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 covers. No user-serviceable parts inside. Refer servicing to qualified service personnel.

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. 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 risk of electric shock.

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 enclosures.
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 the point where they exit from the apparatus.
8. Pronged 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!

NUX is proud to introduce the new Verdugo series SS-5 Solid Studio IR & Power Amp simulator, a pedal version of the most classic amp / cabinet scenarios including microphone placement and the presence of internal power amp. Over many years of research, Solid Studio was specifically developed to fill the essential needs of discerning musicians and sound technicians, including the art of mic-ing instrument amplifiers on stage or in the studio. Solid Studio provides ease-of-use, reliability, versatility, and, above all, incredible audio quality.

NUX Solid Studio was created and designed to address: limited gear availability, and the cumbersome transport reality of physical amp / speaker cabinets.

NUX Solid Studio offers a “portable” alternative to traditional cabinet mic-ing and it has the perfect line-output everyone should have at the final stage of their pedal chain to send the sound directly to a PA or a recorder. Plus, power amp simulation with Master, Drive, and Presence controls, and 3 Power Tube selections, offers more variation for sound enhancement.

There are couple of ways to add Solid Studio into the signal chain. (Please check the “Connection Methods” section)

NUX Solid Studio comes with 8 cabinets, 8 microphones and 3 power amp tube simulations, all of which are the most commonly used models in the world. You can also upgrade and add other cabinets through Solid Studio Software. Virtual mic-ing is achieved by choosing 1 cabinet and 1 microphone, and fine-tuning the position of the microphone using the mic position switch.
Loading 3rd Party IR Files
Plug the USB cable to the PC and you can see the pedal “Connected” on left top of the corner. Now you can control all parameters on the pedal, and save as a preset. Preset Banks can be selected by using the CAB knob on the pedal.

You can use NUX’s Solid Studio Software to load any of your favorite IR files and save presets as your own files. When you choose a 3rd party IR file, Microphone and Microphone Positions will be disabled. 3rd party IR files usually include their own microphone model and position adjustment.

<table>
<thead>
<tr>
<th>Cabinet Model Names</th>
<th>Microphone Model Names</th>
</tr>
</thead>
<tbody>
<tr>
<td>J2120</td>
<td>DYN421</td>
</tr>
<tr>
<td>DRT12</td>
<td>Sennheiser MD421</td>
</tr>
<tr>
<td>BS410</td>
<td>SS7</td>
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<tr>
<td>AX512</td>
<td>Shure SM57</td>
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<td></td>
<td>B52</td>
</tr>
<tr>
<td></td>
<td>Shure Beta52</td>
</tr>
</tbody>
</table>

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

DI Out (On the left side)
Balanced signal output, please use a XLR cable and connect to mixer or audio interface.

CAB/MIC indicator LED
Cabinet and Microphone Switch
Activates the cabinet and microphone simulation.

Power Amp Tubes
Toggles between 3 different power amp tubes:
EL34: Heavier sound, crunchy.
6V6: A warm and natural tube sound.
EL84: Bright sound, tasty trebles.

Mic Positions
Toggles between 3 mic positions for fine-tuning.
Each microphone model can be adjusted with 3 positions.
CENT: The microphone is aimed directly at the CENTER of the speaker to emphasize the high frequency and get the strongest signal.
MID: The microphone is aimed at the point in-between the speaker center and the edge of speaker cone to mute some high frequency and emphasize bass frequency.
EDGE: The microphone is aimed at the edge of speaker cone to catch more bass frequencies.

CAB Knob
Changes the cabinet models. You can choose one of the 8 built-in cabinets. If you load a 3rd party IR file, you can switch presets by using the CAB knob.
Note: When you choose a preset with 3rd party IR file, microphones and Mic positions will be disabled.

Master Knob (Power Amp Simulation)
Adjusts the Output Level when the power-amp simulation is activated. Controls the balance between input and simulation dedicated output. Original input/output signal level balance on at 12 o’clock. Turning anti-clockwise will decrease the output level and clockwise will increase the level.
Control panel

MIC Knob
Changes the microphone models. You can choose one of the 8 microphones. Each microphone model has the unique sound of its own.

Drive Knob
Adjusts the amount of gain applied to Power Amp Simulation.

Presence Knob
Adjusts the treble frequencies. 12 o’clock is the flat position. Turning clockwise will increase the trebles.

Power AMP Indicator LED

Power Amp Switch
Activates the power amp simulation options.
- Power Amp Tubes
- Master
- Drive
- Presence

3.5mm Mono Input
6.35mm Mono jack input.

Control panel

Headroom Level
If your input signal is higher, you can increase the headroom to avoid the signal clipping.

