

NUX

PMS-2

MINI SWITCHER USER'S MANUAL

Thank you for choosing the NUX MS-2 mini switcher. MIDI protocol is a common audio control protocol. A lot of modern devices support MIDI protocol. It brings much convenience for the control between these devices. But there are still a lot of traditional devices which do not support MIDI protocol. Use PMS-2 mini switcher can make the control of these devices become much easier and more efficient. PMS-2 is a MIDI switcher that is able to switch 6 devices with 128 presets. With an external foot switch, you can easily switch several amplifier channels and effects. It can be used together with the NUX PLS-4 for more connection possibilities. Control your stage rigs like a rock star!

Please take the time to read this manual carefully to get the most out of the unit. We recommend that you keep the manual at hand for future reference.

FEATURES

- Full metal housing, substantial and compact design, very portable and easy to use.
- 128 Presets.
- External footswitch pedal for remote function.
- Switch 6 devices via a MIDI pedal (optional).
- Latched mode and unlatched mode.

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.

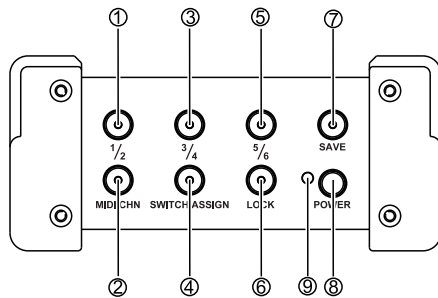
The lightning symbol within a triangle means "electrical caution!" It indicates the presence of information about operating voltage and potential risks of electrical shock.

The exclamation point within a triangle means "caution!" Please read the information next to all caution signs.

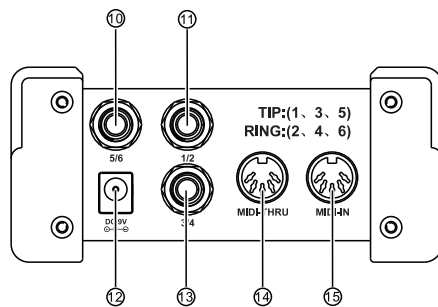
1. Use only the supplied power supply or power cord. If you are not sure of the type of power available, consult your dealer or local power company.
2. Do not place near heat sources, such as radiators, heat registers, or appliances which produce heat.
3. Guard against objects or liquids entering the 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!

PRODUCT INTERFACE

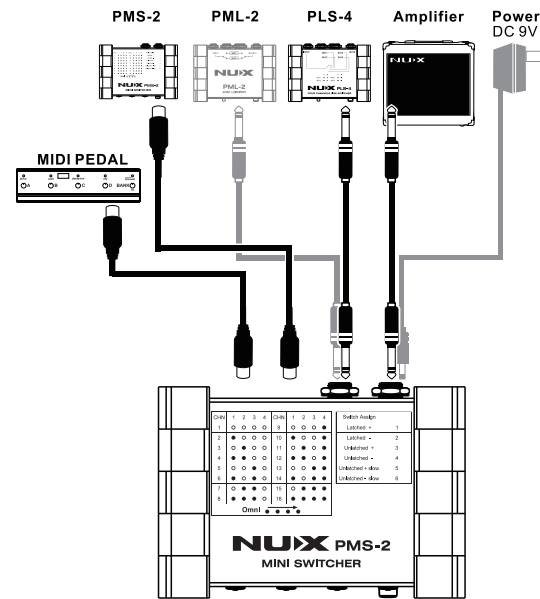


1. Button 1 sets the state of switcher 1.
2. Button 2 sets the state of switcher 2.
3. Button 3 sets the state of switcher 3.
4. Button 4 sets the state of switcher 4.
5. Button 5 sets the state of switcher 5.
6. Button 6 sets the state of switcher 6.
7. Save button saves the current settings.
8. Power button turns on/off this device.
9. Status LED



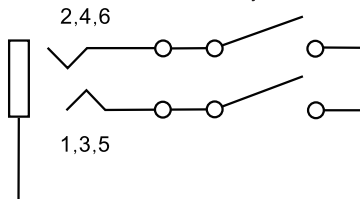
10. Jack 5/6 output the state of switcher 5/6. The top point of the jack output the state of switcher 5, the ring part of the jack output the state of Switcher 6.
11. Jack 1/2 output the state of switcher 1/2. The top point of the Jack output the state of switcher 1, the ring part of the jack output the state of switcher 2.
12. Power jack accept the center negative 9V DC.
13. Jack 3/4 output the state of switcher 3/4. The top point of the jack output the state of switcher 3, the ring part of the jack output the state of switcher 4.
14. MIDI IN receives the MIDI order sent from the external device.
15. MIDI THRU directly outputs the MIDI order sent from the external device.

