NUX
MINI CORE SERIES

NSS-4 Pulse
User manual

FC CE ☒ ✓ RoHS UK CA

www.nuxefx.com
Made in China

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

Pulse (NSS-4) is a mini IR-Loader pedal with 3 different modes including EG CAB, BS CAB, and AG IR. You can switch the types by tapping the tap switch. Besides that, you can use Pulse as a silent practice tool (1/8" phone jack) in the end of your pedalboard and even as a USB recording interface onto DAW.

EG CAB means electric guitar cabinet IRs
Pulse offers 8 guitar cab IRs: JZ120(Roland Jazz 120), DR112(Fender Deluxe Reverb), BS410(Fender Bassman 410), A212(VOX AC30 212), TR212(Fender Twin Reverb 212), 1960(Marshall 1960A 412), GB412(Celestion Greenback 412), V412(Celestion Vintage30 412).

BS CAB means bass cabinet IRs
Pulse offers 8 bass cab IRs: AGL DB810(Aguilar DB 810), AMP SV810(Ampeg SV810), MKB 410(Mark Bass 410), TRC 410(Trace Elliot 410), AMP SV410(Ampeg SV410 + Tweeter), Bassguy 410(Fender Bassman 410), Eden 410(EDEN 410), AMP SV212(Ampeg SV212).
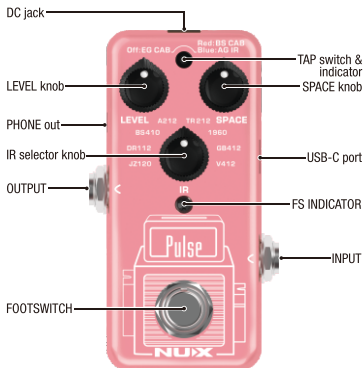
AG IR means acoustic guitar IRs
Pulse offers 8 acoustic guitar IRs: G HBird EG Mag(Gibson Hummingbird for Electric Guitar Magnetic PU), G J15 EG Mag(Gibson J15 for Electric Guitar Magnetic PU), M D45 EG Mag(Martin D45 for Electric Guitar Magnetic PU), G HBird Pie(Gibson Hummingbird for Acoustic Guitar Piezo under saddle PU), G J15 Pie(Gibson J15 for Acoustic Guitar Piezo under saddle PU), M D45 Pie(Martin D45 for Acoustic Guitar Piezo under saddle PU), M HD28 Pie(Martin HD28 for Acoustic Guitar Piezo under saddle PU), T 814 Pie(Taylor 814 for Acoustic Guitar Piezo under saddle PU).

Pulse IR-Loader offers True-bypass and Buffer-bypass (Trails), just hold the footswitch to boot-up the pedal (do not connect USB). The footswitch indicator will show you the bypass status. (While you boot-up the pedal, if the FS indicator flashes "Green"=BF, "Red"=TB.)

Mini but mighty! It also supports Stereo input & output. (Use 1/4" TRS plug, and choose Stereo mode.)

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

DC jack
LEVEL knob
PHONE out
IR selector knob
OUTPUT
FOOTSWITCH

TAP switch & indicator
SPACE knob
USB-C port
FS INDICATOR
INPUT

Control Panel

LEVEL knob
Adjusts the output volume.

SPACE knob
Adjusts the room size.

IR selector knob
Switch the IR slot.

TAP switch & indicator
Short press it, you can switch the IR type. "Off"=EG CAB, "Red"=BS CAB, "Blue"=AG IR.

Hold the TAP switch to boot-up the pedal can choose "Mono" or "Stereo". While you boot-up the pedal, if the Tap Switch Indicator flashes "Blue"=Mono, "Red"=Stereo.

FOOTSWITCH & FS INDICATOR
Press once to engage/disengage the effect. While the effect is engaged, the FS indicator will show "Red". While the effect is disengaged, the FS indicator will turn off.

I/O Jacks

DC jack
Use ONLY: 9V Negative Tip power with more than 100mA. (The power consumption is less than 100mA.)

USB-C port
The USB-C port is for firmware updates. 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.

USB audio interface.

Connect with Pulse edit software.

INPUT
Connect the cable from guitar side.

