Owner's Manual

TIME CORE
DELUXE

NUX

www.nuxefx.com

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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!

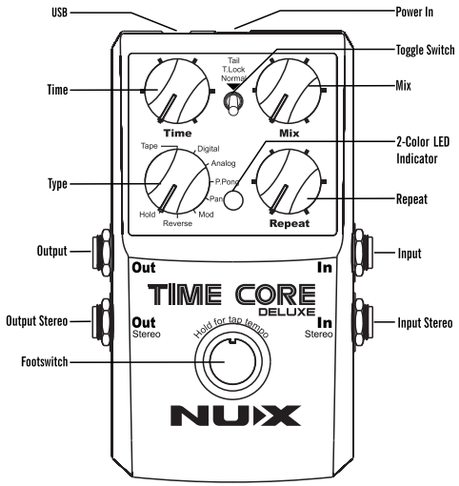
Thank you for selecting the NUX products! With years of research, we are proud to launch the new generation of the NUX pedals - The Core Deluxe Series! Based on the popular NUX Core pedals, the Deluxe series pedals have upgraded hardware circuit and new algorithm that ensure ultra-low noise and great tones!

Time Core Deluxe is a compact stomp box that offers 7 types of delay and a 40 second looper. You can get very clear digital delay, warm analog delay, and realistic tape echo tone out of this pedal. Every delay model is created by NUX TSAC Technology! Time Core Deluxe is convenient, professional and inspiring!

Features

- 7 Delay Types
- 40ms – 2000ms
- 40 Second Looper
- NUX Original TSAC Technology
- 32bit DSP, Hi-Performance 24bit 44.1kHz AD/DA Converter
- Upgraded Hardware for Ultra-Low Noise
- True-Stereo Signal Processing with Auto In/Out Routing Sensing
- Tail Feature
- Tone Lock Function to Freeze Settings and Save Preset
- True Bypass
- Powered by one 9V Battery or Optional 9V Adaptor with Negative Tip

Product Description



Time Knob
Set delay time.

Type Knob
Select delay types.

Type	Description
Tape	This models the warm echo from a vintage tape echo device. Its high end will deteriorate gradually as the repeats go.
Digital	This is a modern digital delay that gives you very clear repeats.
Analog	This delivers the tone of an analogue delay that uses bucket-brigade device (BBD). The tone is warm and slightly overdriven.
P.Pong	The Ping Pong delay caused the delay to alternate between the Left and Right outputs. You need to use stereo outputs for this effect.
Pan	The delay will be panned alternately from left to right side.
Mod	There is chorus effect added to the repeats.
Reverse	This creates a reversed playback effect.
Hold	This is a looper that allows you to record a phrase loop up to 40 seconds in stereo.

Toggle Switch
Tail: This means the repeats of the delay will not be cut when you bypass the pedal.
T.Lock: Put the toggle switch to this position will freeze the current settings.
Normal: This means that the repeats of the delay will be cut off when you bypass the pedal.

Mix Knob
Set the mix between the dry signal and the effect sound.

Repeat Knob
Set the number of repeat.

Connection

USB
For Firmware Updating.

Power In
Connect a 9V (Negative Tip) Adaptor. Optional NUX ACD-008A is recommended.
NOTE: Using other Adaptor may cause damage or noise.

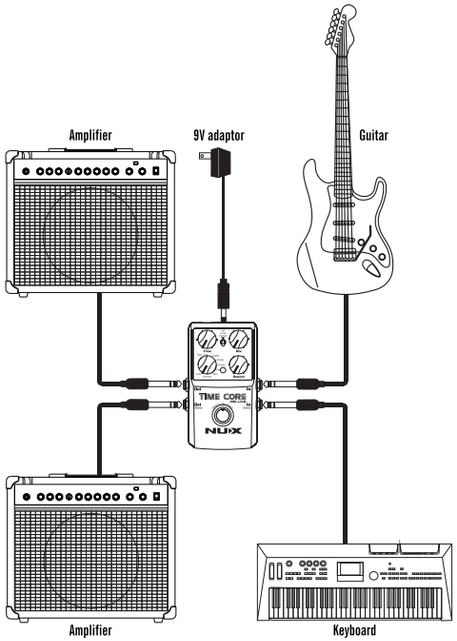
Footswitch
For all delay types except Hold mode, short press the footswitch to engage the effects or bypass the pedal; hold down the footswitch for 2 seconds to use tap tempo function.
Under Hold mode, use the footswitch to control recording.

