

PXL-PRO

User Manual

INTRODUCTION

Thank you very much for purchasing PXL-PRO Professional Pedal Controller! Please be sure to read this user manual and learn how to operate properly before using PXL-PRO.

Precautions

1. To avoid breakage, do not apply excessive force to the switches or controls.
2. If the exterior becomes dirty, wipe it with a clean, dry cloth. Do not use liquid cleaners such as benzene or thinner, or cleaning compounds or flammable polishes.
3. Do not place this product in humid surroundings, in case of damages to internal circuits.
4. Do not exceed the voltage limit at DC 9V; otherwise it will cause damage to this product.
5. Please purchase power adapter separately.
6. Please use power adapter of 500mA or higher OUTPUT, to ensure normal function of PXL-PRO.
7. Please wire all effect pedals and plug in before open amplifier, to avoid current surge caused to your amplifier.
8. Please make sure the polarity of your power adapter is the same as this product casing printed, any error on power polarity would cause damage to this product.
9. Do not dispose of this product along with your household trash. By disposing of this product correctly, you can avoid environmental harm or health risk. The correct method of disposal will depend on your locality, so please contact the appropriate local authorities for details.

WARNING: Use of this product in any country other than that for which it is intended could be dangerous and could invalidate the manufacturer's or distributor's warranty. Please also retain your receipt as proof of purchase otherwise your product may be disqualified from the manufacturer's or distributor's warranty.

Brief Introduction of PXL-PRO

PXL-PRO is a new programmable and storable looper specially designed for more advanced users based on the previous generation PXL4/8. Maintaining the effects grouping function as that of PXL4/8, PXL-PRO offers maximum storage of 32 effects sets that can be switched quickly and easily. PXL-PRO is upgraded to a dual four-channel design so that effects can be separately connected in preamp LOOP and poweramp LOOP. Moreover, it is equipped with four built-in programmable triggers, which allows you to combine Amps, Effects and the instrument into a small performance system, and you can easily control the external Amps.

Dual 4-Channel Design

PXL-PRO can be set as one single 8-Channel LOOP or dual 4-Channel LOOPS. Under dual 4-Channel LOOP setting, you can connect effects like wah-wah, overdrive, boost, and then connect LOOP1 to amplifier (amplifiers with build-in effects, such as Marshall DSL50) input jack. LOOP2 can be connected with effects like reverb, delay, and then be output to LOOP jack of your amplifier.

Four Programmable Triggers

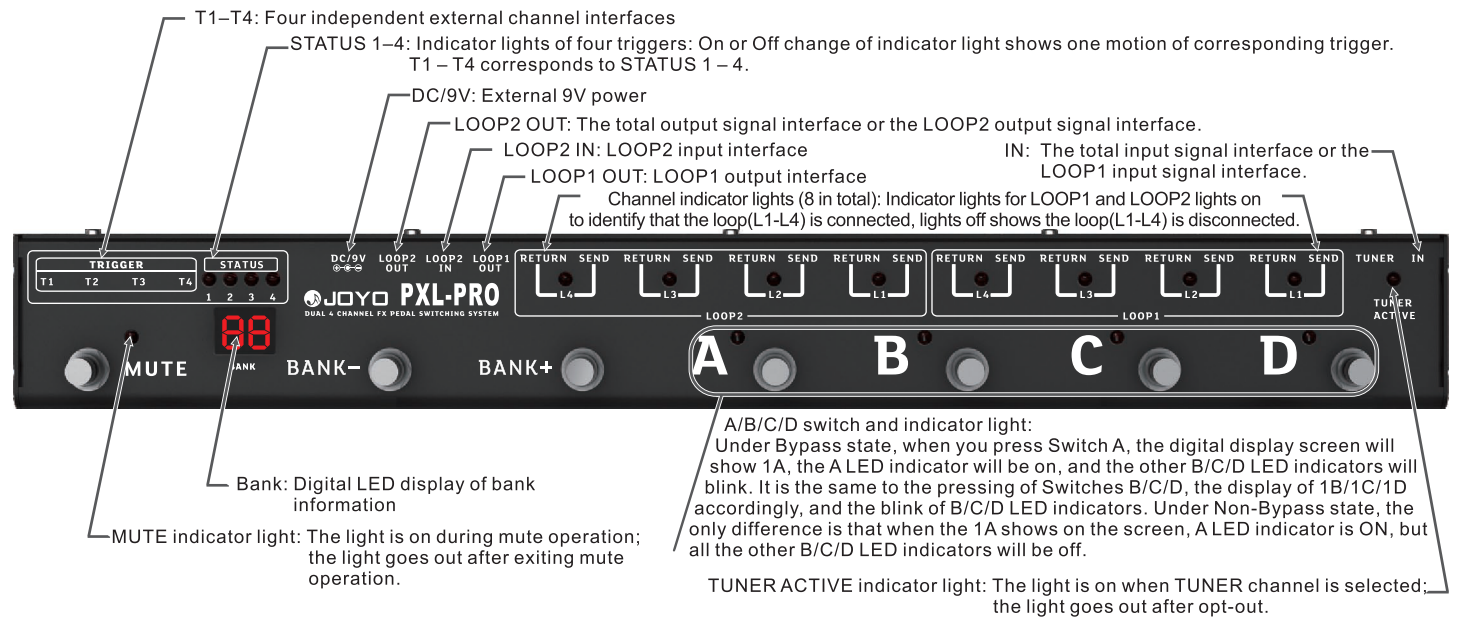
Trigger, equivalent to a switch for external devices, is used to trigger external devices and achieve certain functions. Trigger functions can be realized in two modes: the MOM mode and the LATCH mode. Under the MOM mode, the relay instantly makes the pull and release action; and under the LATCH mode, the relay will be in a transition state and remain unchanged until the arrival of the next command. Triggers can be set in polarity: Normally Open or Normally Closed. For specific mode you need, please refer to your device's manual.