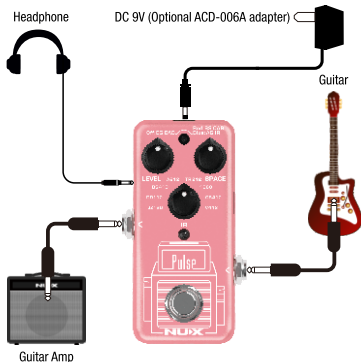It also supports Stereo input & output. (Use 1/4" TRS plug, and choose Stereo mode.)

OUTPUT
Connect the OUTPUT signal to amp side.

It also supports Stereo input & output. (Use 1/4" TRS plug, and choose Stereo mode.)

PHONE out
1/8" headphone output for silent practice and USB stream monitoring.

Headphone

DC 9V (Optional ACD-006A adapter)

Guitar

Guitar Amp

Edit Software

You can download Pulse Edit Software on the product page. For the default slots, you can replace any 3rd party IRs into them. Pulse Editor will convert WAV format automatically.

You can setup the USB stream routing on Pulse editor.

For MAC, there is no need for driver. For WIN, please visit the product page and click Support to download the related ASIO driver.

For more operation tips and tutorials, you can search it on NUX EFX & Amplifier YouTube channel.

Features

- 3 default IR types in the mini enclosure. (Total=24slots)
- EG CAB: JZ120, DR112, BS410, A212, TR212, 1960, GB412, V412.
- BS CAB: AGL DB810, AMP SV810, MKB 410, TRC 410, AMP SV410, Bassguy 410, Eden 410, AMP SV212.
- AG IR: G HBird EG Mag, G J15 EG Mag, M D45 EG Mag, G HBird Pie, G J15 Pie, M D45 Pie, M HD28 Pie, T 814 Pie.
- 1024 samples real time calculation.
- True Bypass or Buffer Bypass.
- Supports Stereo.
- Low power consumption. (less than 100mA)
- USB Audio Stream, Firmware Update.
- Pulse Editor for 3rd party IR loading. IR tweaking. (IR Level, Low Cut, High Cut)
- WAV format supports automatically. (through Pulse Editor)

Specifications

- Input Impedance: 1MΩ
- Output Impedance: 10kΩ
- Earphone Output Impedance: 10Ω
- Dynamic Range: 103 dB
- DSP Processing: 48kHz / 32bit
- A/D D/A Sampling Rate: 48kHz / 24bit
- Power: 9V DC(Negative tip, Optional ACD-006A adapter)
- Current Draw: less than 150mA
- Dimensions: 94mm(L) x 51mm(W) x 53mm(H)
- Weight: 175g

Accessories

- Owner's manual
- Warranty card

＊Specification may change without notice.

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.

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产品简介

Pulse(NSS-4)是一款迷你IR Loader(IR加载器)。它内置了3类IR包括电吉他箱体模拟IR(EG CAB)、贝斯箱体模拟IR(BS CAB)以及箱琴吉他模拟IR(AG IR)，您可以使用TAP按键切换所需IR类型。此外，您还可以将NSS-4 置于效果器板末端用于静音练习或是连接电脑将其用作USB录音接口。

EG CAB(电吉他箱体模拟IR)

JZ120(Roland Jazz 120), DR112(Fender Deluxe Reverb), BS410(Fender Bassman 410), A212(VOX AC30 212), TR212(Fender Twin Reverb 212), 1960(Marshall 1960A 412), GB412(Celestion Greenback 412), V412(Celestion Vintage30 412).
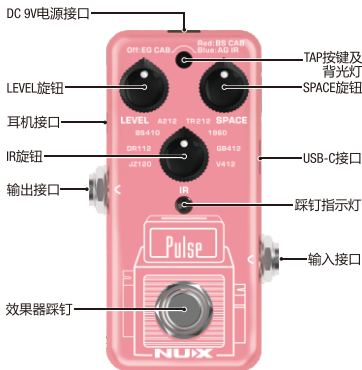
BS CAB(贝斯箱体模拟IR)

AGL DB810(Aguilar DB 810), AMP SV810(Ampeg SV810), MKB 410(Mark Bass 410), TRC 410(Trace Elliot 410), AMP SV410(Ampeg SV410 + Tweeter), Bassguy 410(Fender Bassman 410), Eden 410(EDEN 410), AMP SV212(Ampeg SV212).