+4dB: When NUX Solid Studio is connected to your amplifier or mixer’s SEND/RETURN inputs, please set the toggle switch to +4dB position. The maximum input level of NUX Solid Studio will be adjusted to 18 dB.

-10dB: When NUX Solid Studio is connected to your Guitar or other effect pedals, please set the toggle switch to -10dB position. The maximum input level of NUX Solid Studio will be adjusted to 18 dB.

Thru Output Line / Speaker Toggle Switch
LINE: When NUX Solid Studio is connected to external line level device, please set the toggle switch to LINE position. In this case, NUX Solid Studio will receive the signal directly from Input.

SPK: When NUX Solid Studio is connected to Power signal (i.e. Power Amplifier), please set the toggle switch to SPK position. In this case, the input signal will be decreased by 20 dB.

WARNING:
WHEN YOU ADD THE NUX SOLID STUDIO BETWEEN THE AMPLIFIER HEAD AND THE SPEAKER CABINET, YOU SHOULD MAKE SURE ALL THE CABLES MUST BE CONNECTED AND “SPEAKER” OUTPUT MODE MUST BE SELECTED TO AVOID THE POSSIBLE DAMAGE TO YOUR AMPLIFIER.
**Control panel**

Thru Output
(1/4-inch Mono jack) to send the dry signal to amplifier or cabinet. Un-processed signal out.

Output [TS]
(1/4-inch Mono jack) Cabinet and power amp simulation dedicated output. You can also connect headphones directly (TRS).

Micro USB Input
To connect to PC.

Power Input
9V

**Connection Methods**

To audio interface
This is the basic use of Solid Studio at home or a studio. Just add the Solid Studio to the end of your signal chain to get cabinet, microphone and power amp simulated sound. You can use the [TS] Output or XLR DI out optionally.
Connection Methods

**Amp Send/Return**
When you want to use your amp but the cabinet is too loud or not necessary, connect the Solid Studio via amplifier's Send/Return and choose one of the cabinets you would like to pair with your favorite amp. You can use the [TS] Output or XLR DI out optionally.

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**Dry Signal to Amp / Simulated Signal to Mixer**
This is the regular way to carry your signal from pedalboard to mixer or audio interface with cabinet and power amp simulation. You can use "Thru" output to connect your pedalboard to amplifier directly. You can use the [TS] Output or XLR DI out optionally.
Connection Methods

Sending the Amp Signal to the Mixer / Audio Interface
This connection way is for sending your amplifier signals to mixer / audio interface.
You can add Solid Studio in between the Power Amp and Cabinet.

**WARNING:**
The amplifier’s speaker output must be connected to the Solid Studio’s input by a SPEAKER CABLE. The Solid Studio’s TR/RE output must be connected to the speaker cabinet’s input by a SPEAKER CABLE. The Solid Studio’s output mode must be selected as SPK (SPEAKER).

Before you play,
Make sure that all the cables are connected and speaker mode is set, to avoid the possible damage to your amplifier.

Technical Specifications

- Sampling frequency: 88.2 kHz
- A/D Resolution: 32 Bit
- Resolution: 32 Bit
- Frequency Response Range: 20Hz – 20kHz ± 0.5dB
- Noise level: -100 dBu (A-Weighted)
- Dynamic Range: 100dB
- Current Draw: <1.5mA
- Power Supply: 5V DC, Negative Tip
- Maximum input level: +18dB
- Maximum output level: -20dB
- Latency: 0.7ms
- Dimensions: 105(L)mm x 115(W)mm x 58(H)mm
- Weight: 428g

Accessories: User manual
*Specifications and features are subject to change without notice.

CE mark for European Harmonized Standards

请注意！重要安全说明。
在连接使用前，请阅读以下说明。

警告：为避免火灾或触电的危险，请保证本设备置于离水和通风良好的地方。

警告：为避免火灾或触电的危险，请勿擅自拆卸本产品。维修本产品内部部件对于非专业人员来说较为困难，若有损坏请交给专业维修人员处理。

警告：本设备已经过测试，证明符合CISPR第15部分规定的《电磁干扰设备的发射规范》。操作应符合以下两个条件：（1）本设备不会产生有害干扰，且（2）本设备必须接受任何干扰，包括可能会导致非正常操作的干扰。

1. 请勿使用与出厂时相同规格的电源及电源线。如果您不确定可用的电源类型，请咨询当地的供电局或者电器公司。
2. 请勿将设备放在热源附近，如散热器、电磁炉或其它产生高热量的设备。
3. 请勿让液体、灰尘及其它物体进入本设备。
4. 开机前请确认线路正确，否则可能产生触电或其他危险。请勿将设备开箱后进行任何非专业操作，否则可能会造成设备损坏。
5. 请勿将设备放置在可能会让水或其它液体进入设备时，应确保使用前确保使用环境，避免水或其它液体进入设备。
6. 请勿长时间使用设备，应适当休息。
7. 请勿将设备置于高温或潮湿的环境中，避免更改电源线，以免发生火灾。
8. 请勿将设备置于低温和高压的环境中，以免发生爆炸。