- *Polarity
- *Motion Pattern
- *Motion of T1-T4 – sending preset signal or not sending signal from Bypass to Non-bypass.
- *Motion of T1-T4 – sending preset signal or not sending signal from Non-bypass to Bypass.

With the above features, assisted by LOOP1 and LOOP2, your amplifier and effects can be used as a small performance system. All channels and effects switches can be simply operated by PXL-PRO.

The following text will focus on the operation instructions of PXL-PRO.

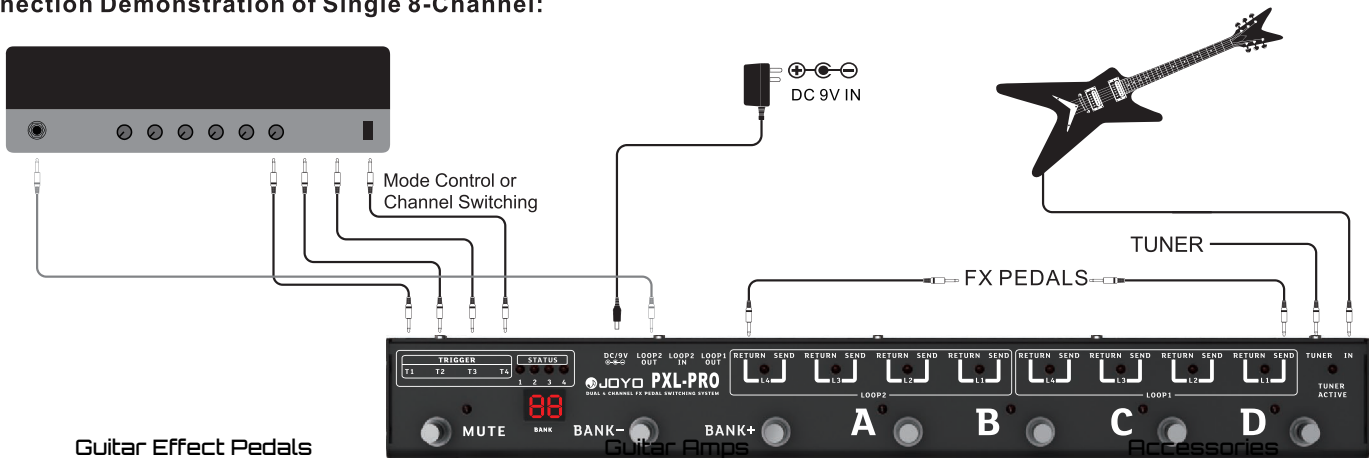
Control Panel:

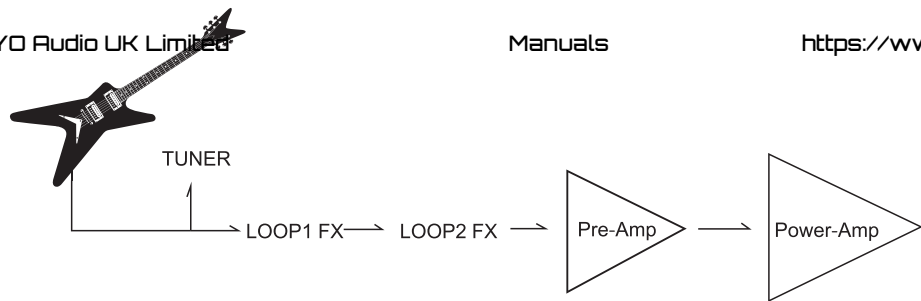


Instructions:

