



**NDD-7**

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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.
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

NUX TAPE ECHO is a tribute to the Japanese-made Space Echo in 1974. A tape echo device records incoming audio to a loop of magnetic tape, then replays the continuous loop over the playback head before it is erased again by new incoming audio. The Space Echo units, which used the standard 1/4" tape of the open-reel variety, but made as one, continuous loop. It uses no reels of any kind; the tape is transported via a capstan drive. The tape loop is contained in a loose, constantly moving jumble in the tape chamber (also known as the tape tank) under a plastic panel which protects the tape and keeps it from getting tangled. The design resulted in lower levels of noise, wow, and flutter, and cut down on tape wear. So NUX TAPE ECHO uses Core-Image technology to capture the characteristics including BASS, TREBLE, REPEAT RATE (TIME), INTENSITY (REPEAT), ECHO VOLUME (LEVEL), REVERB VOLUME (REVERB), and the physical features like WOW, FLUTTER, SATURATION, even self-regenerate, self-oscillate into a dual foot switch stomp-box enclosure.



NUX TAPE ECHO offers the essential knobs like BASS, TREBLE, TIME, REPEAT, LEVEL, REVERB and SELECT (repeat pattern) for quick tweaking, short press and hold the SELECT knob can enter to ALT TWEAKING for SATURATION, WOW, FLUT, KILLDRY, EXP, Foot Switch for self-FEEDBACK.

*\*Using Tap Tempo, the longest delay time can reach 1600ms.*

# Control Panel



## BASS knob



Controls the echo's low-end response.

## TREBLE knob



Controls the echo's high-end response.

## TIME knob



Controls the echo's rate.

## REPEAT knob



Controls the echo's intensity (delay repeat numbers).

## LEVEL knob



Controls the echo's volume (delay mix level).

## REVERB knob



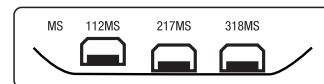
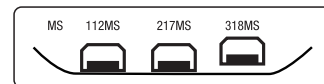
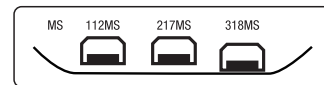
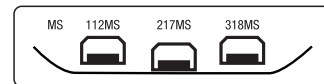
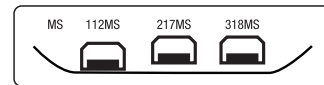
Controls the reverb's volume (based on Spring reverb).

# Control Panel

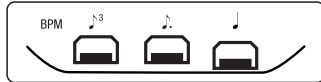
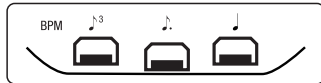
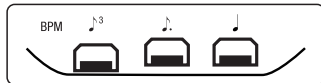
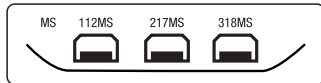
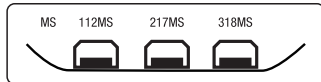
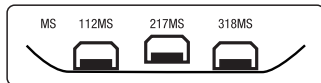
## SELECT switch



Rotate the SELECT knob to select the Repro-Tape Heads combination.



# Control Panel



Press and hold SELECT knob to enter to ALT TWAeking, in the meantime rotate SELECT to tweak current parameters, short press to the next function tweaking:

SATURATION: 0%~100%  
 WOW: 0%~100%  
 FLUT: 0%~100%  
 KILL FRY: OFF / ON  
 EXP: TIME / REPEAT / LEVEL  
 FB ENGAGE: OFF / ON (This can assign the ON footswitch for holding self-feedback.)

# Control Panel

## ON Footswitch and Indicator



Press the ON footswitch to engage/disengage the TAPE ECHO effect, while it's engaged, the indicator will turn on in RED color. In the meantime, hold the ON footswitch to trigger self-feedback.

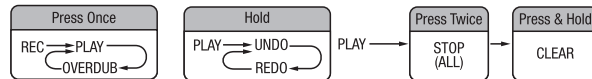
## TAP Footswitch and Indicator



Tap the TAP footswitch can assign the time parameter related to 4th note. You can see the current BPM/MS on the display. Hold the TAP footswitch to choose subdivision display or MS display.

