual loop tracks and two distinct drum patterns, it empowers you to seamlessly weave together two independent sections of a song with precision and creativity. Furthermore, its arsenal includes a suite of built-in effects—such as Octave, Booster, Cabinet Simulator, and Reverb. A high-definition color LCD display ensures intuitive control, while stereo Mic/Instrument inputs and outputs, along with MIDI in/out functionality, provide unparalleled versatility. Whether you're honing your craft during practice sessions, crafting melodies in the studio, or captivating audiences on stage, this remarkable dual-track loop pedal will ignite your imagination and transform your musical journey.

Features

- Dual-Track looper & Dual drum kit
- 99 phrase memories
- 90 minutes of stereo recording time on a single track
- 26 hours of stereo recording time in total
- 40 rhythm presets with 640 rhythm variations
- 4 effects including Octave, Booster, Amp Simulation, Reverb (only for rhythm)
- Sampling Frequency: 44.1 kHz
- AD/DA Conversion: 32 bits
- Processing: 32-bit floating point
- Data Format: WAV (44.1 kHz, 32-bit float, stereo)
- Customized GIF Boot-up display (960*376 pixels, Max size 2M)
- 2.86" high-definition colored LCD display (960*376 pixels)
- INPUT: Mono/stereo 1/4 inch inputs including XLR mic input with phantom power
- OUTPUT: Mono/stereo 1/4 inch outputs, headphones
- INPUT: Mono/stereo 1/4 inch inputs including XLR mic input with phantom power
- Support for expanded control via external footswitches, an expression pedal, or MIDI
- Full MIDI I/O provided with space-saving mini TRS jacks
- USB audio with Loop-back

Control Panel & I/O Jacks

Control Panel

1	**Colored LCD display**
2	**HOME/MEMORY/Back knob** Twist this knob to select a memory from 00-99. Press the knob to return to Settings. Press and hold the knob to return to Home from all settings.
3	**PARA/Confirm knob** Twist this knob to change settings or adjust parameters. Press the knob to enter a setting or confirm a setting.
4	**TRACK 1 knob** Twist this knob to adjust the volume level of Track 1.
5	**TRACK 2 knob** Twist this knob to adjust the volume level of Track 2.
6	**DRUM 1 knob** Twist this knob to adjust the volume level of Drum 1.
7	**DRUM 2 knob** Twist this knob to adjust the volume level of Drum 2.
8	**MIC LEVEL knob** Twist this knob to adjust the gain of your microphone input.
9	**MASTER knob** Twist this knob to adjust the master volume.
10	**SYNC/SPLIT button** Press this button to choose between SYNC mode and SPLIT mode. **SYNC mode:** The Dual Loop Stereo supports two individual loopers. When you select SYNC mode for recording, you can record two tracks separately and play both tracks together at the same time. In this mode, you can set DRUM 1 to play along with the tracks. **SPLIT mode:** The Dual Loop Stereo supports two individual loopers. When you select SPLIT mode for recording, you can record two tracks separately and play track 1 and track 2 one by one. In this mode, you can set DRUM 1 to play along with track 1 and DRUM 2 to play along with track 2. The SPLIT mode is very useful if you want to play a song with A/B parts that have different phrasing and drum settings.

⑪ DRUM/STYLE button

Press this button to turn on/off the drum. Press and hold this button to set up the drum style.

⑫ TAP TEMPO button

Press this button multiple times to set the tempo value by tapping. Press and hold this button to enter the tempo value setting.

⑬ SAVE/DEL button

Press this to save your recording data to memory. Press and hold this button to delete a memory.

⑭ Footswitch 1

This footswitch has different functions when Loop mode is set to SYNC/SPLIT mode.

SYNC mode: You can handle the recordings of Track 1 or Track 2 with this footswitch. Click this footswitch to start recording/playing/dubbing. Double-click this footswitch to stop playing. Hold this footswitch to redo/undo your recording.

SPLIT mode: You can handle the recording of Track 1 with this footswitch. Click this footswitch to start recording/playing/dubbing. Double-click this footswitch to stop playing. Hold this footswitch to redo/undo your recording.

