NU>X

New Generation Pedal Effects

Full Aluminum Alloy Casing

Core Deluxe MkII

TIME CORE
Deluxe MKII

FC CE RoHS UK CA

Made in China

User's Manual

CORE IMAGE

Core Deluxe MKII
Core deluxe series upgraded version

Digital Delay

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

The NUX TIME CORE DELUXE MKII is a delay pedal with 7 different delay types and phrase looper including Φ Phi Digital Delay, Analog Delay, Modulation Delay, Tape Echo, Pan Delay, Verb Delay, Reverse Delay and Sound On Sound. You can switch the delay type by using the rotary switch.

Φ Phi Digital Delay is a digital delay with golden ratio 2nd repeat head. It makes your guitar sounds more musical. With no-brain tweaking, setup the desired sub-division, smart tap tempo, you're ready to go.

Analog Delay is based on the BBD (Bucket Brigade Device) delay. It produces very warm sound with natural treble decay. Very suitable for ballad solo's with romantic atmosphere. Our unique algorithm replicates the physical infinity oscillation feedback while you tweak the time knob from max to min quickly.

Modulation Delay is based on Ibanez DML modulation delay. The Chorus gets really lush and rich, not at all what you would expect from an ancient digital pedal. Hold the footswitch to enter to Alt mode (the LED indicator will flash ORANGE.), then the Repeat knob will become the Mod parameter. Short press the footswitch again to quit Alt mode.

Tape Echo is based on the legendary Space Echo machine. We digitally recreated the retro-feel of a real tape and capstan configuration. Tape Echo has high-frequency saturation and low-end decay of a magnetic tape. It's gently modulated for added richness and color. Tweak the time knob from max to min quickly, you can get the infinity feedback.

Pan Delay simply moves a mono signal to a different place in the stereo field. Our Pan Delay algorithm changed ordinary panning to "gourmet" panning that involves not only stereo placement but interesting imaging possibilities. It will allow pan moves to feel less extreme where you need placements to feel natural, and more extreme when you want to create ear-candy inside headphones.

Verb Delay features Plate Reverb algorithm with Digital Delay to create an ambient atmosphere. Hold the footswitch to enter to Alt mode to tweak the Verb parameter through Repeat knob, short press the footswitch to quit Alt mode.

Reverse Delay a truly historical effect: Record a guitar part on tape. Flip the tape over. Play it back. This is a timeless effect made popular by guitar legend Jimi Hendrix, , the Reverse Delay still inspires people to try out new things.

S.O.S Sound On Sound offers a 40 seconds stereo phrase looper for guitarists to practice and create new ideas. The good feature, while you are in playback, you can quit S.O.S to another delay mode and use the effect to play, in the meantime the playback keeps going. (Note: While you quit S.O.S to another delay mode, it will engage the delay effect.)
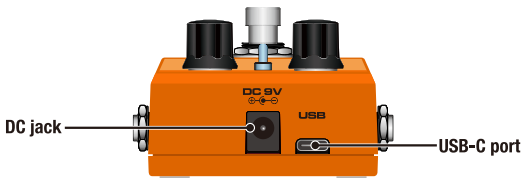
TIME CORE DELUXE MKII offers True-bypass and Buffer-bypass (Tail), adjust the 3-way toggle switch to the desired position, and you're good to go. (Note: Please follow the connections, the relay will offer you correct sound with correct applications.) The T.Lock (Tone Lock) function is a quick way to store and lock your current parameter setting to prevent accident on the stage. After you set the parameters, just toggle the switch to T.Lock position, then the LED indicator will flash GREEN for 2 times to store and lock the parameters. Then you can engage or disengage the effect by the footswitch and no worry your foot to touch the knobs.

* All of the brand and model names mentioned on this page are Trademarks of their respective owners, which are in no way associated or affiliated with NUX Effects and Cherub Technology CO. LTD.

Operation

Control Panel

TIME knob

MIX knob

Toggle switch

DELAY TYPE knob

REPEAT knob

FS Indicator

OUT jacks

IN jacks

Footswitch

I/O Jacks

DC jack

USB-C port

TIME knob

Adjusts the delay time. While you set the knob parameter at the position as your desired sub-division, then you can smart tap the footswitch to get sub-division delay time related to tap tempo.