CONNECTIONS



- Connect negative 9V DC to power jack.
- Connect MIDI cable to MIDI IN jack, and connect the other side to the MIDI OUT jack of external device.
- If you want to put several devices together in series, connect MIDI cable to MIDI THRU jack, and connect the other side to the MIDI IN jack of the other device.
- Plug the 6.35mm TRS stereo cable into three jacks, plug the other side into the external device that you want to control. PMS-2 can support mono cable. In this situation, only jack 1, 3, 5 can be used.

PMS-2 has three 6.35mm stereo jack to be the outputs of 6 switchers. The connections of each jack are as follows:



The MIDI order sent by MIDI controller or other device input through MIDI IN jack. MIDI THRU jack can directly pass the MIDI order to other device. The six switchers are controlled connection and disconnection by the six buttons on the front panel.

OPERATION

1. Settings of MIDI reception channel
One MIDI device sends data, the other MIDI device receives data. In order to let these devices understand each other, we need to set all the devices to the same MIDI channel:

- 1) Press CHN button and turn on the device, enter the MIDI channel setting mode.
- 2) Press 1, 3, and 5 and SAVE button to set 1-16 and omni channel. The 4 LED light on these buttons will show the channel number.
- 3) Turn off the device. When turn it on again, the PMS-2 will receive data according to the new channel number.

CHN	1	2	3	4	CHN	1	2	3	4	Switch asslgn	
1	○	○	○	○	9	○	○	○	●	Latched +	1
2	●	○	○	○	10	●	○	○	○	Latched -	2
3	○	●	○	○	11	○	●	○	○	Unlatched +	3
4	●	○	○	○	12	●	○	○	○	Unlatched -	4
5	○	○	○	○	13	○	○	○	○	Unlatched + slow	5
6	●	○	○	○	14	○	○	○	○	Unlatched - slow	6
7	○	●	○	○	15	○	○	○	○		
8	●	○	○	○	16	○	○	○	○		
Omni ●●●●											

2. Settings of switcher operation

The switcher has two modes: latched and unlatched. There are two states of latched mode: open-circuit and close-circuit, every action can switch to one state. It is fit for the function switch of traditional devices. The unlatched mode can create a short touch for every press, it is fit for the control of digital devices. The six switchers of PMS-2 can simulate the operations of two modes.

The LED lights will be lighted under close-circuit both for the latched mode and unlatched mode. However, sometimes we need the LED light to be lighted under open-circuit, this can be done by setting the display of LED open-circuit.

Some devices may need long time pressing to do the action. In this situation, we can set the pressing time to the long position.

The steps of switcher setting are as follows:

- 1) Press ASSIGN and turn on the device, enter the switcher setting mode.
- 2) Press button 1-6 to set the states of switcher 1-6. Every button can set 6 states of each switcher.

Function	Press Times	LED Indicator
Latched (LED turns on under close- circuit)	N/A	On
Latched (LED turns on under open-circuit)	1	Off
Unlatched (Short-delay close circuit)	2	Flashing quickly (Short on & Long off)
Unlatched (Short-delay open circuit)	3	Flashing quickly (Short off & Long on)
Unlatched (Long-delay close circuit)	4	Flashing slowly (Short on & Long off)
Unlatched (Long-delay open circuit)	5	Flashing slowly (Short off & Long on)

Lock/Unlock panel buttons

To avoid error operation and lose data, you can lock all the buttons: Press LOCK and turn on the device, press LOCK to switch lock/unlock state. The LED light on the LOCK button will show the state. If it is lighting, it is under lock state, conversely it is under unlock state.

3. Coding operation

The coding operation is very convenient:

- 1) The external device such like pedal controller send a MIDI application switch order, PMS-2 will remember this order.
- 2) Press button 1-6 and set them to be under the state that you want.
- 3) Press SAVE button. Once the storage is completed, when the PMS-2 receive the same MIDI order, it can switch all the switchers to the saving states.