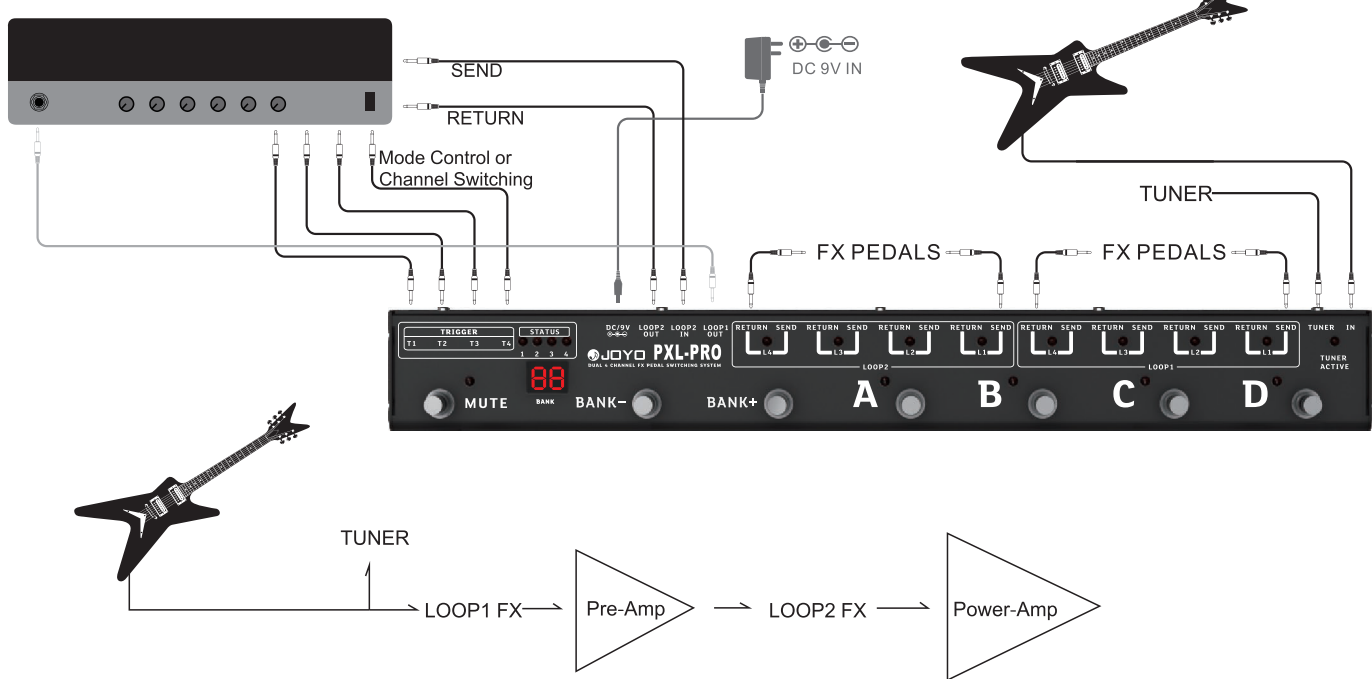
1. When using signal input from the IN and output from LOOP2 OUT, all 8 channels start function, and then PXL-PRO works in a single 8-Channel mode. When using the signal input from the IN and LOOP2 IN, output from LOOP1 OUT and LOOP2 OUT, PXL-PRO works in a dual 4-Channel LOOP mode, and these two LOOPS are completely independent from each other.

Connection Demonstration of Single 8-Channel:





Connection Demonstration of Dual 4-Channel:



2, Under Bypass state, all channels of LOOP1/2 are directly connected without signals passing through effect pedals. While under Non-Bypass state, the signals flow through chosen channels of LOOP1/2.

Operation Instructions:

A: Tuning and Mute operation

Under Non-Edit mode, step MUTE switch to open the TUNER port and start tunings with TUNERACTIVE indicator lights on. Step MUTE for the second time to shut down LOOP1 OUT and LOOP2 OUT, and achieve mute tuning with TUNER port working and MUTE indicator lights on. Step MUTE switch for the third time to exit tuning mode and re-open LOOP1 OUT and LOOP2 OUT, with both MUTE and TUNERACTIVE indicator lights go out.

B: BANK Switches

Under Non-Edit mode, step BANK+/- to switch between Banks (1-8). The bank settings will not be updated until your press of A/B/C or D switch. During banks 1-8 switching, the digital display LED will show NO. 1-8 and present group NO. (A/B/C or D), like 1A, 3C, etc.

C: Edit Operation

1) Edit Modes and Edit Options

Under Non-Edit mode or Non-Bypass state, press MUTE and hold more than one second to enter Edit Mode, with digital LED displays "EH". Then edit BANK+/- to operate the following items:

EH: Edit 4 channels of LOOP2

EL: Edit 4 channels of LOOP1

Et: Edit 4 triggers T1-T4 under Non-Bypass

Eb: Edit 4 triggers T1-T4 under Bypass

En: Edit working modes of 4 triggers T1-T4: M mode (MOM) and L mode (LATCH). Please refer to the manual of your devices when choosing working mode.

EP: Edit polarity of 4 triggers T1-T4: Normally Closed or Normally Open. Please refer to the manual of your devices when choosing polarity.

In the following texts, we further elaborate upon the editing of the above mentioned items.

2) Edit LOOP Combination

Under Edit mode, press BANK+/- to enter EH or EL (refer to chapter A) status. Here we will illustrate EL only as the operations of these two LOOPS are the same. When the screen shows EL, please open or close one channel by operating A/B/C/D:

A: L4 B: L3 C: L2 D: L1

Each press of A/B/C/D switch would either open or close the corresponding channel L4/L3/L2/L1, with indicator light on or off accordingly. You can get your preferred effects combinations by switches operations.

Note: This operation guide is also suitable for LOOP2. If you want to save the changes or exit without saving, please refer to chapter D.

3) Edit Trigger

The editing of triggers should be proceeded under the following order (If you are quite familiar with the whole operation, you can skip to your specific editing part).

EP>En> Et>Eb

Note: The EP, En, Et, Eb is referenced detailedly in Part Three.

a).EP: Press BANK+/- till digital LED displays EP, and then adjust the polarity of T1-T4. Please check four indicator lights of T1-T4 accordingly, with light on and off correspondingly showing two polarities: Normally Closed and Normally Open. Please operate A/B/C/D to adjust corresponding trigger's polarity:

A: T1 B: T2 C: T3 D: T4

For instance, to operate the polarity of T1, please press switch A, and adjust according to indicator light of T1, i.e. light on shows Normally Closed polarity and light off shows Normally Open polarity.

