

NUX

Owner's Manual



Solid Studio MKII

Preamp, Power Amp simulator & IR Loader

Stompbox

TS/AC 4K



Verdugo MKII Series

Copyright

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Accuracy

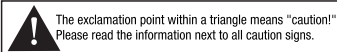
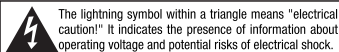
Whilst every effort has been made to ensure the accuracy and content of this manual, Cherub Technology Co., Ltd. makes no representations or warranties regarding the contents.

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.



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

Thank you for purchasing the **SOLID STUDIO MKII** Preamp, Power Amp simulation, and IR loader stomp box. Since the SOLID STUDIO release a few years ago has revolutionized the Power Amp simulation and IR resolution market.

*This is a quick start manual to get you up and running quickly with the SOLID STUDIO MKII. If you are looking for in-depth information, please visit the product page and Facebook discussion group.

We are introducing SOLID STUDIO MKII, an end-to-end tone-shaping Amp Simulator, and independent L/R CYBER IR™ Engine, ushering in the following milestone evolution of the NUX.

Building upon the acclaimed Impulse Response lineage, SOLID STUDIO MKII adds independent Pre & Power Amp White-box Algorithm Modeling (TSAC-4K), stereo CYBER IR™ Engine, USB-C MIDI integration, and an intuitive PC editor (also the mobile APP), empowering players of all walks with apex-level tone in a go-anywhere footprint.

This world-class amp modeling algorithm comes fully loaded with features and functionality. Like their natural counterparts, the amps have HIGH / LOW inputs, four inputs for patch cable jumping, a toggle switch for voicing, and max tweaking.

Independent Pre & Power Amp simulation allows you to create a tone with different vacuum combinations.

The stereo CYBER IR™ Engine drives left and right Cabinets as you want, giving you a wider world experience than you can imagine.

For deft ease-of-use, EFXMobile (iOS/Android) and SolidStudio Editor (MacOS/Windows) serve as the nexus of your tone-shaping experience; simply hookup to your Phone, Tablet, or Desktop and experience liberated 1:1 integration with every editable parameter in the SOLID STUDIO MKII architecture.

Tonally, everything you demand from a state-of-the-art digital Amp Sim is here; whether it's a thundering high-gain onslaught, a sublime clean primed to serve as the foundation of a pedalboard rig, or a mojo-fuelled Brit-inspired roar, every base is covered. SOLID STUDIO MKII, it's more than our masterpiece: a back-line in your gig bag and a macrocosm of next-level tonal excellence.

Build like a tank. The SOLID STUDIO MKII uses one-piece die-cast aluminum chase, it's solid, strong, build for live performance.

The SOLID STUDIO MKII is also a powerful studio device. You can download SOLID STUDIO Editor™ from the product page to edit patches, and setup the USB routing. The SOLID STUDIO MKII can do USB dry-out and reamp, so it's useful to create guitar tracks with mixing.

Warning!!

In order to offer you the best dynamic range of USB Streaming, the SOLID STUDIO MKII doesn't attenuate the PC's system playback volume. When using the SOLID STUDIO MKII as a USB audio interface, remember to adjust your PC's playback volume from the "minimum" to the desired volume. Take care of your ears.

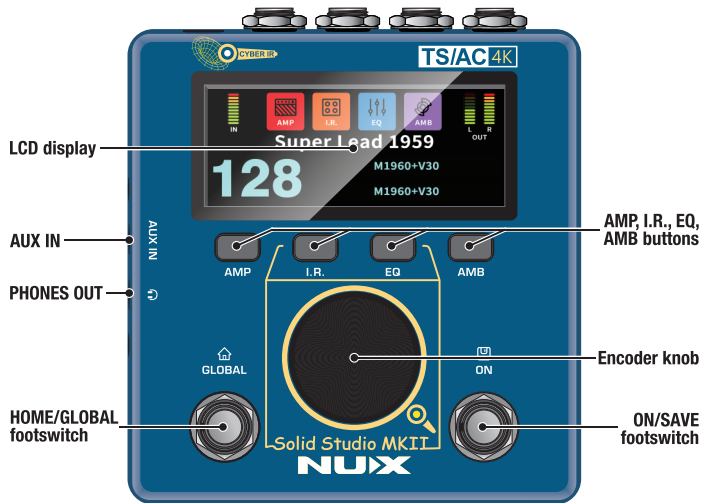
Thank you for choosing the SOLID STUDIO MKII. Please remember to visit the product page often or Facebook discussion group to get the newest information, firmware, editor version.