Press once	Hold		Press twice	Press & Hold
REC ⇄ PLAY ↳OVERDUB	PLAY ⇄ UNDO ↳REDO	PLAY	STOP	CLEAR

⑮ Footswitch 2

This footswitch features a different function when the Loop mode is set to SYNC/SPLIT mode.

SYNC mode: You can select Track 1 or Track 2 by pressing this footswitch.

SPLIT mode: You can handle the recording of Track 1 with this footswitch. Click this footswitch to start to record/play/dub. Double-click this footswitch to stop playback. Hold this footswitch to redo or undo your recording.

Press once	Hold		Press twice	Press & Hold
REC ⇄ PLAY ↳OVERDUB	PLAY ⇄ UNDO ↳REDO	PLAY	STOP	CLEAR

⑯ Footswitch 3 (CTRL)

Click this footswitch to stop playing the loop or drum. When the loops are stopped, hold this footswitch to clear the data of both Track 1 and Track 2.

* You can configure the function of the CTRL in the Global settings.

▌I/O Jacks

⑰	**MIC/INPUT 1** Connect your microphone or guitar to this input jack.
⑱	**+48V Toggle Switch** When using a condenser microphone, you can activate the +48V phantom power using this toggle switch. ⚠ **Warning!** Please do not activate the phantom power if you are not using a condenser microphone. Doing so may damage your equipment if it is not compatible with a phantom power.
⑲	**INST/INPUT 2** Connect your guitar or instrument to this input jack.
⑳	**OUTPUT L (Mono)** Connect to an amplifier or a mixer with the OUTPUT jack.
㉑	**OUTPUT R** Connect to an amplifier or a mixer with the OUTPUT jack.

㉒	**AUX IN** Connect your audio equipment to this jack.
㉓	**PHONES** Connect your earphones to this jack.
㉔	**MIDI IN** Connect your MIDI device to this jack to input MIDI signals.
㉕	**MIDI OUT** Connect your MIDI device to this jack to output MIDI signals.
㉖	**EXP Jack** You can connect an NMP-2 Dual Footswitch to this jack to enable extra control of this product. You can set up the control in the Global Settings as outlined below. You can also connect an expression pedal to this jack to control the volume setting of this product. You can setup the volume control in Global Setting as below.
㉗	**DC IN jack** Connect the NUX ACD-006 adapter (9V 500mA) to power on this product.