Input
Plug in the instrument to this jack. For mono effect, use only the In jack, i.e. a guitar with mono signal.
NOTE: In jack is also the power trigger, so make sure the In jack is always connected to keep the power on.

Input Stereo
For stereo effect, use both In and In Stereo jacks, i.e. keyboard or stereo effects pedal.

Output
This outputs the signal to amplifier. For mono effect, use only the Out jack.

Output Stereo
For stereo effect, use both Out and Out Stereo jacks.



To Use The Looper(Hold)

- Turn the type knob to Hold to enter the looper mode, the LED light is off at this moment.
- Step the footswitch for the first time to start recording the first layer. The LED light will be slowly blinking in red.
  After you recorded the first layer, step the footswitch again to start playback. The LED light will light up in green.
  Then step the footswitch again to start overdubbing. The LED light will be slowly blinking in red and green together.
  Each time you step on the footswitch, it circles as Play > Dub > Play……You can record unlimited layers of overdubs.
- Step the footswitch twice in one second to stop the looper. The LED light will be blinking in green slowly under stop status.
  Under stop status, step the footswitch once to start playback. Then step the footswitch again to start overdubbing.
  Under any status, hold the footswitch for 2 seconds to clear all the recording. The LED light will be quickly blinking in red and go out.

Tone Lock Function

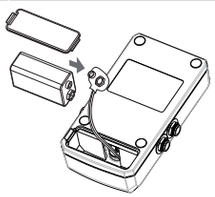
T.LOCK
Set the 3-way toggle switch to T.Lock position can temporarily freeze the current settings of the knobs. This helps to keep you settings from being changed by accident on stage.

So Save and Recall Preset
TIME CORE DELUXE allows user to save and recall one preset. After you set the effect, while holding down the footswitch, set the toggle switch to T.Lock position to save the current effect as the preset. To recall this preset, set the toggle switch to T.Lock position before you power the pedal (by plugging in the adaptor and the In jack).

NOTE: Under Tone Locked status or Preset Mode, when a knob is turned to a position that matches the saved parameter, the LED will blink once to remind you the position.

About Battery

A 9V battery is included in the package in purpose of testing. Power adaptor (optional NUX ACD-008A) is strongly recommended for this pedal since the power consumption of this unit is relatively high. If it is powered by battery, change a new battery when the LED goes dim and the sound get distorted. To save battery life, unplug the cable from the In jack when it is not in use.



Troubleshooting

Power Does Not Turn On
- Check if the adaptor is connected correctly and securely.
- If it is powered by battery, try a fresh battery.
- Check if the In jack is plugged in.

No Sound
- Try to plug the instrument directly into this pedal and output this pedal directly to the amp, and make sure the volume of the instrument and the amplifier is turned on.
- Check if all the cable connections are good and secure.

Poor Sound Quality
- Make sure all the cables are securely plugged into the pedal, guitar and the playback device, i.e. amplifiers.
- Make sure the power adaptor is with the correct voltage (DC 9V, ⊖-◐-⊖). We strongly recommend the NUX ACD-008A adaptor. Using other adaptor may cause noise or malfunction.
- If it is powered by battery, try a new battery. For longest battery life, we suggest a new, high quality ALKALINE battery.

Effects are not responding to knob settings
- Check if you are under Preset mode. Try to set the toggle switch to Normal or Tail position, turn off the power and power on again.
- Check if the toggle switch is in T.Lock position. If yes, set it to Normal or Tail position.