Time range related to the models	
Φ Phi Digital Delay:	80ms ~ 1000ms
Analog Delay:	40ms ~ 403ms
Modulation Delay:	20ms ~ 1500ms
Tape Echo:	55ms ~ 552ms
Pan Delay:	80ms ~ 1000ms
Verb Delay:	80ms ~ 1000ms
Reverse Delay:	320ms ~ 1240ms

Note: The maximum delay time is 1580ms by Smart Tap Tempo.

MIX knob

Adjusts the mix level of delay.

DELAY TYPE knob

Selects the type of delay.
Note: While you enter to S.O.S, it's ready to record the phrase loop by pressing the footswitch. After you record the loop and play the playback, you can quit to another delay type, the playback keeps playing. In the meantime, you can use the delay effect to play with the playback.

REPEAT knob

Adjusts the repeat numbers of delay. In Mod D. or Verb, hold the footswitch to enter to Alt mode, in the meantime, the LED indicator will flash ORANGE, and Repeat knob will become Mod or Verb parameter. Short press the footswitch to quit Alt mode.

Toggle switch

Toggle the switch to desired position to choose the function. Tail means Buffer-Bypass to keep the delay with spillover while you disengage the effect. TB means True-Bypass, there is no spillover while you disengage the effect. T.Lock means Tone Lock. The T.Lock (Tone Lock) function is a quick way to store and lock your current parameter setting to prevent accident on the stage. After you set the parameters, just toggle the switch to T.Lock position, then the LED indicator will flash GREEN for 2 times to store and lock the parameters. Then you can engage or disengage the effect by the footswitch and no worry your foot to touch the knobs.

Footswitch & FS Indicator

Besides S.O.S type, in other delay types, press once to engage/disengage the effect. Press twice, it will become Smart Tap Tempo. In the meantime, the delay time is related to tap tempo and current sub-division parameter. (The FS indicator will flash as current BPM.)

Note: The maxim delay time of tap tempo is 1580ms.

While the effect is engaged, the FS indicator will show "Red". While the effect is disengaged, the FS indicator will turn off.

In Mod. D & Verb style, hold the footswitch can enter to Alt mode, in the meantime, the LED indicator will flash ORANGE, you can tweak Mod or Verb parameter through Repeat knob. Short press the footswitch to quit Alt mode.

In S.O.S style, the footswitch operation is like regular looper pedal. While REC, the LED indicator shows RED, while PLAY, the LED indicator shows GREEN, while OVERDUB, the LED indicator shows ORANGE.

Press Once	Hold		Press Twice	Press & Hold
REC → PLAY → OVERDUB ↻	PLAY ⇄ UNDO ← REDO	PLAY →	STOP	CLEAR

Kill Dry: Without USB connection, hold the footswitch to boot-up the pedal, if the LED indicator flash GREEN 3 times, the KILL DRY is engaged. If the LED indicator flashes RED 3 times, the KILL DRY is disengaged. (Normal)

DC jack

9V Negative Tip power with more than 150mA. (The power consumption is less than 125mA.)

USB-C port

The USB-C port is for firmware update. Connect USB cable to a PC and hold the footswitch to boot-up the device and to enter the DFU (Device Firmware Update) mode. Once connected you can do firmware updates using DFU updater software.

You can download the related firmware and firmware update guide from product page.

IN jacks

The audio inputs on the right side of this pedal are standard 1/4" jacks (mono/TS). Connect your guitar to the In (mono) audio input on the right side of your pedal using a regular 1/4" instrument cable.

The pedal also accepts stereo signals using a pair of 1/4" TS cables.

For the Mono/Stereo connection applications, please check the Connections.
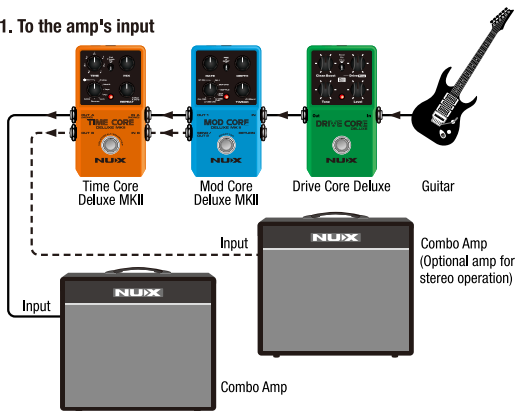
OUT jacks

The audio outputs on the left side of this pedal are standard 1/4" jacks (mono/TS). Connect the audio output of your pedal to the next device in the signal chain, either with a single cable or with a pair of 1/4" cables if both inputs are used.

