

**NUX**  
Verdugo Series

**Owner's Manual**  
使用手册

**Solid**  
**Studio**  
**I.R. & Power Amp**  
**Simulator**

箱体与后级模拟效果器

#### Copyright

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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!**

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 3<sup>rd</sup> 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.

### Cabinet Model Names:

JZ120	Roland Jazz Chorus 120
DR112	Fender Deluxe Reverb 112
BS410	Fender Bassman 410
A212	Vox AC30 212
TR212	Fender Twin Reverb 212
1960	Marshall 1960 412
GB412	Celestion Greenback 412
V412	Celestion Vintage 30 412

### Microphone Model Names:

DYN421	Sennheiser MD421
S57	Shure SM57
U87	Neumann U87
R122	Royer R122
R121	Royer R121
C414	AKG C414
C3000	AKG C3000
B52	Shure Beta52

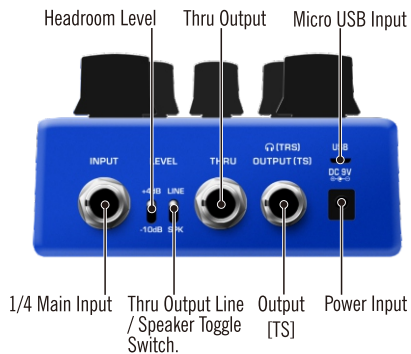
## Note:

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



## Control panel



### 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

### 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.

## Control panel

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### 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

### 6.35mm Mono Input

6.35mm Mono jack input.

## Control panel

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### 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 8 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

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### 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

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### To audio interface

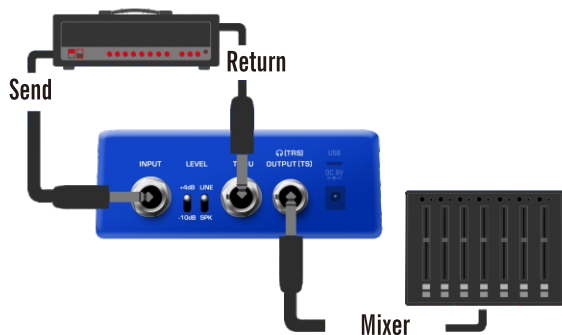
This is the basic use of Solid Studio at home or a studio. Just add the Solid Studio to the end of your signal chain to get cabinet, microphone and power amp simulated sound. You can use the [TS] Output or XLR DI out optionally.



## Connection Methods

### Amp Send/Return

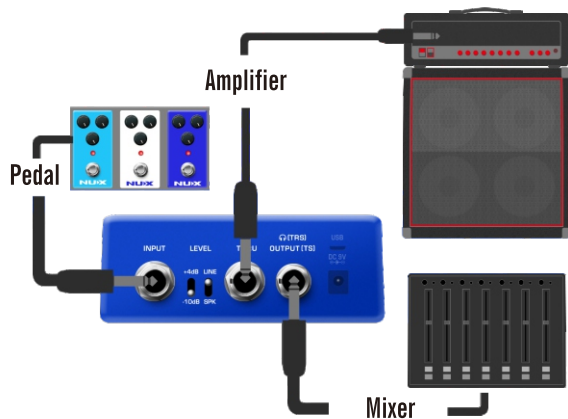
When you want to use your amp but the cabinet is too loud or not necessary, connect the Solid Studio via amplifiers Send/Return and choose one of the cabinets you would like to pair with your favorite amp. You can use the [TS] Output or XLR DI out optionally.



## Connection Methods

### Dry Signal to Amp / Simulated Signal to Mixer

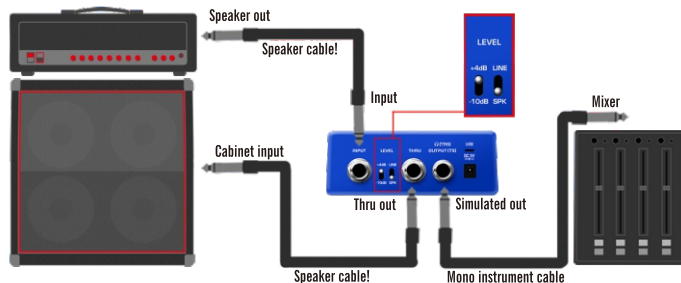
This is the regular way to carry your signal from pedalboard to mixer or audio interface with cabinet and power amp simulation. You can use "Thru" output to connect your pedalboard to amplifier directly. You can use the [TS] Output or XLR DI out optionally.



## 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 THRU 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  $\pm 0.5$ dB
- Noise level: -100 dBu (A-Weighted)
- Dynamic Range: 100dB
- Current Draw: <240mA
- Power Supply: 9V 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

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.



www.nuxefx.com

Made in China



**请注意！重要安全说明。**  
**在连接使用前，阅读以下说明。**

**警告:** 为减少火灾或触电的危险，请勿将本设备置于雨中或潮湿的地方。

**注意:** 为避免火灾或触电等危险，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。

**注意:** 本设备已经过测试，证明符合FCC规则第15部分的B级数字设备的限制规定。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. 仅能使用与出厂附带规格相同的电源及电源线。如果您不确定可用的电源类型，请咨询您的经销商或当地的电力公司。
2. 请勿放置在热源附近，如散热器、电热器，或其他产生高热量的设备。
3. 请勿让液体、灰尘及其他物体进入本设备。
4. 打开或取下后盖板可能会产生触电或其它危险，请勿尝试自行维修本产品。如需维修，请联系我司售后热线，或交给专业的维修人员。
5. 当设备遭遇电源线或插头损坏、不明物体进入、进水等情况时，请谨慎使用并主动联系售后维修。
6. 如果长时间不使用本设备，应拔掉电源线。
7. 避免踩踏电源线，避免过度绷紧电源线。
8. 人耳长时间接收高音音量声音可能会导致无法挽回的听力损害，请始终保持“安全聆听”。

