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NUX NDL-5 JTC Drum and Loop Pro Owner's Manual

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NUX NDL-5 JTC Drum and Loop Pro

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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.

WARNING:

The lightning symbol within a triangle means "electrical caution!" It indicates the presence of information about operating voltage and potential risks of electrical shock.

WARNING:

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.

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. 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

JTC Pro is designed to take the looper artist performance to one step further. It's a dual switch stomp box pedal equipped with 6 hours of recording capability and 256 loop memories. Loop and drum controls are separate. The left footswitch controls recording and overdubs, and starts / stops playing the recorded loop tracks. It's also the TAP TEMPO control, you can set the drum speed by tapping the left footswitch before you record a loop track. The right footswitch starts / stops playing the drums and it adds drum fill during the performance.

JTC Pro also offers easy-to-use start and stop modes for making your jam sounds like an arranged song during performance, as well as one shot mode for playing any loaded backingtrack without getting into a loop.

JTC Pro has 2 outputs and there are several output modes such as a stereo connection to two amplifiers, or you can activate the built-in speaker cabinet simulation for Right Output to send your guitar signal directly to PA system (or any PA monitor).

JTC Pro's drum sound is a very realistic high-quality audio sample. When you connect to any guitar amplifier or PA system, you will get a full range and dynamic drum sound. And if you are using a small practice amplifier, there is an optional drum frequency optimization. It makes the drum sounds more clear and helps you to get a real looper experience with the smaller amplifiers.

Features

- 24-bit audio quality
- 6 hours recording time
- 256 memories
- Drums: 25 4/4 beats, 10 3/4 drum beats, 5 shuffle beats
- Drum tempo 40-240bpm
- 2 start modes, 3 stop modes
- One Shot player
- 2 Loop switch modes: Record-Play and Record-Overdub
- Optional Frequency Optimization function to enhance drum sound
- 2 Outputs: Amp (Left) and Mixer (Right). Optional speaker cabinet simulation for Right Output
- 3 Advanced output modes for guitars and drums signals to amplifiers and mixers

- External footswitch input to switch between loop phrases. (NMP-2 optional)
- Micro-B USB

Control Panel

START MODES
JTC Pro has 2 start modes for recording. Before you record anything you can select one of the modes shown as Ar and Nr ; select an empty preset, push and hold the Stop Modes button to select a mode.

Normal Recording :
It's the regular way of loop recording. Hit the Loop footswitch and start playing. Timing is important, and it needs a bit practice to create a perfect loop. But still, it's simple and easy to do it. It's a natural way of jamming with a looper pedal and you will feel very comfortable after you use it several times.

Auto Recording :
Good for beginners. Also very useful if the first chord is really difficult to play. Hit the Loop footswitch, JTC Pro will wait until it receives the signal. You can wait as long as you want until you feel ready to play. When you hit the strings, it will start recording and you can stop recording with the second hit whenever you want.

Screen

Shows selected memory, song tempo and other settings info.

STOP MODES

◎ INST. STOP
◎ ONE SHOT
◎ FINE
◎ FADE OUT

STOP
MODES

You can choose the way to stop your performance. Double click the Loop button:

INST.STOP	Loop will stop instantly.
ONE SHOT	It's an optional backing track player. You can add your own full length song and play it once without looping.
FINE	Loop will play until the end of the track.
FADE OUT	10 seconds fade out.

MEMORY SELECT knob

MEMORY
SELECT

Switch between 1–256 memories. Also controls the global settings (see. Global Settings).

SAVE/DELETE button

SAVE
DELETE

Save: After recording a track, press once the button, "**DL** " will blink on the screen. Select a preset (1 – 256) and click again.
Delete: Select a preset, press and hold the button, " **SR**" will blink on the screen. Press the button again to clear the preset.

TEMPO / TIME SIGNATURE button

Press to control the drum speed, click and hold to change the drum beats time signature (4/4 – 3/4 – Shuffle). Use the RHYTHM/TEMPO SELECT knob to adjust.

LOOP LEVEL knob

Adjusts the recorded loop volume

RHYTHM LEVEL knob

Adjusts the drums volume.

Loop LED Indicators

- **Red:** Recording.
- **Green:** Playback.