For the Mono/Stereo connection applications, please check the Connections.
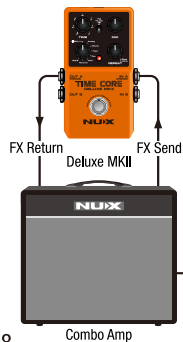
Connections

1. To the amp's input

Time Core Deluxe MKII   Mod Core Deluxe MKII   Drive Core Deluxe   Guitar

Input

Combo Amp (Optional amp for stereo operation)

Input

Combo Amp

2. In the amp's FX loop

FX Return   FX Send

Deluxe MKII

If the amp's FX loop is parallel, you will need to engage Kill Dry.

Kill Dry: Without USB connection, hold the footswitch to boot-up the pedal, if the LED indicator flash GREEN 3 times, the KILL DRY is engaged. If the LED indicator flashes RED 3 times, the KILL DRY is disengaged. (Normal)

Combo Amp   Guitar

Features

- 7 delay types in the compact enclosure.
- Φ Phi Digital Delay: Musical digital delay with golden ratio 2nd repeat head. (80ms ~ 1000ms)
- Analog Delay: Warm sound with natural treble decay. (40ms ~ 403ms)
- Modulation Delay: Lush and rich chorus with digital delay. (20ms ~ 1500ms)
- Tape Echo: High-frequency saturation and low-end decay. (55ms ~ 552ms)
- Pan Delay: Creative natural stereo feeling. (80ms ~ 1000ms)
- Verb Delay: Plate Reverb algorithm with Digital Delay to create the ambient atmosphere. (80ms ~ 1000ms)
- Reverse Delay: Inspire guitarists for new ideas. (320ms ~ 1240ms)
- S.O.S: 40 seconds stereo phrase loop.
- Sub-division with Smart Tap Tempo. (Maximum: 1580ms)
- True-bypass or Buffer-bypass(Tails).
- Supports Stereo.
- Kill Dry.
- Low power consumption. (less than 120mA)
- Analog dry signal for low noise and zero latency.

Specifications

- Input Impedance: 1MΩ
- Output Impedance: 10kΩ
- Dynamic Range: 104 dB
- DSP Processing: 48kHz / 32-bit
- A/D D/A Sampling Rate: 48kHz / 24-bit
- Power: 9V DC(Negative tip, Optional ACD-006A adapter)
- Current Draw: 120mA
- Dimensions: 122mm(L) x 72mm(W) x 47mm(H)
- Weight: 270g
* Specification may change without notice.

Accessories
- Owner's manual   ● Warranty card   ● NUX sticker

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.

产品简介

NUX TIME CORE DELUXE MKII是一款延时单块效果器。它搭载了7款不同的延时效果，包括ΦPhi Digital Delay, Analog Delay, Modulation Delay, Tape Echo, Pan Delay, Verb Delay, Reverse Delay以及一个简单的乐句循环效果Sound on Sound。您可以转动DELAY TYPE旋钮来切换所需延时效果。

ΦPhi Digital Delay是一款具有黄金比例第二播放重复磁头的数字延迟。它使您的吉他听起来更具音乐性。轻松调整旋钮，设置所需的参数值，使用Tap功能敲击速度，您就可以开始了。

Analog Delay基于老式BBD（Bucket Brigade Device）延迟。它产生带有自然高音衰减的非常温暖的声音，非常适合用于浪漫气氛的抒情独奏。当您快速将时间旋钮从最大值调整到最小值时，我们独特的算法会复制物理无限振荡反馈。

Modulation Delay基于发布于80年代的Ibanez DML（一款怪异而奇妙的调制延迟效果器）。我们选择了精彩的部分，突出了音乐时间同步调制率，提供了一种简单、无缝的浪漫音调。

Tape Echo使用NUX Core Image技术，基于RE-201磁带延迟建立数学模型。此时PARAMETER参数控制Saturation（饱和度），您可以感受到自然的失真及衰减，就像真的磁带延迟机器一样。当LEVEL和REPEAT在最大值时，瞬间将TIME旋钮扭转到零，您将得到无限反馈以及磁带镶边（flanger）变调（pitch shift）。