Features

- | | |
|---|--|
| ● | Stereo CYBER IR™ Engine with dual 1024 samples resolution. |
| ● | Independent Pre & Power amp simulation with TSAC-4K white-box amp modeling algorithm. |
| ● | World-class amp modeling algorithm with full functions. (Like 4 inputs for patch cable jumping.)
*Currently 8 classic AMP models. |
| ● | One-piece die-cast aluminum chassis. |
| ● | AMP, I.R., EQ, AMB effect blocks with free routing order. |
| ● | 2.86" color LCD display (960*376) with intuitive operations. |
| ● | 128 preset slots, independent L/R 60 IR slots. |
| ● | Build-in NOISE GATE, EQ, PHONES LEVEL, AUX IN LEVEL, OUT LEVEL in global setting. |
| ● | NORMAL, INJECT input modes. (INJECT to parallel the power amp signal.) |
| ● | USB audio interface, firmware update, SOLID STUDIO editor™ edit software. |
| ● | USB-C MIDI, THROUGH jack (parallel the Power Amp signal), stereo balanced 1/4" outs with GND lift, Phones Out for silent practice. |
| ● | Great Dynamic Range: 110dB |
| ● | Ultra-low latency: 0.85ms (bypass), 1.9ms (efx engaged) |

Control Panel

•Top & Left panel



LCD display

It presents all the information you need. (2.86" 960*376)

AMP, I.R., EQ, AMB buttons

Short press to engage/disengage the related efx block. Long press to enter to the related efx block for parameter adjustments. Hold 2 buttons to exchange the target block order.

NOTE: The AMP block is fixed at the front of the efx chain and cannot be moved. The other three blocks (I.R., EQ, and AMB) can switch positions by pressing and holding any two of their buttons simultaneously for one second.

Under edit mode, these 4 buttons are related to target parameter blocks.

HOME/GLOBAL footswitch

Hold to enter GLOBAL SETTING, short press to quit upper layer as HOME.

ON/SAVE footswitch

Hold to SAVE. Short press to engage/disengage the current PRESET.

NOTE: You can assign FS setting in GLOBAL SETTING.



If you choose FS1(HOME/GLOBAL) as preset down and FS2(ON/SAVE) as preset up, in the meantime you can press both footswitches for bypass.

Encoder knob

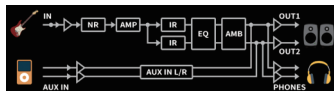
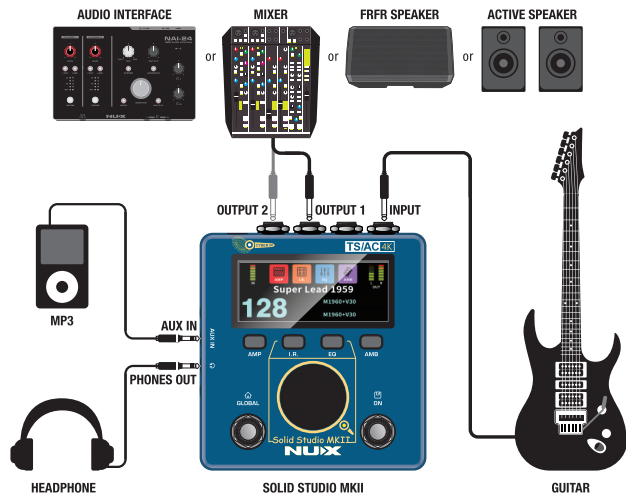
Under edit mode, short press to enter the target layer. Rotate the knob for parameter adjustments.

AUX IN

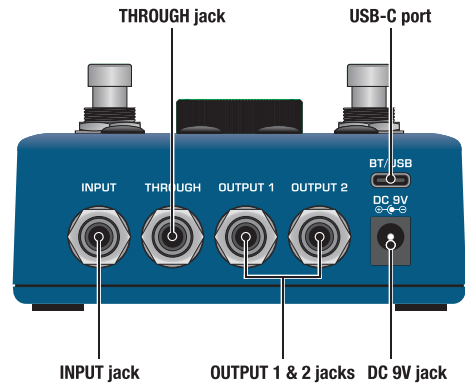
Connect your external connected devices to play through with the pairing Aux-In cable(1/8" TRS stereo).