After the edit, you can operate the BANK + / - to adjust next item or exit (long press MUTE to save settings, or light press MUTE to exit without saving).

b). En: Press BANK+/- till the digital LED displays En, and then adjust the operating modes of T1-T4. Please check four indicator lights of T1-T4 accordingly, with light on and off correspondingly showing MOM mode and LATCH mode. Please operate A/B/C/D to adjust corresponding trigger's modes:

A: T1 B: T2 C: T3 D: T4

For instance, to set the mode of T1, please press switch A, and adjust according to indicator light of T1, i.e. light on shows MOM mode and light off shows LATCH mode.

After the edit, you can operate the BANK + / - to adjust next item or exit (long press MUTE to save settings, or light press MUTE to exit without saving).

c). Et: Press BANK+/- till the digital LED displays Et, then adjust the operation of T1-T4 under Non-Bypass state. Please check four indicator lights of T1-T4 accordingly, with light on and off correspondingly showing connect or disconnect external devices. Please operate A/B/C/D to adjust corresponding triggers:

A: T1 B: T2 C: T3 D: T4

For instance, to set T1, please press switch A, and adjust according to indicator light of T1, i.e. light on shows turn on external equipment and light off shows turn off external devices.

After the edit, you can operate the BANK + / - to adjust next item or exit (long press MUTE to save settings, or light press MUTE to exit without saving).

Note: The above mentioned turn on and turn off is a relative definition. For example, you can use light ON to show Amp overdrive tone; OFF shows Amp original sound. Under this circumstance, ON and OFF simply shows a state.

d). Eb: In a performance system with speaker and effects, the PXL-PRO triggers will facilitate your operation of Non-Bypass to Bypass transfer, and you can control the amplifier under Bypass state. Press BANK+/- till the screen shows Eb, to control the operation of T1-T4 LOOP under BYPASS. Please check four indicator lights of T1-T4 accordingly, with light on and off correspondingly showing turn on or turn off of the amplifier. Please operate A/B/C/D to adjust corresponding triggers:

A: T1 B: T2 C: T3 D: T4

For instance, to set T1, please press switch A, and adjust according to indicator light of T1, i.e. light on shows turn on external equipment and light off shows turn off external equipment.

After the edit, you can operate the BANK + / - to adjust next item or exit (long press MUTE to save settings, or light press MUTE to exit without saving).

4) Exit Edit Mode

MUTE switch is used to exit Edit mode with or without saving.

1.Exit Edit mode after saving :

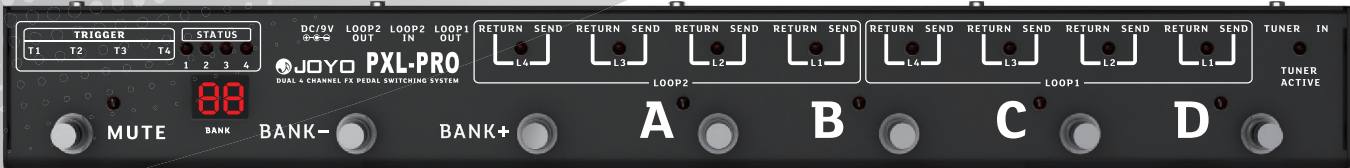
Under Edit mode, press MUTE switch and hold for more than 1 second to save current settings. After this, PXL-PRO would automatically return to normal operating mode, and the digital LED displays current BANK information.

2.Cancel current settings and exit Edit mode without saving:

Under Edit mode, press MUTE switch to restore all parameters before editing, and current settings will not be saved in internal memory. After this, PXL-PRO would automatically return to normal operating mode, and the digital LED displays current BANK information.

Technical Parameters:

BYPASS Type	: BUFFERED BYPASS
Power Consumption	: 240mA @ DC 9V
Channels	: 4LOOPSx2
Other Controls	: Trigger x 4
Weight	: 1.68kg
Dimension	: 54.1X6.7X5.3cm



PXL-PRO 可编程效果器编组盒

用户使用说明

感谢购买我们的产品!

非常感谢您选择PXL-PRO效果器控制踏板。在开始使用前，请务必首先阅读本说明书，以便快速学会如何操作PXL-PRO,以及如何避免损坏PXL-PRO。

注意事项 ▲

1. 操作开关和按键时请不要用力过当，以免损坏本机。
 2. 如果表面脏了，用干净、干燥的布擦拭。不要用苯、天拿水、洗涤剂、可燃性抛光剂等液体清洁剂。
 3. 请不要将本产品放在潮湿的地方，以免损坏内部电路。
 4. 本产品的工作电压为DC9V, 请勿超过此电压限制，否则将导致本产品损坏。
 5. 本产品出厂时不附带电源适配器，您需要另行购买。
 6. 为了保证PXL-RPO正常工作，您需要选择输出电流大于或等于500mA的电源适配器。
 7. 请在PXL-PRO以及所有接入效果器连接完毕并接通电源后再打开您的放大器，以免对您的放大器造成冲击。
 8. 请留意您的电源适配器是否与本产品外壳上所标识的电源极性一致，电源极性错误可能导致本产品损坏。
 9. 不要把本机和生活垃圾一同丢弃。正确的处理可以减少环境污染和健康危害。具体的处理方法各地不同，所以详情请联系当地官方机构。
- 警告：在任何未被验证的区域使用本产品都是危险的，并且不再享受厂家或经销商的保修权利,同时也请保留好发票作为购买证据，否则不享受厂家或经销商的保修权利。