**请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“刽子手”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您甚至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不同音色。Solid Studio是专门为追求卓越音色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、苦于运输大块头的箱体及后级。

相对于传统的使用箱体与后级麦克风拾音，Solid Studio提供了一种便携的解决方案并且它具有完美的线性输出可以直接输入至调音台或用作录音。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”区块）

Solid Studio内建8种箱体、8种麦克风以及3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来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。

箱体代码对应型号:

JZ120	Roland Jazz Chorus 120
DR112	Fender Deluxe Reverb 112
BS410	Fender Bassman 410
A212	Vox AC30 212
TR212	Fender Twin Reverb 212
1960	Marshall 1960 412
GB412	Celestion Greenback 412
V412	Celestion Vintage 30 412

麦克风代码对应型号:

DYN421	Sennheiser MD421
S57	Shure SM57
U87	Neumann U87
R122	Royer R122
R121	Royer R121
C414	AKG C414
C3000	AKG C3000
B52	Shure Beta52

### 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



## 控制面板



### CAB 旋钮

选择箱体的类型，您可以在内建的8种箱体里选择任意一个。如果您载入了第三方IR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档开关会暂时失效。

### Master 旋钮（后级模拟）

当后级模拟激活时，调节输出信号强弱。控制输入干信号与后级模拟湿信号的平衡比例。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

### DI输出接口（位于机器左侧）

平衡信号输出，请用XLR线与调音台或音频接口连接。

### 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踩钉

### 后级管模拟拨档切换开关（后级模拟）

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。

### 麦克风位置拨档切换开关

选择后麦克风后，可以使用这个拨档切换开关来选择麦克风位置。

CENT= 在喇叭中心，凸显高频拾取最强的信号。

MID=在喇叭中心与边缘之间，稍微削弱高频，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。

## 控制面板

### MIC 旋钮

选择一种麦克风来模拟收音。

### 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

### 后级模拟开关踩钉

激活后可以使用如下旋钮及开关：电子管切换开关、Master旋钮、Drive旋钮、PRES.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18dB。

**-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，请将此开关拨档至Line 档位。这样Solid Studio会直接接收输入。

## 控制面板

**SPK:** 连接至功放信号时（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。

### THRU 6.35mm接口

用于INPUT接音箱头的后级输出时，利用THRU接到喇叭箱（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IR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箱体模拟、麦克风试音模拟以及后期模拟处理过的音色。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。此时您还能按照连接实例1 的方法将信号输出至调音台。



## 连接实例

### 干音信号进箱头/ 湿音信号进调音台

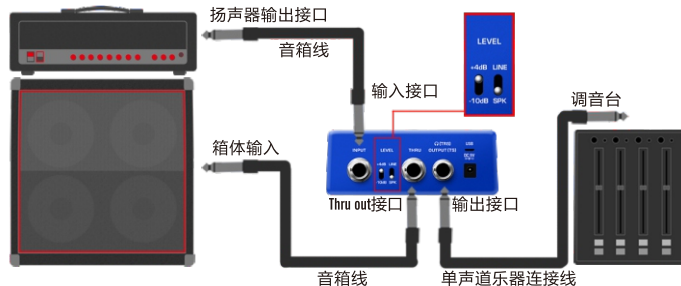
按下图所示方式组建您的效果器信号链，可以将湿音信号输入至调音台或音频接口。同时使用“THRU”接口将干音信号输入箱头。



## 连接实例

### 前级信号进调音台/音频接口

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



**重要:** 当您把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：** 当您把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。

- 采样频率：88.2KHz
- A/D转换精度：32位
- 信号处理精度：32位
- 频率响应范围：20Hz ~ 20KHz  $\pm 0.5\text{dB}$
- 噪声水平：-100dBu (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，内负外正
- 体积：105(L)x115(W)x58(H)mm
- 重量：428g

\*技术规格如有变更，恕不另行通知。

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，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。

产品中有毒有害物质或元素的名称及含量

部件名称	有害有毒物质或元素					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr(VI))	多溴联苯(PBB)	多溴二苯醚(PBDE)
外壳(壳体)	×	●	●	●	●	●
电子部件(印刷电路板等)	×	●	×			●
附件(电源线、交流适配器等)	×	●	●	●	●	●

●：表示该有害有毒物质在该部件所有均质材料中的含量均在SJ/T11363-2006 标准规范的限量要求以下。  
×：表示该有害有毒物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006 标准规定的限量要求。  
因根据现有的技术水平，还没有什么物质能够代替它。

## 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。

### 售后服务地址

广东省珠海市高新区唐家湾镇科技九路10号  
珠海市蔚科科技开发有限公司 售后服务部  
邮编：519085

### 制造商

珠海市蔚科科技开发有限公司

### 制造商地址

广东省珠海市高新区唐家湾镇科技九路10号

### 电话

0756-3689866

### 邮箱

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