## SOS mode

Press ON and TAP footswitches simultaneously to enter SOS mode(Looper). In the meantime, ON footswitch can do REC / PLAY / DUB as phrase looper function. The display will show you current status. During loop playing, you can double-press the TAP footswitch to exit SOS mode, the loop will keep playing. You can change the parameters and reenter to SOS mode.



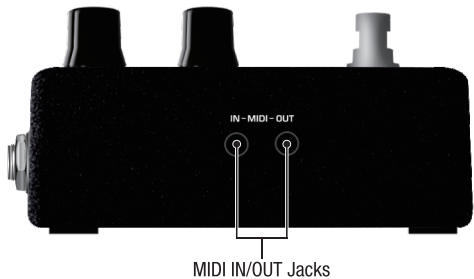
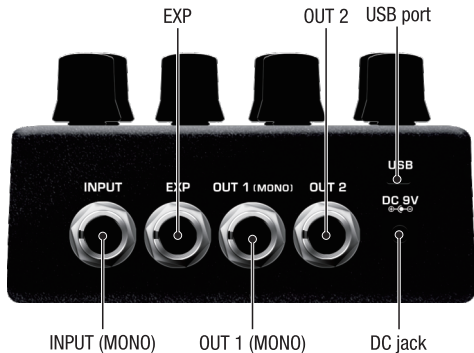
\*TAPE ECHO offers 40 seconds real stereo phrase loop.

## OLED display



Shows current Repro-Tape Heads combination with MS/Subdivision. While entering to ALT tweaking, it shows current parameter. While entering to SOS mode, it shows loop status.

# I/O Jacks



## INPUT (MONO)



Connect the cable from guitar side.

## EXP



Use expression pedal to control related parameters, you can assign EXP for TIME, REPEAT, LEVEL.

## OUT 1 (MONO)



Connect the cable to amp side for mono application.

## OUT 2



Connect the cable to amp side for stereo application.

# I/O Jacks

## USB port



Connect USB cable to your PC with editor software, you can assign MIDI setting.

You can update firmware through the USB port. Please check our product page "Support" and follow instructions.

## DC jack



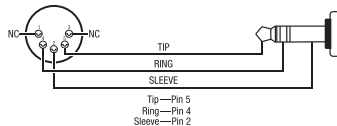
Use ONLY: 9V Negative Tip power with 300ma.

## MIDI IN / OUT Jacks



Connect an external MIDI device here. (TAPE ECHO comes with the additional TRS/MIDI cables.)

**Note:** Do not connect an audio device here. Doing so will cause malfunctions.



# Features

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- Up to 1600ms stereo delay time by Tap Tempo
- 7 Repro-Tape Heads combinations and Reverb only
- Core-Image technology brings natural Tape Echo with parallel spring reverb sound back
- Realistic infinite pitch-shift feedback with TIME & REPEAT knobs tweaking
- Sub-division time signature with Tap Tempo foot switch
- 40 seconds stereo phrase loop with OLED status display
- Optional delay time display (MS / BPM)
- MIDI In / Out
- Holding ON footswitch for self-feedback

# Specifications

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- Sampling Rate: 48kHz
- A/D Converter: 32Bit
- Signal Processing: 32Bit
- Frequency Response: 20Hz~20kHz -  $\pm 1$ dB
- Input Impedance: 5M $\Omega$
- Maximum input level: 1.5Vrms
- Output Impedance: 100 $\Omega$
- Maximum output level: 1.5Vrms
- System Latency: 1ms
- Dynamic Range: 103dBu/105dBu(A-Weighting)
- THD+N Ratio: 0.0038% @ input 1Vrms\_1kHz  
0.01% @ input 1.5Vrms\_1kHz
- Power: 9V DC(Negative tip, Optional ACD-006A adapter)
- Current Draw: approximately 100mA, <150mA
- Dimensions: 105mm(L)x115mm(W)x58(H)mm
- Weight: 440g

Accessories: User Manual, 3.5mm TRS to 5 pin MIDI adaptors, NUX sticker.

\*Specifications and features are subject to change without notice.



[www.nuxaudio.com](http://www.nuxaudio.com)

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