PXL-RPO简介

不知道您有没有用过PXL-PRO的上一版本, PXL4或PXL8。与上代产品相同的是，PXL-PRO可以对您的效果器踏板进行编组，这样，当有多个单块效果器，需要频繁地切换或一次改变多个效果时，PXL-PRO可提前把效果组合设置好，使用时非常方便地通过一键快速地进行切换。不同之处在于，PXL-PRO采用双四通道LOOP设置，并增加了4个完全可编程的触发器，用于对外部设备进行控制。

双四通道设计

您可以选择PXL-PRO的两个LOOP做串联设置，这时LOOP1和LOOP2合并为一个单8通道LOOP。另一种方式，是将LOOP1和LOOP2分开使用，这样，LOOP1可以用于接入一些前置效果（比如哇音，压缩，过载，激励器），然后接入放大器的前置输入端，另外一组LOOP2则接入一些周边效果（如调制类效果，混响，延时等），然后接入放大器的内置LOOP中。

4个可编程触发器

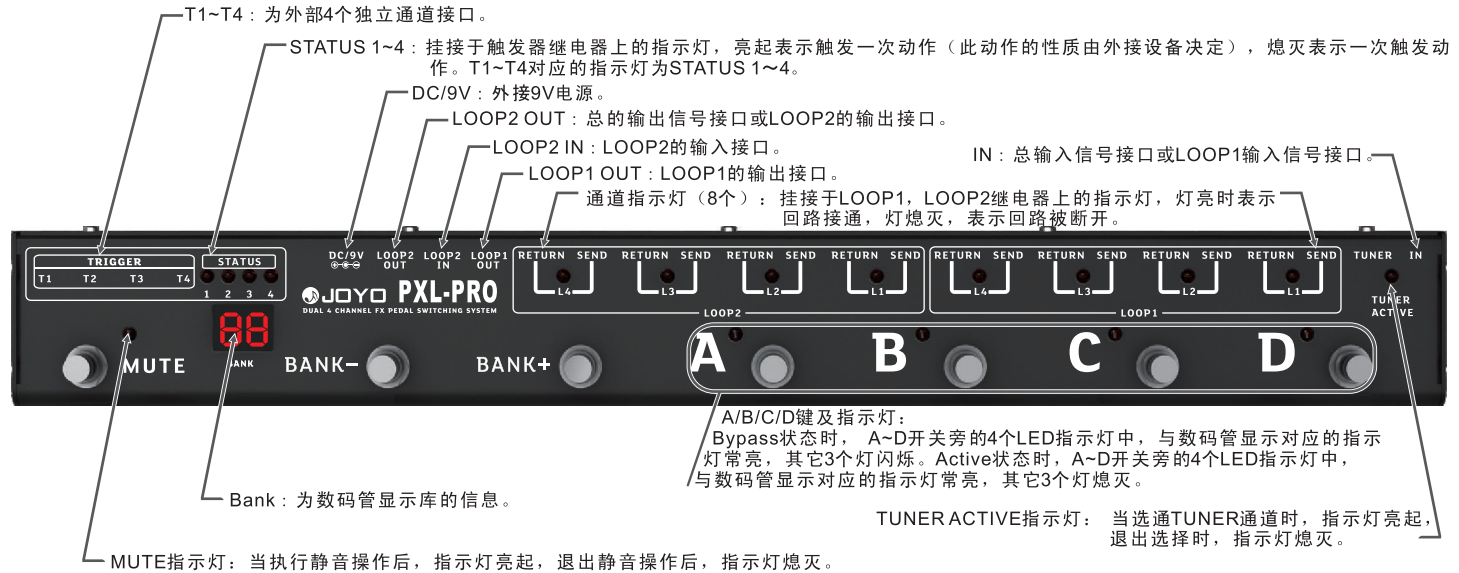
触发器是用于触发外部设备实现某一功能的开关（相当于外部设备的外接开关）。触发器分两种模式，一种是MOM模式，继电器瞬间做出吸合及释放动作；另一种是LATCH模式，继电器将由一个状态转变为另一个状态，并保持不变，直到下一次动作命令到来时才会发生变化。另外触发器还有两种极性可以设置，一种是在空闲时保持常闭状态，另一种保持常开。具体您的设备需要使用哪种模式，请参考您设备的用户手册。

- *极性
- *动作方式
- *效果LOOP启用时触发器的动作
- *效果LOOP被BYPASS后触发器的动作

有了这些特性，辅助以PXL-PRO的两组效果LOOP，您现在就可以把您的放大器与效果器组成一个小的演奏系统，并且所有音色切换和通道切换的动作，将可以在PXL-PRO控制的下一键瞬间完成。