Pan Delay它将单声道信号在立体声空间内平移，进而创造出左右移动或回转的效果。有别于常规的Pan Delay，我们的算法多了一点点想象力，能够根据需要提供自然丝滑移动效果或激进极致的回转效果。

Verb Delay它是一种带有平板混响（Plate Reverb）效果算法的延迟效果，用于创造氛围风格。踩住或按下踩钉可激活第二功能，转动REPEAT旋钮来调节Verb参数；短踩或按一次踩钉可退出第二功能。

Reverse Delay它是一款历史悠久的延迟效果，通过将吉他信号录制在磁带上再倒着播放，然后再正常播放，创造出延迟和倒序效果。这一永恒的效果，经由传奇吉他大师Jimi Hendrix之手为人耳熟能详，时至今日依然启迪人们尝试新事物。

S.O.S全称Sound on Sound，它是一个简单的乐句循环效果，提供一个长达40秒的立体声短语循环器，供吉他手练习和创造新的思路。当循环乐句在播放时，您可以退出并切换成另一种延迟效果，以便在循环乐句的基础上使用其他延迟效果。
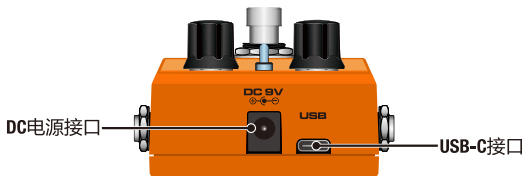
注意：当您退出S.O.S到另一种延迟模式时，它将启用延迟效果。

操作说明

控制面板

TIME旋钮

MIX旋钮

三段拨挡开关

Delay Type旋钮

Repeat旋钮

踩钉指示灯

输出接口

输入接口

踩钉

接口

DC电源接口

USB-C接口

TIME旋钮

调节延迟时间。

延迟时间范围一览表	
Φ Phi Digital Delay:	80ms ~ 1000ms
Analog Delay:	40ms ~ 403ms
Modulation Delay:	20ms ~ 1500ms
Tape Echo:	55ms ~ 552ms
Pan Delay:	80ms ~ 1000ms
Verb Delay:	80ms ~ 1000ms
Reverse Delay:	320ms ~ 1240ms

注意：最长延迟时间为1580ms（需要使用智能打点设速）。

MIX旋钮

调节延迟效果的混合比。

Delay Type旋钮

转动此旋钮来选择一种延迟效果。

注意：当DELAY TYPE旋钮置于S.O.S位置时，您再踩（按）一次踩钉即可开始录制循环乐句。完成乐句循环录制后，当循环乐句在播放时，您可以退出并切换为另一种延迟效果，以便在循环乐句的基础上使用其他延迟效果。

Repeat旋钮

用于调节延迟效果重复次数。当延迟类型为Mod D.或Verb时，您可以踩住踩钉来激活隐藏功能，隐藏功能激活后踩钉指示灯呈橙色闪烁状态，REPEAT旋钮可用于调节Mod或者Verb参数。完成调节后，再次踩（按）踩钉即可退出隐藏功能。

三段拨挡开关

根据需要拨动此开关来选定一种功能。

Tail档	带尾音保留的Buffer Bypass模式。
T.Lock档	开关处于此档时，当前设定好的参数会在踩钉指示灯闪烁绿色两次后完成保存。此时，旋钮不能再改变音色，这在现场演出时非常有用。
TB	True Bypass，不带尾音保留。

踩钉及踩钉指示灯

● 开启或关闭效果器
踩（按）此踩钉可以开启或关闭效果器。当效果器处于激活状态时，有节奏地连续踩（按）此踩钉可以完成打点设速。踩钉指示灯会依据当前的速度闪烁提供视觉参考。当效果器处于激活时，踩钉指示灯呈红色长亮状态；当效果器处于关闭时，踩钉指示灯呈熄灭状态。

注意：延迟效果时长由TIME旋钮以及打点设速共同决定。通过打点设速最长可以实现1580ms延迟时长。

● 使用乐句循环效果
S.O.S模式，当TIME CORE DELUXE MKII处于S.O.S模式时，踩钉的操作基本与常规的乐句循环效果器踩钉一致。录制循环乐句时，踩钉指示灯呈红色；播放循环乐句时，踩钉指示灯呈绿色；叠录时，踩钉指示灯呈橙色。

| Press Once | Hold | PLAY → | Press Twice | Press & Hold |
| REC ⇄ PLAY / OVERDUB | PLAY ⇄ UNDO / REDO | | STOP | CLEAR |