SPECIFICATIONS

- Power supply: DC 9V
- Power consumption: 50mA
- Dimensions: 121(L)x84(W)x55(H)mm
- Weight: 350g

PRECAUTIONS

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

ACCESSORIES

- 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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www.nuxefx.com



Made in China

NUX

PMS-2 迷你控制器 使用说明书

感谢您选择NUX PMS-2 迷你控制器。MIDI协议是通用的音频控制协议，大量的现代设备支持MIDI协议，这给各设备之间的控制带来了极大的方便。但是仍然有大量的传统设备不支持MIDI协议。使用PMS-2 MIDI控制开关将使这些设备的控制变的简单高效。用户可以用它控制6个设备的开关或状态切换，并且可以保存至128个预设。通过一个外接踏板还可以方便的实现远程控制数个音箱和效果器组的开关。如果结合我们的PLS-4，将产生更多的连接可能性。

请花时间仔细阅读这份说明书，并建议您保留它以备今后的需求。

产品特点

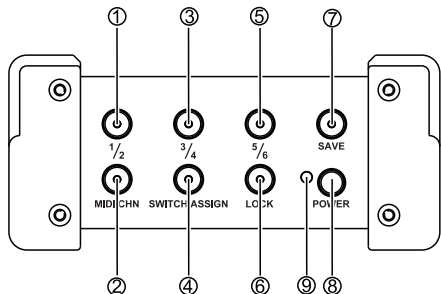
- 全金属外壳，外观小巧坚固，设计简洁，方便携带。
- 128个用户预设。
- 外接踏板进行远程切换。
- 通过MIDI踏板可以切换6种设备。
- 可切换闭锁和点触模式。

警告!-重要安全说明

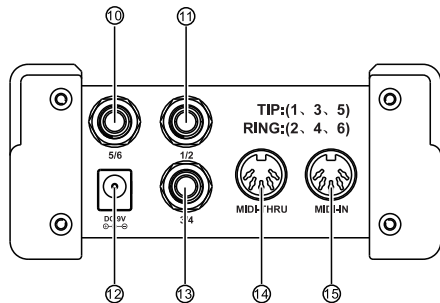
警告: 为了减少火灾或触电的危险，请勿将本设备淋雨或受潮。

注意: 为了减少火灾或触电的危险，请不要私自拆卸机器。用户不可自行维修部件，如需维修请联系合格的服务人员。

产品界面

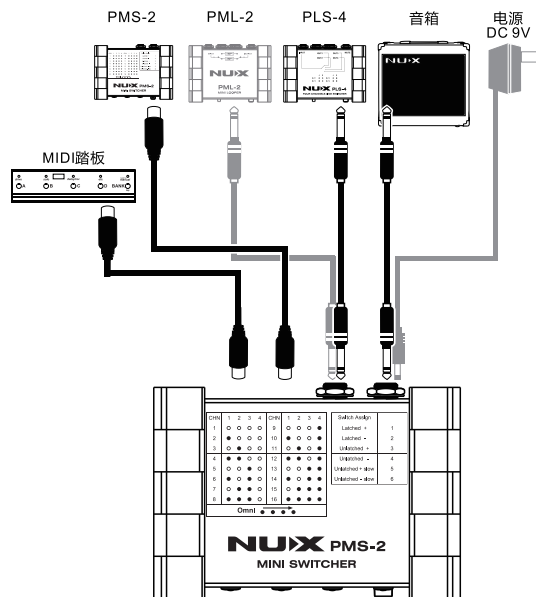


1. 按键1 设置开关1的状态。
2. 按键2 设置开关2的状态。
3. 按键3 设置开关3的状态。
4. 按键4 设置开关4的状态。
5. 按键5 设置开关5的状态。
6. 按键6 设置开关6的状态。
7. SAVE 按键 存储当前设置。
8. POWER按键开关本设备。
9. 状态指示灯。



10. 插座5/6，输出开关5/6的状态。插头的尖端输出开关5的状态，插头的环端输出开关6的状态。
11. 插座1/2，输出开关1/2的状态。插头的尖端输出开关1的状态，插头的环端输出开关2的状态。
12. 电源插座，接受外正内负的9V直流电源。
13. 插座3/4，输出开关3/4的状态。插头的尖端输出开关3的状态，插头的环端输出开关4的状态。
14. MIDI THRU插座，直通外部设备的MIDI命令。
15. MIDI IN 插座，接受外部设备的MIDI命令。