Specifications

Effects:	7 delay types and looper
Preset:	1
Nominal Input Level:	-20 dBu (GUITAR) +3 dBu (Max.)
Input Impedance:	1 MΩ
Nominal Out put Level:	-20 dBu (GUITAR) +3 dBu (Max.)
Output Impedance:	1 kΩ
Residual Noise Level:	-93 dBu (MIN.)
Current Draw:	103mA
Power Supply:	9V Battery or 9V AC Adaptor (optional NUX ACD-008A, 9V, ⊖-◐-⊖)
Dimensions:	122mm(L) x 72mm(W) x 47mm(H)
Weight:	270g

*Specification may change without notice.

Precautions

- Environment:
  1.Do NOT use the TIME CORE DELUXE in high temperature, or high humidity, or subzero environments.
  2.Do NOT use the TIME CORE DELUXE in the direct sunlight.
- Please do NOT disassemble the TIME CORE DELUXE by yourself.
- Please keep this manual for future reference.

Accessories

- One 9V battery (only for testing purpose)
- Owner's manual

THE FCC REGULATION WARNING (for U.S.A.)

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.

CE mark for European Harmonized Standards

CE Mark which is attached to our company's products of Battery mains the product is in fully conformity with the harmonized standard(s) EN 61000-6-3:2007+A1:2011 & EN 61000-6-1:2007 Under the Council Directive 2004/108/ EC on Electromagnetic Compatibility.

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FC CE UK ROHS

www.nuxefx.com

Made in China

TIME CORE DELUXE

数字延时效果器

使用说明书

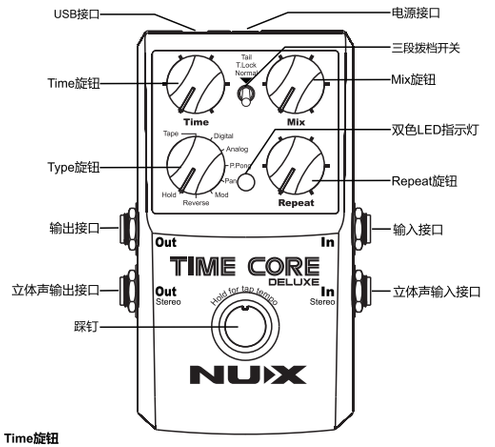
感谢您选择NUX的产品！经过数年的研究，我们很自豪的推出新一代NUX单块效果器—CORE DELUXE系列！以畅销经典款NUX CORE系列单块为基础，全新的DELUXE系列升级了硬件电路，采用新的算法（仅限于数字型号），保证让您拥有完美的音色和演出！

TIME CORE DELUXE是一款外观紧凑、集7种高质量的延时类型和一个40秒的LOOPER于一身的延时单块。您可以从这款单块得到非常清晰的数字延时、温暖的模拟延时和逼真的磁带回声音色。 每一种延时类型都由NUX原创的TSAC（仿真模拟电路）技术实现。TIME CORE DELUXE非常方便、专业，可以激发您的音乐灵感！

产品特点

- 7种延时类型
- 延时时间：40ms—2000ms
- 40秒Looper
- NUX原创的TSAC（仿真模拟电路）技术
- 32bit DSP，高品质24bit 44.1kHz数模转换
- 升级版硬件保证超低噪音
- 真立体声信号处理系统可自动检测输入/输出线路
- 切尾功能
- Tone Lock功能可以瞬间锁定设置并保存为一个预设
- 硬件直通设计
- 可用9V电池或9V（外正内负）电源适配器供电