遵守所有的指示和注意所有警告并保留这些说明！

隶属于NUX全新推出的“剑子手”系列，Solid Studio是一款囊括了各种经典箱体与后级模拟的效果器。使用Solid Studio您可以体验到不同话筒摆放位置以及不同电子管后级所带来的不同音色。Solid Studio是专门为追求卓越音质的乐手以及录音师而设计，它极其可靠、易用、多功能性，最重要的是它的音色真的很出色。

Solid Studio的问世将解决如下问题：有限的可用设备、苦于运输大头的箱体及后级。

相对于传统的使用箱体与后级麦克风拾音，Solid Studio提供了一种便捷的解决方案并且它具有完美的线性输出可以直接输入到调音台或直接录音。

此外，后级模拟还配备“Master”，“Drive”，“Presence”和“3个电子管”供您微调来获得更适合您的音色。

有若干种将Solid Studio加入信号链的方法。（ 详见“连接实例”部分）

Solid Studio内置8种箱体、8种麦克风以及5种后级电子管，这些均是被广大乐手使用的经典产品。使用Solid Studio的配套软件，您可以升级或者新增箱体。选择一种箱体、一种麦克风以及一个麦克风位置，虚拟麦克风拾音设置就完成了。
加载第三方箱体模拟 (IR) 文件

使用USB线将Solid Studio连接到电脑上，打开配套的编辑软件，当连接完成后您可以开始编辑所有参数并保存预设。预设可以通过“CAB”旋钮来切换。

使用Solid Studio加载第三方箱体模拟文件 (IR) 时，MIC旋钮以及麦克风位置切换拨档开关会暂时失效。因为第三方IR文件通常已经包含了特定的麦克风以及麦克风位置。

<table>
<thead>
<tr>
<th>箱体代码对应型号</th>
<th>麦克风代码对应型号</th>
</tr>
</thead>
<tbody>
<tr>
<td>J2120</td>
<td>Dynacord MD421</td>
</tr>
<tr>
<td>DRT12</td>
<td>Shure SM57</td>
</tr>
<tr>
<td>RS410</td>
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<td>AR128</td>
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<td>B122</td>
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<td>1980</td>
<td>B171</td>
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<tr>
<td>GB412</td>
<td>C414</td>
</tr>
<tr>
<td>VC412</td>
<td>C3000</td>
</tr>
<tr>
<td>B52</td>
<td>Shure Beta52</td>
</tr>
</tbody>
</table>

注意：
本说明书中所涉及厂商及产品名称为其各自公司所有，此处仅用于说明本产品的音色特点。
控制面板

输出接口（位于机器左侧）
平衡信号输出，请用XLR线与调音台或音箱接口连接。

箱体模拟及麦克风收音指示灯

箱体模拟及麦克风收音开关及钉

后级音量控制切挡切换开关
EL34：模拟EL34后级电子管，适合摇滚金属风格音乐。
6V6：模拟6V6后级电子管，适合蓝调曲风。
EL84：模拟EL84后级电子管，甜美清音。

麦克风位置拨挡切挡切换开关
选择后麦克风后，可以使用这个拨挡切换开关来选择麦克风位置。

MID：在喇叭中心与边缘之间，稍微削减高频，凸显低频。
EDGE：在喇叭边缘，进一步凸显低频。

Drive旋钮
调节后级模拟过载量。

CAB旋钮
选择箱体的类型，您可以在内建的8种箱体中选择任意一个。如果您载入了第三方R文件，您可以通过“CAB”旋钮来切换。

注意：加载第三方箱体模拟文件（IR）时，MIC旋钮以及麦克风位置切换拨挡开关会暂时失效。

Master旋钮（后级模拟）
当后级模拟激活时，调节输出信号强度。控制输入干信号与后级模拟混信号的平衡比例：原始信号平衡点在12点钟位置，逆时针方向旋转减弱输出信号，顺时针方向增强输出信号。
控制面板

MIC旋钮
选择一种麦克风来模拟录音。

Presence旋钮（后级模拟）
调节高频，12点钟是中心点，顺时针方向调整会增强高频。

后级模拟指示灯

后级模拟开关及钉
激活后级可以使用如下旋钮及开关：电子管切换开关、Master旋钮、Drive旋钮。

6.35mm输入接口（单声道）

+4dB/-10dB拨档切换开关
+4dB：当Solid Studio接入音箱或调音台SEND/RETURN输入时，请将此开关拨至+4dB位置，此时Solid Studio的最大输入信号将会变为16dB。
-10dB：Solid Studio接入吉他或其他效果器时，请将此开关拨至-10db位置，此时Solid Studio的最大输入信号将会变成8dB。