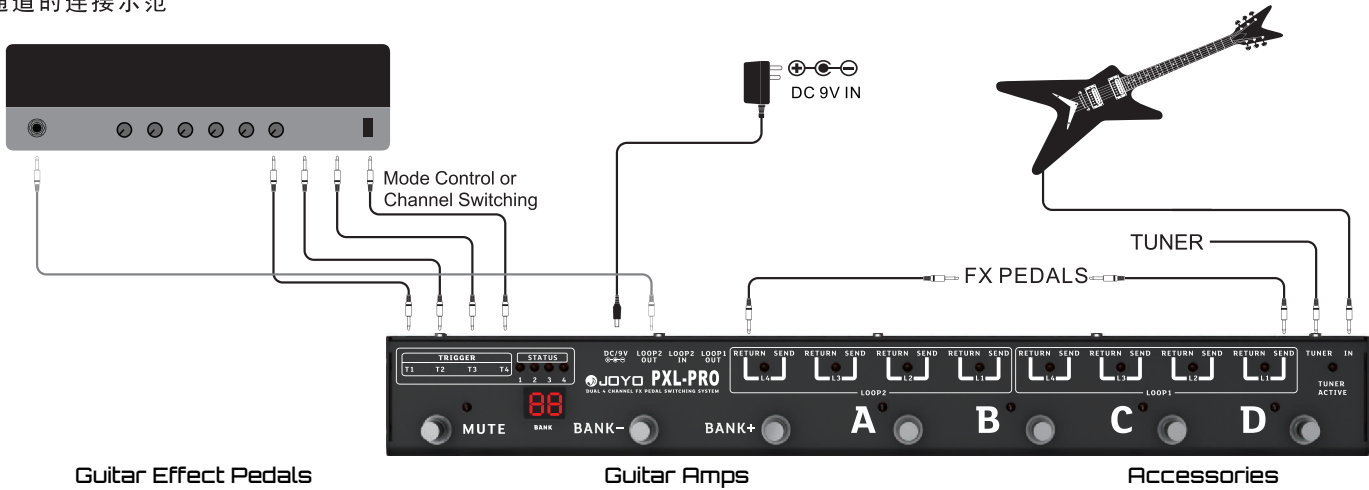
接下来的章节，我们开始讨论如何使用PXL-PRO。

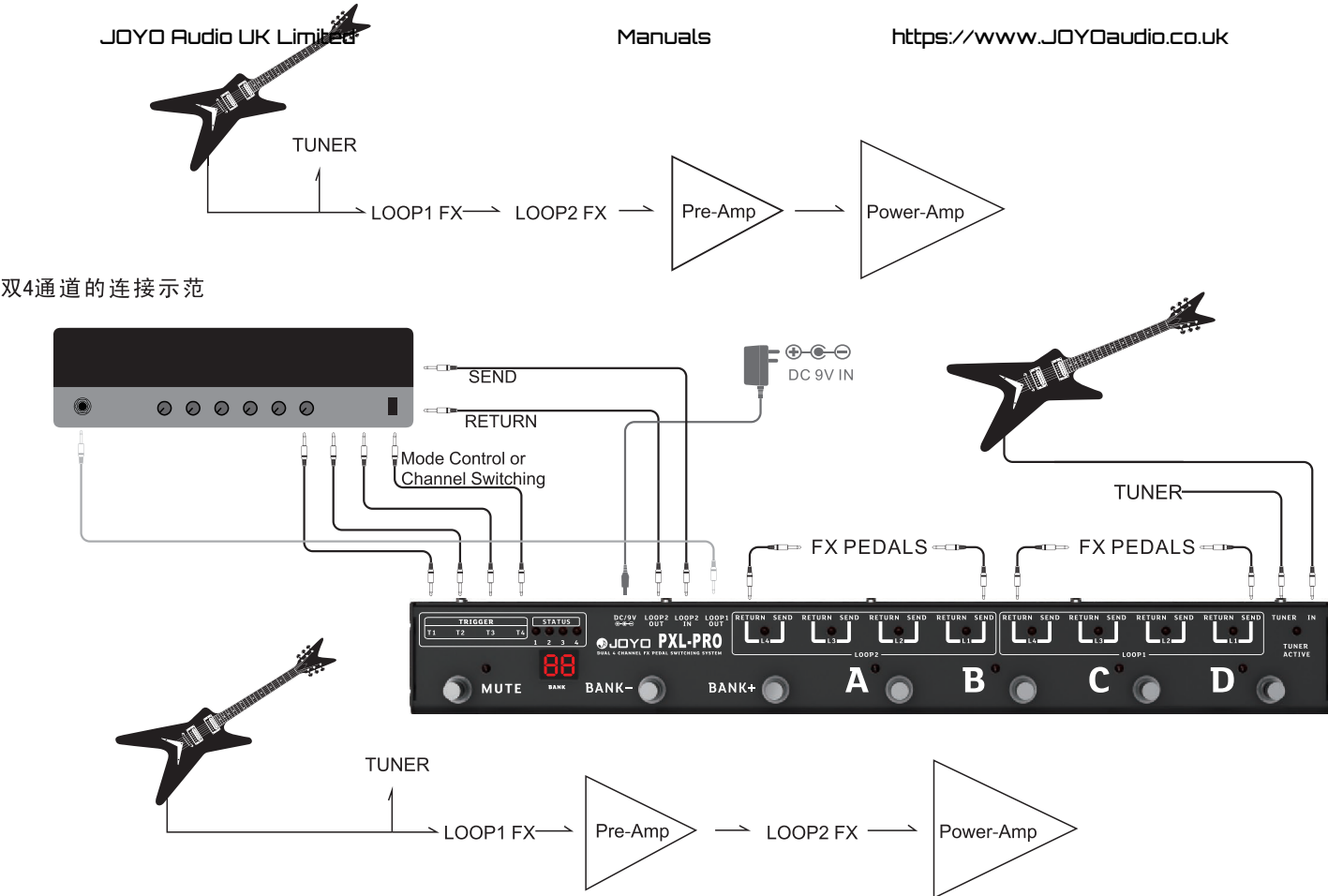
面板描述



说明：
1:当信号从IN输入，LOOP2 OUT输出时，8个通道全部使用，此时PXL-PRO工作于单8通道模式。当信号从IN输入，从LOOP1 OUT取LOOP1输出，并且LOOP2 IN 也有信号输入，并从LOOP2 OUT取LOOP2输出时，PXL-PRO工作于双LOOP模式。两个LOOP完全独立。

单8通道的连接示范





2: Bypass指LOOP1/2内部通道控制继电器直通，信号不经过所接入的效果器。Active状态则刚好相反，LOOP1/2内部通道控制继电器被激活，信号将流过通道内所接入的效果器。

操作指南

一：调音及静音操作

在非编辑模式下，踩MUTE开关一次，PXL-PRO打开TUNER端口，此时此端口将向外输出信号，TUNER ACTIVE指示灯亮起，外接调音表收到信号，开始调音。继续踩下第二次MUTE开关，PXL-PRO将会关闭LOOP1 OUT和LOOP2 OUT端口，两个信号输出端被静音，MUTE指示灯亮起，此时TUNER端口依然起作用，您可以实现静音调音。在第三次踩下MUTE开关后，PXL-PRO退出调音模式，关闭TUNER OUT端口，终止调音输出，然后重新打开LOOP1 OUT和LOOP2 OUT端口，向外输出信号。熄灭MUTE指示灯和TUNER ACTIVE指示灯并退出静音操作。

二：BANK切换

在非编辑模式设置下，踩下BANK+/-，即可实现库切换。切换后PXL-PRO并不会立即更新设置，而是在踩下A/B/C/D开关后，所选设置才会生效。在切换过程中，BANK数码管会显示1-8个BANK值以及当前的组号（A/B/C或D）。