Connections

Phone or player

MIDI conversion cable

AUX IN   MIDI IN

MIDI controller

PHONES   MIDI OUT

Headphone

Synthesizer

INPUT   OUTPUT

MIC/INPUT1 (MONO)   INST/INPUT2   L(MONO)   R   AUX IN   MIDI IN   EXP   DC 9V 500mA

+48V ON

PHONES   MIDI OUT

MONARCH
MADE IN CHINA   MODEL:NML-5   NUX
   WWW.NUXAUDIO.COM

Computer

Guitar   Microphone   Guitar   Speaker   NMP-2 Lite   Expression pedal   Power adapter
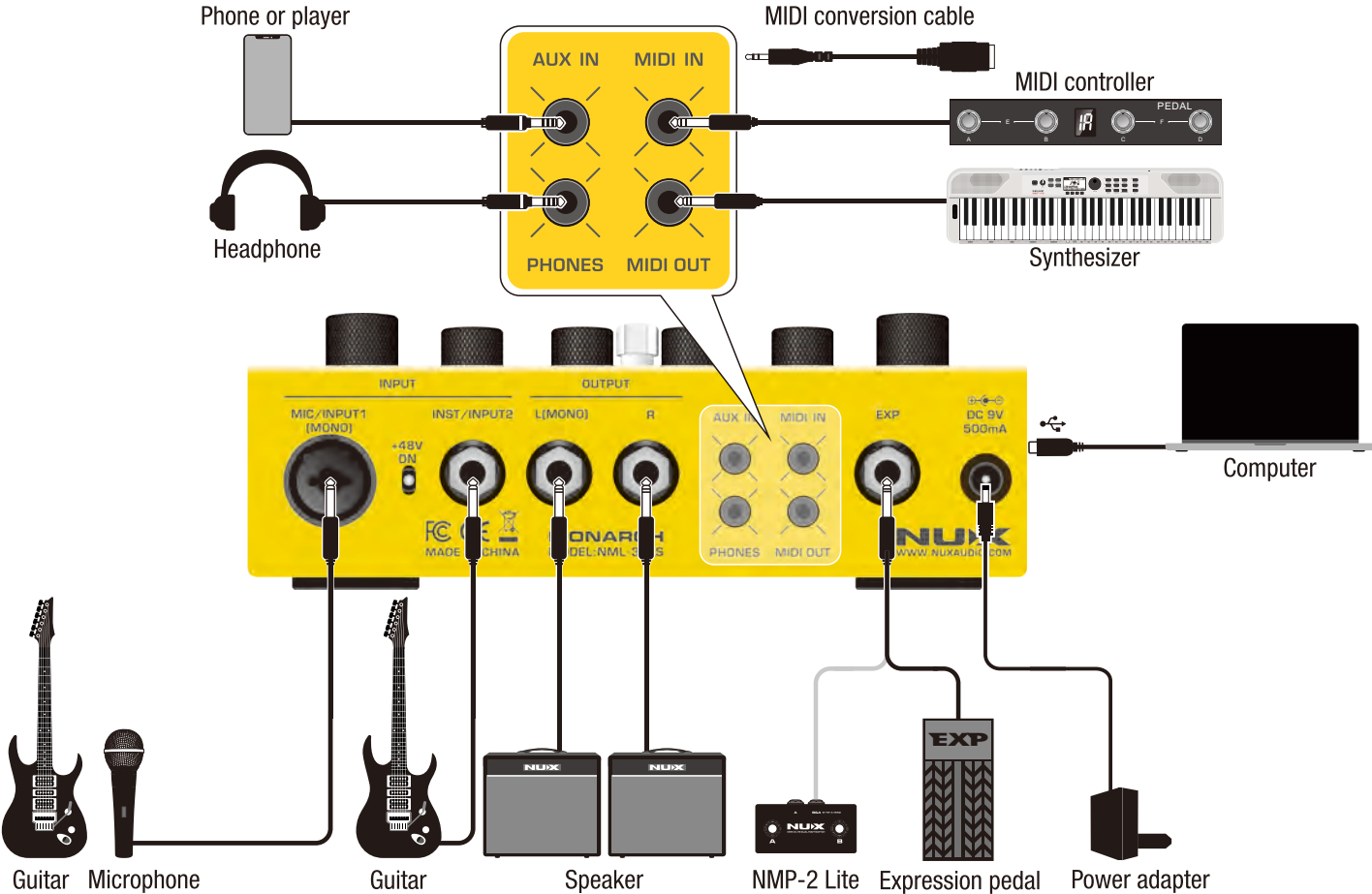
How to use

1.Plug in and power on the pedal.

2.Twist the VALUE knob to select an empty memory from 01 ~ 99. Press the SYNC/SPLIT button to select a loop mode.

Then, you can press the footswitch 1 to record/play/dub your phrases. You can also hold the footswitch to UNDO/REDO/CLEAR your phrases.

Press once	Hold	Press twice	Press & Hold
REC ⇄ PLAY OVERDUB	PLAY ⇄ UNDO REDO	PLAY← STOP	CLEAR
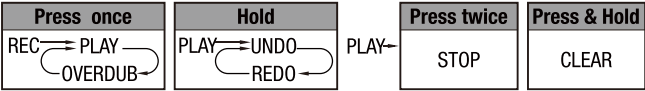
⚠ **Notes:**

SYNC mode: you can press the footswitch 1 to record/play/dub, and press the footswitch to switch to work on Track 1 or Track 2.

SPLIT mode: you can press the footswitch 1 to record/play/dub on Track 1, and press the footswitch 2 to record/play/dub on Track 2.