AG IR(箱琴吉他模拟IR)

G HBird EG Mag(Gibson Hummingbird for Electric Guitar Magnetic PU), G J15 EG Mag(Gibson J15 for Electric Guitar Magnetic PU), M D45 EG Mag(Martin D45 for Electric Guitar Magnetic PU), G Hbird Pie(Gibson Hummingbird for Acoustic Guitar Piezo under saddle PU), G J15 Pie(Gibson J15 for Acoustic Guitar Piezo under saddle PU), M D45 Pie(Martin D45 for Acoustic Guitar Piezo under saddle PU), M HD28 Pie(Martin HD28 for Acoustic Guitar Piezo under saddle PU), T814 Pie(Taylor 814 for Acoustic Guitar Piezo under saddle PU).

操作说明

DC 9V电源接口
TAP按键及背光灯
LEVEL旋钮
SPACE旋钮
耳机接口
IR旋钮
USB-C接口
输出接口
踩钉指示灯
效果器踩钉
输入接口

Pulse

NU·X

控制面板
LEVEL旋钮
调节输出音量大小。

SPACE旋钮
调节音效的临场感。

IR旋钮
IR选择旋钮，转动此旋钮可切换当前IR类型下的8个IR。

TAP按键及背光灯
● 切换IR类型
短按此按键来切换IR类型。TAP按键背光灯状态与IR类型对应关系如下：
TAP按键背光灯熄灭 = "EG CAB"模式；
TAP按键亮红色背光灯 = "BS CAB"模式；
TAP按键亮蓝色背光灯 = "AG IR"模式。

● 切换输入/输出模式
NSS-4既支持单声道输入/输出又支持立体声输入/输出，您可以按住TAP按键再连接电源适配器来切换输入/输出模式。TAP按键背光灯状态与输入/输出模式对应关系如下：
TAP按键亮蓝色背光 = 单声道输入/输出模式；
TAP按键亮红色背光 = 立体声输入/输出模式。

效果器踩钉及踩钉指示灯
● 开启/关闭效果
踩效果器踩钉一次来开启或关闭效果，效果处于开启状态时踩钉指示灯为红色；效果处于关闭状态时踩钉指示灯处于熄灭状态。

● 切换直通模式
NSS-4既支持缓冲直通（Buffer Bypass）模式又支持真直通模式（True Bypass），您可以按住效果器踩钉再连接电源适配器来切换直通模式。踩钉指示灯与直通模式对应关系如下：
绿色 = 缓冲直通模式【带尾音保留（Trails）】；
红色 = 真直通模式。

I/O 接口

DC 9V电源接口

请使用合格的、输出接口为内负外正的9V电源适配器为本产品供电。我们建议您选配NUX ACD-006A电源适配器，因为使用不兼容的电源适配器可能会引起噪音甚至功能故障。

USB-C接口

USB-C数据交换接口，请使用合格的USB-C数据线将本产品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NSS-4产品页面查询及下载。
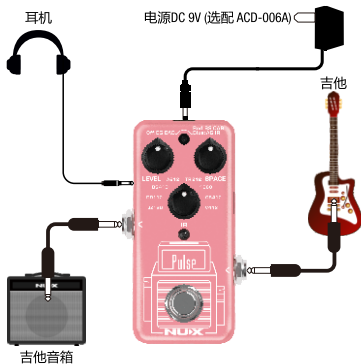
INPUT接口

6.35mm信号输入接口，请将吉他连接至本接口。

OUTPUT接口

6.35mm信号输出接口，请将吉他音箱连接至本接口。

注意： 如果要使用立体声输入/输出，请务必将输入/输出模式设置为立体声并使用立体声导线（TRS patch cable）连接。

耳机接口

3.5mm立体声耳机接口，可用于静音练习或录音时监听。

耳机　　电源DC 9V (选配 ACD-006A)

吉他

吉他音箱

编辑软件

请访问问我司官网NSS-4产品页面下载配套的Pulse编辑软件。使用Pulse编辑软件可导入第三方IR，Pulse编辑软件自带格式转换工具，可导入任意wav格式IR。