三：编辑操作

一）编辑模式与编辑选项

在非编辑模式以及非BYPASS状态下，踩住MUTE开关并保持1秒以上，进入编辑模式。此时可见数码管屏幕显示“EH”字样，表明已经进入编辑模式。此时通过操作BANK+/-开关来选择需要编辑的项目，此时，您可在屏幕上看到以下字符：

- EH：进入后可以对LOOP2的4个通道进行编辑。
- EL：进入后可以对LOOP1的4个通道进行编辑。
- Et：进入后编辑T1-4，4触发器在LOOP1/2的非BYPASS时的动作。
- Eb：进入后编辑T1-4，4触发器在LOOP1/2的BYPASS后的动作。
- En：进入后编辑T1-4，4触发器的工作模式。可选工作模式有两种—M模式和L模式，分别对应MOM型和LATCH触发。如何选择触发器工作类型，您需要参照您要控制的设备使用手册。
- EP：进入后编辑T1-4，4触发器的极性属性。可选工作极性有两种—常开极性和常闭极性。如何选择触发器工作极性，您需要参照您要控制的设备使用手册。

以下章节将继续介绍如何对上述条目进行进一步的编辑。

二）编辑LOOP组合

在进入编辑模式后，通过操作BANK+/-开关将屏幕所显示选项调整至EH或EL(上一章节所提及)，因为两个通道的操作方式相同，所以这里以EL选项编辑为例来说明。当屏幕显示EL字样后，接下来的任务就是要打开或关闭LOOP1的某个通道。方法是直接操作A/B/C/D开关，这些开关的操作对象是：

A: L4 B: L3 C: L2 D: L1
每踩下一次开关，对应的通道继电器就会打开或关闭一次，对应通道的指示灯在打开时会亮起，而关闭时会熄灭。按照这个方式操作，直到调整到满意的组合。
注：同样的操作也适合于LOOP2。如果编辑完毕想直接保存或不保存退出，请参看退出编辑章节。