连接方式



- 连接9V直流电源（外正内负）到电源接口。
- 连接MIDI线到MIDI IN接口，另一端连接到外设备的MIDI OUT接口。
- 如果想多个设备串接起来，连接MIDI线到MIDI THRU接口，另一端连接到其它设备的MIDI IN 接口。
- 插入标准 6.35mm大三芯立体声电缆到三个插座上，另外一端插入到想要控制的外部设备上。PMS-2也支持单声道电缆，这种情况下，只有开关1,3,5可以应用。

PMS-2有三个6.35mm的立体声插座可以作为6个开关的输出，每个插座的连接方式如下图：



由MIDI控制器或其它设备发出的MIDI命令通过MIDI IN接口输入。MIDI THRU接口用于直通MIDI命令到其它设备。六个开关分别由前面板的6个按键控制接通与断开。

快速使用指南

一、MIDI 接收通道设定操作

一个MIDI设备发送数据，其它的MIDI设备接收数据。为了让设备之间能够相互理解数据的内容，我们需要把所有的设备设定到相同的MIDI通道：

1. 按CHN按键后打开电源开关，进入到MIDI通道设置模式。
2. 按1,3,5和SAVE按键去设定1-16以及omni通道。按键上的4个指示灯显示所设定的通道值。
3. 关闭电源，重新开机后PMS-2将根据新的通道值接收数据。

CHN	1	2	3	4	CHN	1	2	3	4
1	○	○	○	○	9	○	○	○	●
2	●	○	○	○	10	●	○	○	●
3	○	○	○	○	11	○	○	○	○
4	○	●	○	○	12	●	○	○	○
5	○	○	●	○	13	○	○	○	●
6	●	○	○	○	14	●	○	○	○
7	○	○	○	○	15	○	○	○	○
8	●	●	○	○	16	●	●	○	○
Omni					● ● ● ● ● ●				

Switch Assign	
Latched +	1
Latched -	2
Unlatched +	3
Unlatched -	4
Unlatched + slow	5
Unlatched - slow	6

二、设置开关操作的方式

开关有两种类型：闭锁型和点触型。闭锁型有两个状态：开路和闭路，每次动作切换一种状态，适合传统设备的功能切换。点触型开关是每次按下产生一个短暂的接触，适合各类数字设备的控制。PMS-2的六个开关可模拟这两种操作模式。

不论闭锁型还是点触型开关，接通状态时按键上的LED就会点亮，但有的时候我们希望断开的时候LED点亮，这可以通过设置LED开路显示实现。

作为点触型开关，有些设备可能需要开关有较长的接触时间才能动作，这种情况下我们可以将接触时间设置到长的位置。

配置开关的步骤是：

1. 按ASSIGN按键后打开电源开关，进入到开关设定状态。
2. 按1-6按键去设定1-6开关的状态。每个按键可以设定开关的6种状态。

开关功能	按键次数	LED指示
闭锁型（闭合时LED指示点亮）	缺省	点亮
闭锁型（开路时LED指示点亮）	1次	熄灭
点触型（短延时闭合型）	2次	快闪（短亮长灭）
点触型（短延时开路型）	3次	快闪（短灭长亮）
点触型（长延时闭合型）	4次	慢闪（短亮长灭）
点触型（长延时开路型）	4次	慢闪（短灭长亮）

锁死 / 解锁面板按键

为了防止误操作丢失数据，PMS-2可以锁定所有按键的动作：

- 按LOCK按键后打开电源开关，按LOCK键切换锁定 / 解锁状态。LOCK键的LED灯指示状态，LED点亮为锁定状态，LED熄灭为解锁状态。

三、编程操作

使用PMS-2是十分简单的：

1. 从外部MIDI设备如踏板控制器发送一个MIDI程序切换命令，PMS-2将记住这个命令。
2. 按1-6按键使所有开关处于希望的状态。
3. 按SAVE按键存储。一旦存储动作完成后，当下次PMS-2接收到相同的MIDI程序切换命令时将切换所有开关到存储的状态。

技术规格

- 电源：DC 9V
- 功耗：50mA
- 尺寸：121(L)x84(W)x55(H)mm
- 重量：350克

使用环境

- 使用环境：
 1. 避免在高温、潮湿、零下等恶劣的环境中使用。
 2. 避免在强光下使用。
- 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

- 使用说明书

质量承诺

亲爱的 **NUX** 用户：
在您使用 **NUX** 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
- 一月内出现质量问题可调换
- 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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