产品界面



Time旋钮
设置延时时间。

Type旋钮
选择延时类型。

延时类型	描述
磁带延时（Tape）	模仿由复古的磁带回声设备发出的温暖的回声效果。它的高音会随着不断重复逐渐衰减。
数字延时（Digital）	经典的数字延时效果能带给您非常清晰的回声。
模拟延时（Analog）	发出一种类似由BBD设备产生的模拟延时音色。这种音色很温暖，并带有一点过载效果。
乒乓延时（P. Pong）	乒乓延时可以制造一种左右声道互相轮换的效果。对于这种效果您需要使用立体声输出。
声场移动延时（Pan）	可以制造一种逐渐左右声道移动的立体声效果。
调制延时（Mod）	将合声效果加入回声中。
倒放延时（Reverse）	制造一种反向的倒放效果。
循环录音/播放（Hold）	这是一个Looper，可以让您录制一段长达40s的立体声循环乐句。

三段拨档开关
Tail档：旁路掉此效果器后将保留踩下踏板之前的延时效果声，使延时效果的退出更加自然。
T.Lock档：锁定当前设置。
Normal： 旁路掉效果器后延时效果音会被立即切掉。

Mix旋钮
设置效果音和原音的混合比例。

Repeat旋钮
设置效果音重复的次数。

踩钉
在所有的延时模式下（Hold模式除外），短按踩钉可以激活效果或者旁路掉这个单块；长按踩钉两秒可以使用TAP测速功能。
在Hold模式下，使用踩钉来控制录音。

设备连接

USB接口
可用于软件升级。

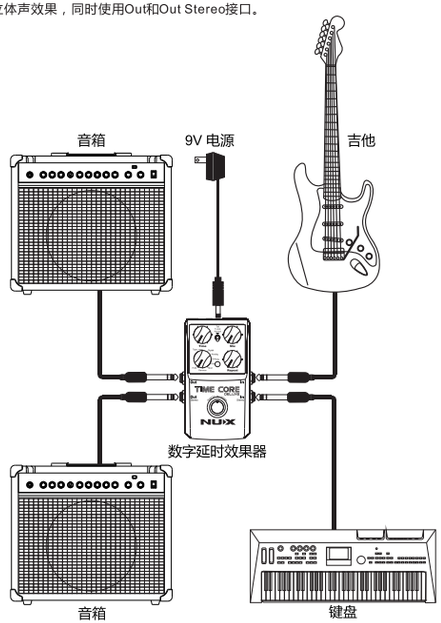
电源接口
连接9V（外正内负）电源适配器。推荐使用可选配的NUX ACD-008A适配器。
注意：选用其它适配器可能造成机器损坏或噪音。

输入接口（In）
连接乐器到此接口。对于单声道效果，仅使用In接口，例如一把吉他的单声道信号。
注意：In接口也是电源触发器，因此In接口需一直保持连接，以保证机器处于开机状态。

立体声输入接口（In Stereo）
对于立体声效果，同时使用In和In Stereo接口，例如键盘或者立体声效果单块。

输出接口（Out）
此接口将信号输出至音箱。对于单声道效果，仅使用Out接口。

立体声输出接口（Out Stereo）
对于立体声效果，同时使用Out和Out Stereo接口。



使用Looper功能（Hold模式）

将Type旋钮转到Hold档，进入looper模式，此时指示灯不亮。

首次踩下踩钉，开始第一层录音，LED红色指示灯会慢速闪烁。在录制完第一层后，再次踩下踩钉会开始回放，此时LED绿色指示灯会常亮。再次踩下踩钉可开始叠加录音，此时LED红色指示灯和绿色指示灯会一起慢速闪烁。
每次踩下踩钉都会做如下循环：播放—叠层录音—播放.....您可以录制无限多层的叠层录音。

快速短踩踩钉两次可以停止looper，停止时LED绿色指示灯慢速闪烁。在停止状态下，短踩踩钉开始回放；再次踩下开始叠加录音。在任何状态下，长踩踩钉两秒会清除所有录音，此时LED红色指示灯会快速闪烁后熄灭。