RHYTHM / TEMPO SELECT knob

Rhythm
Switch between the drumming styles.
Tempo
(Click the Tempo button) Adjusts the drum tempo (40-240 BPM).
Time **Signature**
(Click and hold the Tempo button) Changes the beat 4/4 – 3/4 – Shuffle.

Rhythm LED Indicator

It lights up when the drum function is activated, and flashes according to the current tempo.

Multi-functional Loop Footswitch (see. Global Settings for alternate footswitch control)
Global Settings RP – Record / Play

- **1st Press:** Start recording.
- **2nd Press:** Stop recording and play loop.
- **3rd Press:** Start recording overdub – it will create overdubs each time the loop starts over until you press the footswitch again.
- **4th Press:** Stop recording overdub and keep looping with recorded layer(s) (and press the footswitch again to record another overdub / press again to stop recording overdub).

Press and HOLD (during the loop with overdubs): The last overdub will stop playing.
Press and HOLD again: The last overdub will play again.

Global Settings RD – Record / Dubbıng

- **1st Press:** Start recording.
- **2nd Press:** Start looping and start recording overdub-it will create overdubs each time the loop starts over until your press again.
- **3rd Press:** Stop recording overdub and keep the track looping with recorded layer(s) (and press the footswitch again to record another overdub / press again to stop recording overdub).

Press and HOLD (during the loop with overdubs): The last overdub will stop playing.
Press and HOLD again: The last overdub will play again.

Double Press (during the play): Loop will stop according to selected "Stop Mode".
Smart Tap Tempo: For using the Tap Tempo; activate the drums before recording a loop track. Clicking the Loop Footswitch 2 times within 40 BPM to 240 BPM range will adjust the drum speed. When you set the drum speed by using the Tap Tempo, please wait for 2 seconds to record a track.
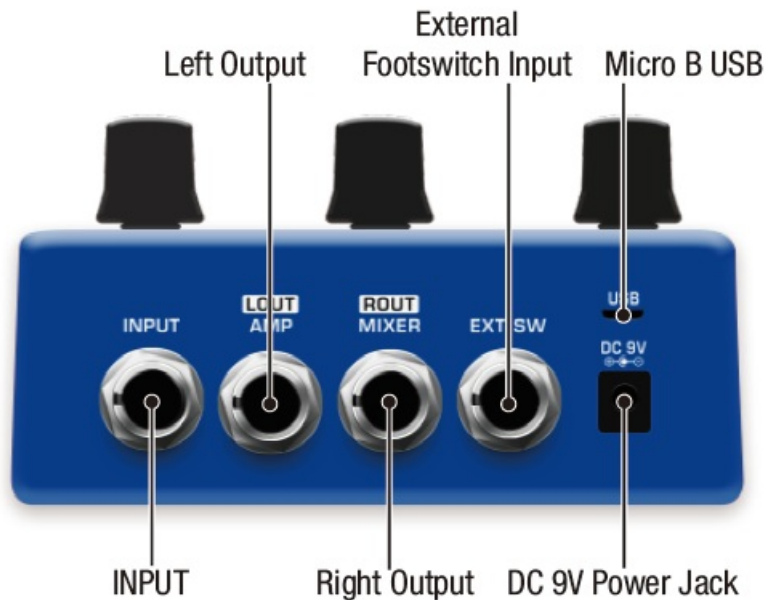
Rhythm Footswitch

- Press to start drums, double press to stop.
- **During the drum play:** press to add drum fills.
- **Drum Fills:** Each drumming style has its own unique drum fill. Just hit the footswitch during the play and the fill-in will start immediately and fills until the end of beat.

Note: If the remaining memory is not enough, you'll see " **FUL**" blinking on the Screen, and you'll have to delete some saved loop phrases to free up some memory space so that you can record new loop phrases with it again.

I/O Jacks

- **INPUT**

  1/4″ Jack Input.

- **Left Output**

  1/4″ Jack Output (Stereo) to Amplifier.

- **Right Output**

  1/4″ Jack Output (Stereo) to Mixer (Speaker Cabinet Simulation).

- **External Footswitch Input**

  For NUX NMP-2 (sold separately). You can switch the presets UP / DOWN.

- **Micro B USB Port**

  Connect to computer for WAV file loading or firmware update.

- **DC 9V Power Jack**

  DC 9V 500mA (negative tip, optional ACD-006A adapter).