PHONES OUT

Connect your headphones for silent practice. (1/8" TRS stereo)

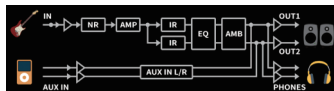
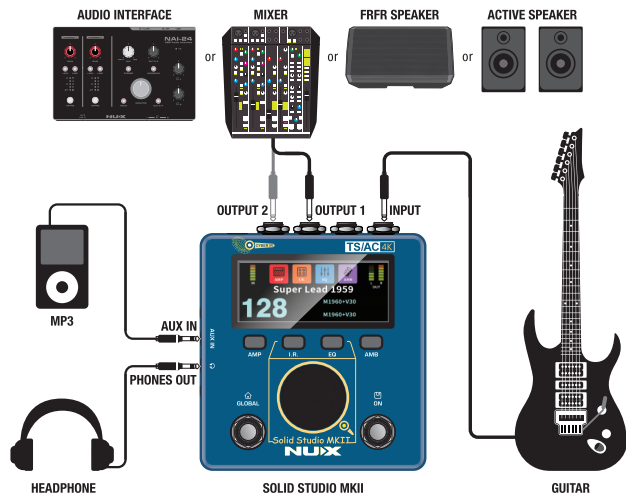


•Front panel



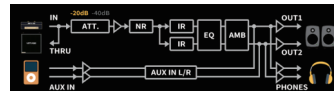
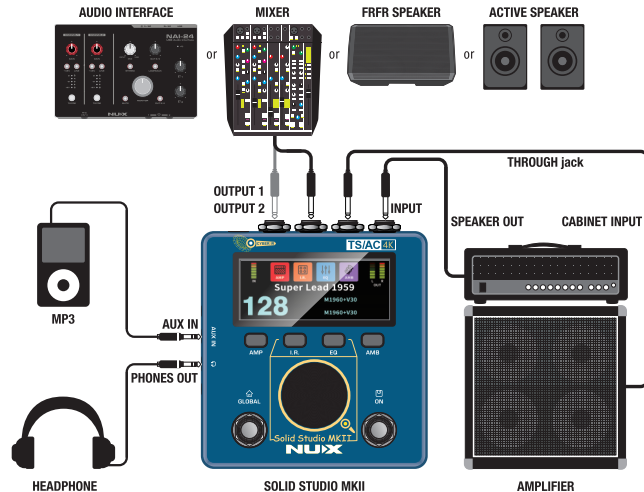
INPUT jack

Connect with guitar signal or amp out.



THROUGH jack

While you connect with the amp out with the INPUT, you have to connect the cabinet or load box with THROUGH jack.



⚠ Warning!!

When an amp is connected to the INPUT jack, the related cabinet or a suitable load box has to be connected to the THROUGH jack of the pedal.

In the meantime, please go to GLOBAL SETTING -> I/O MODE -> INJECT to choose -20dB or -40dB.

⚠ **NOTE:** When you choose INJECT mode, it means you connect with a real AMPLIFIER, so the pedal will DISENGAGE(Bypass) the AMP block automatically.

THROUGH connected to a speaker rated at 16Ω
-20dB: 15.2W , -40dB: 100W
THROUGH connected to a speaker rated at 8Ω
-20dB: 30.3W , -40dB: 100W
THROUGH connected to a speaker rated at 4Ω
-20dB: 60.5W , -40dB: 100W

OUTPUT 1 & 2 jacks

Connect these 2 outputs to active FRFR speakers or PA systems. These 2 outputs support TRS balanced outputs. OUTPUT1 is left, OUTPUT2 is right.

DC 9V jack

Please connect with 2.1mm negative center 9V / 600mA power supply.

USB-C port

It supports Firmware Update, PC Editor, OTG mobile APP, Audio Interface, and USB MIDI.

Please visit the product page for the related software and firmware.

Quick Operation

1.Preset Mode

- (1) If the FS setting: FS1 as HOME/GLOBAL, FS as ON/SAVE. Then you can engage/disengage the current preset by pressing FS2. Rotate the Encoder knob to choose the target preset.
- (2) If the FS setting: FS1 as preset down, FS as preset up. Then you can do up/down by pressing FS2/FS1. Also, you can rotate the Encoder knob to choose the target preset.