TONE LOCK 功能

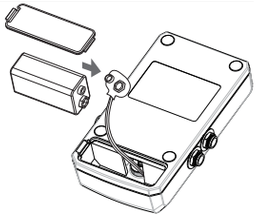
T.LOCK
设置三段拨档开关到T.Lock位置可以暂时锁定当前旋钮的设置，这将帮助您防止在舞台上因误操作而改变设定。

保存和召回预设
TIME CORE DELUXE允许用户保存和召回一个预设。在您设置效果之后，踩下踩钉，将切换器拨到T.Lock位置，可将当前的设置保存为预设。要召回预设，可在机器通电前（连接电源适配器和IN接口）将三段拨档开关拨到T.Lock位置。

注意：在锁定音色或预设模式下，当旋钮转动到与存储的参数相匹配的位置时，LED会闪烁一次提醒你这个位置。

关于电池

本机随包装赠送一颗9V电池，用于测试用途。当效果器电源指示灯变暗，甚至声音不正常时，请更换新的电池。为了避免不必要的电池消耗，在不用效果器时，请把音频线从In输入口中拔出。强烈推荐使用选配NUX ACD-008A电源适配器或者高质量效果器专用电源供电。



故障排除

无法开机
- 检查电源适配器是否连接正确牢固。
- 如果使用电池供电，请尝试更换新电池。
- 检查In接口是否连接。

没有声音
- 尝试将乐器直接连接到单块，并将单块输出直接连接至音箱，保证乐器和音箱的音量都已打开。
- 检查所有连接线是否连接正确牢固。

声音质量低
- 确保所有连接线与单块、吉他和播放装置（例如音箱）连接牢固。
- 确保使用正确的电源适配器（9V，⊖-◐-⊕）。我们强烈建议您选用NUX ACD-008A电源适配器。使用其它适配器可能会造成噪音或故障。
- 如果使用电池供电，请尝试更换电池。为获得最长的电池使用寿命，我们建议您使用新的高质量的碱性电池。

转动旋钮无法改变效果
- 检查是否在预设模式下。尝试将三档开关拨到Normal或者Tail位置，关掉电源并再次打开电源。
- 检查切换器是否在T.Lock位置，如果是，将它切换到Normal或者Tail位置。

技术规格

- 效果类型： 7种延时效果和循环录音效果
- 预设数量： 1
- 标称输入电平： -20 dBu (吉他) +3 dBu (最大)
- 输入阻抗: 1 MΩ
- 标称输出电平： -20 dBu (吉他) +3 dBu (最大)
- 输出阻抗: 1 kΩ
- 残余噪声水平: -93 dBu（最小）
- 电流消耗: 103 mA
- 电源供应： 9V电池或者9V交流适配器（可选配NUX ACD-008A 9V ⊖-◐-⊕）
- 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。

注意事项

- 使用环境：
  1.避免在高温、潮湿、零下等恶劣的环境中使用。
  2.避免在阳光直射下使用。
- 请勿自行拆卸本机。
- 请保存好本手册以便以后查阅。

随机附件

- 一个 9伏电池(仅作测试用途)
- 说明书

质量承诺

亲爱的小天使用户：

在您使用小天使产品时，请仔细参阅产品说明书，当您有疑问和困难时，请拨打售后服务热线：**400-990-9866**

- 一周内出现质量问题可退货退款
- 一年内出现质量问题可免费维修
- 一月内出现质量问题可调换
- 终身享有咨询和维修服务

［请向销售商索取有效购买凭证并予以保存］

换修政策

一、包换政策：
1.消费者自购机之日起1个月之内 ，在正常使用情况下，出现非人为的产品性能故障，且产品外观及包装保持完好的可向所购机的经销商换机。
2.消费者在换机时应出示由经销商开出的购机收据及保修卡，否则经销商可以不予更换。

二、保修政策：
产品在购买之日起1年内，可免费享有维修服务；对于超过1年的产品及人为或不可抗力因素造成损坏的产品，我司可提供有偿维修服务。

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CE

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