Global Settings

To reach the global settings, press and hold the Loop Footswitch, and plug-in the power cable to turn ON the pedal. " GLb SEt " will appear on the screen. Then you can engage the following functions.

Loop Footswitch Alternate Control

Push Save/Delete button: You can choose Loop Footswitch mode by using the Memory Select knob: rP (Record and Play)or (rd Record and Dub).

Optional Frequency Optimization

Push Tempo/Time Signature button: You can use the Memory Select knob to switch frequency optimization Fr oN/oFF. It has 2 functions depending on the LEFT / RIGHT outputs.

- LEFT (AMP) Output: When the Fr is oN , drum signal will be optimized to get better drum sound from a

guitar amplifier. You can try the $Fr\ oN$ and **OFF** to use the JTC Pro drums with better sound. Technically it cuts the high and low frequencies and makes it compatible with small practice amplifiers.

- RIGHT (MIXER) Output: You can send your guitar signal directly to a mixer (or a PA amplifier / speaker, or an audio interface) and turn ON the frequency optimization to use speaker cabinet simulation. If you are using two guitar amplifiers, turn OFF the frequency optimization.

Output Modes
Push Stop Mode button and use the Memory Select knob to select the output mode:

- **F3**: Guitar to Amp (LEFT) output / Drums to Mixer (RIGHT) output.
- **F4**: Drums / Guitar to both outputs.
- **F5**: Guitar / Drums to Amp (LEFT) output and Drums to Mixer (RIGHT).

Formatting JTC Pro

In case you want to reset the JTC Pro back to factory setting, please operate as the following instructions: Press and hold SAVE/DELETE button until the display shows "**Fo** ", then press the LOOP footswitch once to confirm formatting. Or, press any other buttons to cancel formatting.

Warning: Formatting the JTC Drum&Loop Pro will wipe away all recordings from it, and set everything to factory settings. Please backup all your data before you format the device. Also, please do not power off your device until the formatting process is completed.

Connecting with Computer

Updating the JTC Drum & Loop Pro

1. Connect the USB (Micro B) cable to your computer and the pedal.
2. Press and hold the Loop footswitch + Save + Tempo buttons and plug in the power cable.
3. JTC Pro will start running in update mode. You will see " **UP** " on the screen.
4. JTC Pro's folder will appear on your computer. Normally it opens automatically, but if not, please check the connected USB devices.
5. Open the folder, copy the firmware file (or drag and drop) into the USB DEVICE folder. Unplug the USB cable and push the Loop footswitch. Update will start.
6. You will see the update progress from 1 to 99 and " **SC**" letters will be shown on the screen when completed. Pedal will restart itself.

Loading a backing track into the JTC Pro

1. Run the JTC Pro and connect the USB cable to your computer and the pedal.
2. Open the folder NUX LOOPER – LOOPER24 – WAV on your computer.
3. Open the WAV folder, from 1 to 256 you can add your song into any folder.
4. Unplug the USB cable. You can choose the backing track by using the Memory Select knob. Select "One Shot" mode to play the backing track without looping.

Supported backing tracks

1. Audio file must be WAV – 24 bit – 44.1 kHz.

2. JTC Pro cannot play any mp3 or 16 bit audio files.

3. You can simply convert your backing track to make it compatible for JTC Pro.

FREE Audio Converter Software
Visit **www.nuxefx.com** and check the support page. You can download the audio file converter for free. (MAC OS / WINDOWS OS)

Connecting Audio Equipment

Specifications

- **Input impedance:** 1MΩ
- **Output impedance:** 10kΩ
- **Sampling rate:** 44.1kHz
- **A/D Converter:** 32bit
- **Signal Processing:** 32bit
- **Frequency** Response: 20Hz~20kHz
- **Dynamic Range:** 101dB
- **Power:** DC 9V 500mA (Negative tip, Optional ACD-006A adapter)
- **Current Draw:<100mA**
- **Dimensions:** 105mm(L) x 115mm(W) x 57mm(H)
- **Weight:** 425g

Accessories: User manual
*Specifications and features are subject to change without notice.

Documents / Resources

	NUX NDL-5 JTC Drum and Loop Pro [pdf] Owner's Manual NDL-5, JTC Drum and Loop Pro, NDL-5 JTC Drum and Loop Pro, Drum and Loop Pro, Loop Pro, Drum