LINE/SPK拨档切换开关
LINE：当Solid Studio连接外部线路级设备时，请将此开关拨至Line档位。这样Solid Studio会直接接收输入。

SPK：连接至功率信号时（例如：前级），请拨至“SPK”档。此时，输入信号会被削减至20dB。

警告：
当您将Solid Studio置于音箱与箱体之间时，务必确认所有音频线已经连接并选用“SPK”档否则您的箱体或箱头会遭受损害。

THRU 6.35mm接口
用于INPUT模拟输入的后级输出时，利用THRU接到监听箱（负载）。

输出接口
使用单声道音频线时为Line OUT信号，使用立体声音频线时则为耳机输出信号。

Micro-USB接口
升级固件，加载第三方文件。

电源接口
内负外正，9V，500mA。
**连接实例**

**连接至音频接口**
这种连接方式多见于乐手在家或录音室使用。只需要将Solid Studio置于您整个信号链的最末端来获取经过精准模拟、麦克风传音模拟以及后级模拟处理过的音色。您既可以选用6.35mm音频线从OUTPUT接口，还可以选用卡侬接头通过DI OUT接口与音频接口相连。

**连接实例**

**箱头 Send/Return接法**
当您想使用箱头而又苦恼箱体声音过大时，请将Solid Studio按照如下图所示的方式连接。此时您还能照连接实例I的方法将信号输出至调音台。
连接实例

干音信号进箱头/湿音信号进音台
按下图所示方式连接您的效果器信号链，可以将湿音信号输入至音台或音响接口。同时使用“THRU”接口将干音信号输入箱头。

前级信号进音台/音响接口
按如下图所示方式连接能够让您将前级信号进音台/音响接口。此时Solid Studio至于前级与箱体之间。

重要: 当您将Solid Studio置于箱头与箱体之间时，务必选用“SPK”档位并通过“THRU”与箱体连接。我们还建议您选用+4dB档位增强动态空间（headroom）。

警告：当您将Solid Studio置于箱头与箱体之间时，请务必确认所有音频线已经连接并选用“SPK”档否则您的箱体或箱头会遭受损害。
技术规格
- 采样频率：88.2KHz
- AD转换精度：32位
- 信号处理精度：32位
- 频率响应范围：20Hz ~ 20KHz ±0.5dB
- 噪声水平：-100dB（A-加权）
- 动态范围：100dB
- 系统延迟：0.7ms
- 最大输入信号：+18dB
- 最大输出信号：-20dB
- 电源功耗：9V <240mA
- 电源规格：9V/直流，500mA，内含外正
- 体积：105(L)x115(W)x38(H)mm
- 重量：428g

有关产品中所含有害物质的说明

本资料根据产品中所含有的特定有害物质及其安全性予以说明。
本资料适用于2007年3月1日以后本公司所制造的产品。

环保使用期限

此产品适用于在中国境内销售的电子设备产品，表示环保使用期限的符号，表示环保使用期限届满前，产品中可能含有有害物质，不符合即期使用的相关法规，若是由产生具体的使用期限。届满后，请将该产品不含回收或处理。

产品中有毒有害物质或元素的名称及含量

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<th>有害有害物质或元素</th>
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<th>镉(Cd)</th>
<th>汞(Hg)</th>
<th>六价铬(VI)</th>
<th>多氯联苯(PCBs)</th>
<th>多溴联苯醚(PBDE)</th>
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<tbody>
<tr>
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<td>×</td>
<td>×</td>
<td>×</td>
<td>×</td>
</tr>
</tbody>
</table>

× 表示该有害有害物质在该物件中占有有害物质材料中的含量由GB/T 26572-2011标准规定的限量要求。

*技术规格如有变更，恕不另行通知。
质量承诺
亲爱的NUX用户，在您使用本产品时，请仔细阅读产品说明书，当您有疑问和困难时，请拨打客户服务热线：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
- 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，且产品外观及包箱保持完好的可向销售商的经销商换机。
2. 消费者在换机时应出示由销售商开出的购机发票及保修卡，否则销售商可以不予更换。
二、保修政策：
产品在购机之日起1年内，可免费享有维修服务；对于超过1年的或人为或不可抗力因素造成损坏的产品，授权经销商提供有偿维修服务。

售后服务地址
广东省珠海市高新区唐家湾科技园九路10号
联系电话：400-990-9866
制造商：珠海市科技开发有限公司
制造商地址：广东省珠海市高新区唐家湾科技园九路10号
制造商电子邮件：mail@cherubechnology.com

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