2.Edit Mode

- (1) Under preset mode, short press AMP, I.R., EQ, AMP button to engage/disengage the related efx block. Hold the target button to enter the related efx block for parameter adjustment (edit mode).
- (2) While you long press the button to enter to edit mode, the 4 buttons are related to the button name as display shows. In the meantime, press the button and rotate the Encoder knob to tweak the sound.
- (3) Quit to upper layer by short pressing HOME/GLOBAL FS (Fs1).
- (4) SAVE: After the adjustment, hold ON/SAVE FS (FS2) to save the preset.

3. GLOBAL SETTING

- (1) Press and hold HOME/GLOBAL FS (FS1) to enter to GLOBAL SETTING. Rotate the Encoder Knob to select the target setting, and press the Encoder Knob to enter.



- (2) Press the 4 buttons to choose the related parameter, then rotate the Encoder to tweak the parameter.

GLOBAL SETTING list

NOISE GATE

GLOBAL SETTING

NOISE GATE GLOBAL EQ(IN) LEVEL I/O MODE

DISPLAY FS PARA.FOLLOW FACTORY

NOISE GATE

THRESHOLD 50 DECAY 50 ENGAGE

DISENGAGE

THRESHOLD DECAY BYPASS

GLOBAL EQ (IN)

GLOBAL SETTING

NOISE GATE GLOBAL EQ(IN) LEVEL I/O MODE

DISPLAY FS PARA.FOLLOW FACTORY

GLOBAL EQ (IN)

TRIM BASS MIDDLE TREBLE

TRIM BASS MIDDLE TREBLE

LEVEL

GLOBAL SETTING

NOISE GATE GLOBAL EQ(IN) LEVEL I/O MODE

DISPLAY FS PARA.FOLLOW FACTORY

LEVEL

PHONES 50 AUX IN 50 OUT 50

PHONES AUX IN OUT

I/O MODE

GLOBAL SETTING

NOISE GATE GLOBAL EQ(IN) LEVEL I/O MODE

DISPLAY FS PARA.FOLLOW FACTORY

I/O MODE

NORMAL INJECT

LIFT

DISPLAY

GLOBAL SETTING

NOISE GATE GLOBAL EQ(IN) LEVEL I/O MODE

DISPLAY FS PARA.FOLLOW FACTORY

DISPLAY

BRIGHTNESS 30%

FS

GLOBAL SETTING

NOISE GATE GLOBAL EQ(IN) LEVEL I/O MODE

DISPLAY FS PARA.FOLLOW FACTORY

FS

1: HOME 2: ENGAGE/DISENGAGE

1: PRESET DN 2: PRESET UP

PARA.FOLLOW

GLOBAL SETTING

NOISE GATE GLOBAL EQ(IN) LEVEL I/O MODE

DISPLAY FS PARA.FOLLOW FACTORY

PARA.FOLLOW

ON OFF

FACTORY

GLOBAL SETTING

NOISE GATE GLOBAL EQ(IN) LEVEL I/O MODE

DISPLAY FS PARA.FOLLOW FACTORY

FACTORY

RESET

RESTORE ALL PRESET TO FACTORY SETTING ? ARE YOU SURE ?

NO YES HW CONTROL

INFO

MODEL: NSS-6 VERSION: V1.0.0

SOLID STUDIO MKII™ Editor

You can download the SOLID STUDIO MKII™ editor from the product page. Here, you can see the interface for adjusting parameters, dragging block order, save patches, load patches, export patches, load IRs, set up USB routing on SOLID STUDIO MKII™ editor.



PC software



Phone software

Specifications

● INPUT Impedance:	1M Ω
● AUX IN Impedance:	10k Ω
● OUTPUT 1, OUTPUT 2 Impedance:	100 Ω
● Phone Impedance:	10 Ω
● Dynamic Range:	110 dB
● Sampling Rate:	48kHz / 32 bit
● System Latency:	0.85 ms (Bypass) ; 1.9 ms (Effect On)
● Power:	9V DC (Negative Tip)
● Dimensions:	105(L) x 115(W) x 57(H)mm
● Weight:	430g

*Specifications and features are subject to change without notice.

What's in the Box ?

NSS-6 x 1 USB cable x 1 User manual x 1 NUX sticker x 1

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