使用Pulse编辑软件可配置USB音频串流相关设置。

注意： Windows用户需要访问官网NSS-4产品页面下载并安装专用ASIO驱动；MacOS原生支持Core Audio，所以Mac用户无需安装驱动。您可以访问我司官网NSS-4产品页面、我司微信公众号或哔哩哔哩获取NSS-4以及编辑软件更多介绍。

产品特点

- 内置3类IR，合计24个IR文件
- 电吉他箱体模拟IR：JZ120, DR112, BS410, A212, TR212, 1960, GB412, V412
- 贝斯箱体模拟IR：AGL DB810, AMP SV810, MKB 410, TRC 410, AMP Sv410, Bassguy 410, Eden 410, AMP Sv212
- 箱琴吉他模拟IR：G HBird EG Mag, G J15 EG Mag, M D45 EG Mag, G HBird Pie, G J15 Pie, M D45 Pie, M HD28 Pie, T 814 Pie
- 1024采样点IR
- 可切换缓冲直通（Buffer Bypass）或真直通模式（True Bypass）
- 支持立体声输入/输出
- 低功耗（需求电流小于100mA）
- 支持USB音频串流
- 可使用配套编辑软件加载第三方IR以及调节IR参数
- 配套编辑软件内置IR wav文件格式转换器

技术规格

- 输入阻抗：1MΩ
- 输出阻抗：10kΩ
- 耳机接口输出阻抗：10Ω
- 动态范围：103dB
- 数字音频信号处理：48kHz / 32bit
- AD转换/DA转换：48kHz / 24bit
- 电源：9V直流电源内负外正(选配NUX ACD-006A)
- 需求电流：小于150mA
- 体积：94mm (长) x 51mm (宽) x 53mm (高)
- 重量：175g

随机附件

- 使用说明书　●保修卡

*技术规格如有变更恕不另行通知。

有关产品中所含有害物质的说明

为了控制和减少电器电子产品废弃后对环境造成的污染，本资料就本公司产品中所含的特定有害物质及其安全性予以说明。
本资料适用于2016年7月1号以后本公司所制造的产品。

环保使用期限

此标志适用于在中国国内销售的电子信息产品，表示环保使用期限的年数。所谓环保使用期限是指在制造日起的规定期限内，产品中所含的有害物质不致引起环境污染，不会对人身、财产造成严重的不良影响。环保使用期限仅在遵照产品使用说明时，正确使用产品的条件下才有效。不当的使用，将会导致有害物质泄漏的危险。

产品中有害物质的名称及含量

部件名称		有害物质					
		铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
主体	塑胶件	O	O	O	O	O	O
	五金件	×	O	O	O	O	O
	硅胶件	O	O	O	O	O	O
	内置电路板	×	O	O	O	O	O
附件	*交流电源适 配器、线缆	×	O	O	O	O	O

* 表示某些产品可能不含有这些项目，上表当中的信息仅在产品含有这些项目时适用。

本表格依据SJ/T 11364的规定编制。

O：表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。

×：表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572规定的限量要求，因根据现有的技术水平，还没有什么物质能够代替它。

保护环境

如果需要废弃本产品，请遵循本相关指引，请勿随意丢弃或作为生活垃圾处理，以避免对环境造成污染。

质量承诺

亲爱的 NUX 用户：
　在您使用 NUX 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

[请向销售商索取正规发票并予以保存]

换修政策

一、包换政策：

　　1、消费者通过正规授权渠道购买的产品，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，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凭证，否则经销商可以不予更换。

二、保修政策：

　　1、消费者通过正规授权渠道购买的产品(以发票所示销售方为准)，自购买之日起1年内，若出现非人为损坏的性能故障，可享有免费维修服务。

　　2、对于超过1年或人为及不可抗力因素造成损坏的产品，　我司可提供有偿维修服务。

*本售后政策仅适用于中国大陆地区，其它国家及地区以当地售后政策及法律法规为准。

合 格 证
Certificate

检验员 Inspector		名 称 Name	迷你IR效果器
生产日期 Date		型 号 Type	**NSS-4**

本产品经检验合格
This product is inspected and approved.

执行标准: Q/WKDZ 001-2020
Product is certificated with Q/WKDZ 001-2020