● **KILL DRY**（干音消除）
USB-C接口空置时，踩住踩钉然后再接入电源适配器来开启或者关闭干音消除功能。

当踩钉指示灯呈绿色闪烁三次时，干音消除功能处于开启状态；当踩钉指示灯呈红色闪烁三次时，干音消除功能处于关闭状态。

DC电源接口

DC 9V

请使用品质可靠的内负外正9V效果器专用电源供电。本效果器工作电流约为110mA。推荐使用NUX ACD-006A。

USB-C接口

USB

USB-C数据交换接口，请使用合格的USB-C数据线将本效果器连接至您的电脑进行固件更新。产品新固件、固件更新指南请移步至我司官网TIME CORE DELUXE MKII产品页面查询及下载。

输入接口

IN A
(MONO)

标准6.35mm信号输入接口，您可以根据需要选择单声道或者立体声输入。

IN B

输出接口

OUT A
(MONO)

标准6.35mm信号输出接口，您可以根据需要选择单声道或者立体声输出。

OUT B

连接场景

1. 输出至音箱的输入接口。

Time Core
Deluxe MKII

Mod Core
Deluxe MKII

Drive Core Deluxe

吉他

输入

输入

音箱
(可选立体声输出)

音箱

2. 接入音箱的效果回路

FX返回

FX发送

Time Core
Deluxe MKII

如果使用效果回路，请开启干音消除功能。

干音消除：USB-C接口空置时，踩住踩钉然后再接入电源适配器来开启或者关闭干音消除功能。

当踩钉指示灯呈绿色闪烁三次时，干音消除功能处于开启状态；当踩钉指示灯呈红色闪烁三次时，干音消除功能处于关闭状态。

18

音箱

吉他
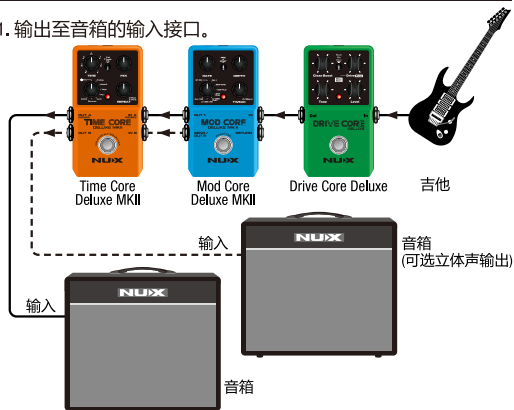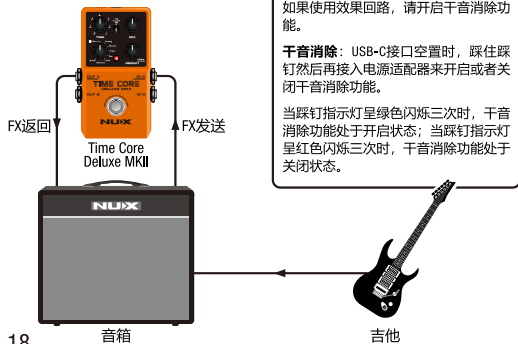
产品特点

- 集7种延迟模型于一体
- S.O.S模式提供40秒录音循环功能
- 拍点分割功能及智能打点设速（最大延迟时间可达1580ms）
- 可选True Bypass及带尾音保留功能的Buffer Bypass
- 支持立体声输入 / 输出
- 干音消除功能
- 低噪音零延迟模拟干音信号

技术规格

- 输入阻抗：1MΩ
- 输出阻抗：10kΩ
- 动态范围：103dB
- 数字音频信号处理：48kHz / 32-bit
- A/D转换D/A转换：48kHz / 24-bit
- 电源：9V交流适配器（内负外正，建议选配NUX ACD-006A）
- 需求电流：119mA
- 产品尺寸：122mm(L) x 72mm(W) x 47mm(H)
- 重量：270克

*技术规格如有变更恕不另行通知。

随机附件
- 使用手册　　- 保修卡　　- NUX贴纸

19