REC/▶

TRACK1/2

3.Press the DRUM/STYLE button to turn ON/OFF the rhythm. And you can hold this button to select the best drum kit for your phrases.

DRUM STYLE

4.Press the SAVE button to save the phrases. Enjoy!

Import playbacks

You can connect the DUAL LOOP STEREO to your computer and import playbacks.

⚠️ **Notes:**

1.The DUAL LOOP STEREO only supports 44.1kHz/32 bits Stereo floating WAV format, please download and utilize NuxFormatConverter to convert your backing track to the correct file format. Please go to the Softwares section on this page for download.

2. Please set the USB mode at "IMPORT/EXPORT WAV FILES".

NuxFormatConverter

Computer   NML-3DLS

USB audio steam

You can connect the DUAL LOOP STEREO to your computer to record the loop, drum, and any sound from your guitar & mic.

⚠️ **Notes:**

Please set the USB mode at "USB AUDIO STREAM".

Computer   NML-3DLS

Customize your own Boot-up picture

The DUAL LOOP STEREO allows users to customize their own boot-up picture with a GIF.

1.Please set the USB mode at "IMPORT/EXPORT WAV FILES", and then connect the DUAL LOOP STEREO to your computer, and download a GIF picture to the folder: NUX LOOPER > NML-3DLS> GIF. (Requirement for the Customized GIF: 960*376 pixels, Max size 2M)

⚠️ **Notes:** You need to delect the original GIF file in the folder before you put any new GIF file into the folder.

2.Disconnect and reboot the DUAL LOOP STEREO, and then enter to the DISPLAY setting and set the BOOT-UP PICTURE option to USER.

3.Reboot the DUAL LOOP STEREO again. Enjoy your own customized GIF interface!

Specifications

Sampling Frequency	44.1 kHz
AD/DA Conversion	32 bits
Processing	32-bit floating point
Recording / Playback	Number of Tracks: 2
	Data Format: WAV (44.1 kHz, 32-bit float, stereo)
	Approx. 1.5 hours (1 track), Approx.13 hours (total of all memories)
Rhythm Type	40 groups, 640 patterns
Effect	Octave, Booster, Amp Simulation, Reverb(only for rhythm)
Memory	99
Maximum Input Level	MIC IN: 6DBu(max）
	INPUT 1/2: 8 DBu
	AUX IN L/R: 8 DBu
Mic Input Gain Range	5.4 dB - 63 dB
Input Impedance	MIC IN: 2.4 kΩ
	INPUT 1/2: 1 MΩ
	AUX IN L/R: 1 MΩ
Output Impedance	OUTPUT L/R: 1 kΩ
	PHONES L/R: 3.3 Ω
Bypass	Buffered bypass
Display	2.86'' Colored LCD display, 960*376 pixels
Connectors	MIC/INPUT 1: Combined XLR & 1/4-inch type jack (balanced, phantom power: DC 48 V)
	INST/INPUT 2: 1/4-inch phone type jack
	OUTPUT L(MONO): 1/4-inch phone type jack
	OUTPUT R: 1/4-inch phone type jack
Connectors	AUX IN: 1/8-inch stereo miniature type jack
	PHONES: 1/8-inch stereo miniature type type jack
	MIDI (IN, OUT) jacks: 1/8-inch stereo miniature type type jacks
	EXP jack: 1/4-inch TRS phone type
	DC IN jack
	USB port: USB-C type
Power Supply	ACD006 (9V 500 mA)
Current Draw	Less than 170 mA (Phantom power off)
	Less than 270 mA (Phantom power on)
Dimensions	183 (L) x 130 (W) x 65.3(H) mm
Weight	765 g

*Specifications and features are subject to change without notice.

What's in the box?

● NML-3DLS

● Quick Start Guide

● USB-C to USB-A adapter

● USB-C to USB-C cable

● NMP-2 Lite pedal

● TRS stereo audio cable

● NUX sticker

● Power adapter

Scan for the user's manual & more at www.nuxaudio.com