三）编辑触发器

触发器的编辑，务必按照以下顺序（当然，如果熟练操作，可以跳过这个顺序，选择想编辑的部分进行操作）：

- 极性 > 模式 > 非BYPASS时的动作 > BYPASS后的动作。
- 1: 触发器极性编辑
操作BANK+/-开关，让屏幕显示EP字样，此时即可对T1-T4的工作极性做出调整，您需要查看T1-T4的四个指示灯，这4个指示灯的亮与灭分别代表了常闭极性和常开极性。要设定某个触发器的极性，可以操作A/B/C/D这4个开关，开关与触发器通道的对应关系是：
A: T1 B: T2 C: T3 D: T4
比如您想操作T1的极性，此时踩下A开关，并观察T1的状态指示灯，灯亮表示为常闭极性，灯灭表示常开极性。编辑完成后，您可操作BANK+/-键来选择调整下一个属性，或选择退出编辑（长按MUTE保存退出，短按MUTE不保存）。
- 2: 触发器模式编辑
操作BANK+/-开关，让屏幕显示En字样，此时即可对T1-T4的工作模式做出调整，您需要查看T1-T4的四个指示灯，这4个指示灯的亮与灭分别代表了MOM模式和LATCH模式。要设定某个触发器的模式，可以操作A/B/C/D这4个开关，开关与触发器通道的对应关系是：
A: T1 B: T2 C: T3 D: T4
比如您想设置T1的模式，此时踩下A开关，并观察T1的状态指示灯，灯亮表示为MOM模式，灯灭表示LATCH模式。编辑完成后，您可操作BANK+/-键来选择调整下一个属性，或选择退出编辑（长按MUTE保存退出，短按MUTE不保存）。
- 3: 非BYPASS时的触发器动作
操作BANK+/-开关，让屏幕显示Et字样，此时即可对T1-T4在非BYPASS时的动作做出设定，您需要查看T1-T4的四个指示灯，这4个指示灯的亮与灭分别代表了开启设备和关闭设备。要对某个触发器进行设定，可以操作A/B/C/D这4个开关，开关与触发器通道的对应关系是：
A: T1 B: T2 C: T3 D: T4
比如您想对T1进行设置，此时踩下A开关，并观察T1的状态指示灯，灯亮表示为外部设备打开，灯灭表示外部设备关闭。编辑完成后，您可操作BANK+/-键来选择调整下一个属性，或选择退出编辑（长按MUTE保存退出，短按MUTE不保存）。
- 注：此处所说的打开与关闭只是一个泛指。比如控制音箱通道，可以设置成灯亮表示音箱工作于过载通道，灯灭表示原声通道。这里所说的打开与关闭仅仅表达一种状态。
- 4: BYPASS后的触发器动作
在一个音箱-效果器组成的系统中，有时我们想BYPASS掉全部效果器，使用音箱本身的音色，这时我们就需要效果器控制器具备在BYPASS掉LOOP时，可以对音箱做出某种控制，让音箱工作在你希望的通道或开启想要的效果。PXL-PRO的触发器允许用户进行这种设置，在LOOP1/2被BYPASS掉后，依然可以向音箱发出控制信息，让音箱切换通道或打开（关闭）混响效果。要进行BYPASS后触发器如何动作，您可以操作BANK+/-开关，让屏幕显示Eb字样，此时即可对T1-T4的LOOP BYPASS后动作做出设定，您需要查看T1-T4的四个指示灯，这4个指示灯的亮与灭分别代表了开启设备和关闭设备。要对某个触发器进行设定，可以操作A/B/C/D这4个开关，开关与触发器通道的对应关系是：
A: T1 B: T2 C: T3 D: T4
比如您想对T1进行设置，此时踩下A开关，并观察T1的状态指示灯，灯亮表示为外部设备打开，灯灭表示外部设备关闭。编辑完成后，您可操作BANK+/-键来选择调整下一个属性，或选择退出编辑（长按MUTE保存退出，短按MUTE不保存）。

四）退出编辑模式

您可以通过MUTE开关来进行保存并退出编辑模式或不保存并退出编辑模式的操作。

- 1: 保存并退出编辑模式
在编辑模式下，踩住MUTE开关，并保持1秒以上，PXL-PRO启动数据记录程序，将您刚刚设置好参数保存到内部记忆体中，保存完毕后自动返回到正常工作模式，屏幕显示当前工作BANK及组信息。
- 2: 取消当前编辑，不保存参数并退出编辑模式
在编辑模式下，踩下MUTE开关，PXL-PRO将还原未编辑前的全部参数，不会将这些参数保存到记忆体中，执行完毕后PXL-PRO自动返回到工作模式，屏幕重新显示当前工作BANK及组信息。

参数

BYPASS形式：BUFFERED BYPASS
功耗：240mA @ DC 9V
控制通道数：4LOOPSx2
其他控制：Trigger x 4
重量：1.68kg
体积：54.1x6.7x5.3cm

品牌:JOYO 名称:效果器
执行标准:QB/T 4324-2012
制造商:深圳市卓乐科技有限公司
地址:广东省深圳市宝安区28区新安三路陆氏工业大厦2楼
售后服务热线：0755-29765390 邮编:518133

产品合格证

检验结论合格

检验员号QC 01

日期

Guitar Effect Pedals

卓乐产品服务政策

一、在正常使用产品过程中，如果产品出现非人为损坏的性能故障，自购买之日起，消费者享有保修服务，保修期为12个月。
二、有下列情况之一者，消费者不能享受保修权益。
1、人为损坏；2、超过保修期；3、无保修卡及有效发票，但能够证明产品在保修期内的除外；4、保修卡与产品型号不符，或保修卡被涂改；5、未按说明书要求使用、维护、保养而造成产品损坏；6、未经卓乐公司授权，擅自拆卸、维修产品、或浸水、摔坏产品；7、其他不可抗力造成的损坏。
三、卓乐服务信息
消费者服务热线：0755-29765390
更多信息请访问：www.joyochina.cn

卓乐产品保修卡

产品型号		SN号码	
用户信息	姓名	购机日期	
	电话		
	地址		
	发票号码		
销售单位信息	名称（加盖公章）		
	地址		
	电话		

Guitar Amps