



PXL4/PXL8

Programable FX Pedal Switching System

User Manual

Thank you for purchasing this product!

In order to use this product more safely and get fully joy of its features, please read this owner's manual carefully and retain it for future reference.

HISTORY OF PXL SERIES PEDAL CONTROLLER

The history of the PXL Series Pedal Controller can be traced back to the year 2007, when a bass player in Beijing came to me with a problem. He told me that he had some effects pedals, all of which created good sounds, but they were not very accessible during a live performance. He'd often get into a serious rush on stage, trying to combine the pedals for a particular sound, sometimes even getting the wrong tone in the mess of all the switching. So he asked me if I could build a pedal controller that would combine those pedals into groups. This way, he'd only need one switching action to acquire his intended pedal combination. Based on such a concept, the PXL8 was born. This is the PXL prototype specially designed for that bass player. It was named P8B ① and looked a little shabby. You can search at GuitarChina.com to meet the review posts of our bass player friend at that time. In subsequent days, P8B was officially renamed PXL8 and the first generation model was put on the market. It was repainted black; all the other functions remained unchanged, including the storage and volume control. The PXL8 used a CS3310 chip for volume control and with 12V AC as power supply ②. As time moved on, taking into account the feedback of many musicians, in 2008 the PXL was updated again to its current design. As you can see, the PXL got quite a makeover. Most users of the PXL8 told us the volume control should be removed--they didn't like even the little bit of tone coloration it added. So now the PXL is a pure pedal controller. During the design process, we also took into account the unit's weight and consequently reduced the size and thickness of its outer casing. We added a ghost-like FOX graphic to represent the variety and uniqueness of the Wave-X® brand ③. Also available is the 4-channel PXL4, which is very suitable for musicians those only need few effect pedals while playing. The PXL4 provides the hardware they need at a more accessible price. By the end of 2011, PXL Series Pedal Controller was further improved. We reduced the size to save more space. Meanwhile, Big changes on the appearance design also make it more accessible! As far as hardware, we improved the accuracy and rationality of structure design--what we need to do is to think what you thought and try our best to provide you with high quality product! Now let's see what kind of facility and magic the PXL has!

⊗ WAVE-X have been merged with JOYO,it's been under JOYO brand ever since 2012.

WARNING ⚠

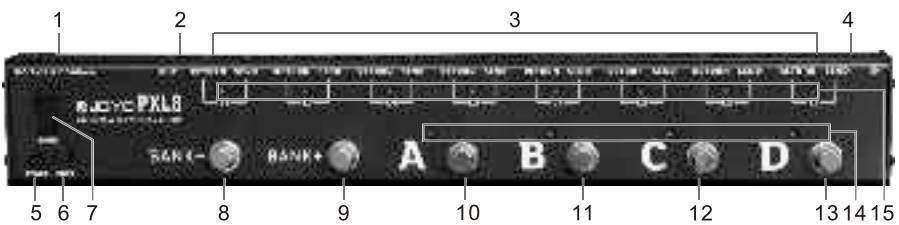
Please read the following carefully:

- The PXL's power supply is rated for DC 9V . Before using the adapter, be sure to confirm the POLARITY of the adapter's DC PLUG is the same with witch is shown in fig.1. A Failure to do so will cause DAMAGE to the PXL unit.
- The Power Adapter is not included, please buy it separately.
- To protect your amplifier from large shock, please connect the PXL, the FX pedals, and your amplifier in the following order:
 - Make sure your amplifier does not power on or in standby mode, rotate the volume knob to its lowest position.
 - Connect your effect pedals to the PXL unit, then connect the PXL output to the amplifier's input jack. Connect your instrument (guitar/bass or other musical instruments) to the PXL input jack.
 - Power on your effect pedals and the PXL unit with their respective power supplies. Switch all the FX pedals on.
 - Switch your amplifier on, turn the volume knob of your amplifier to the level you desire.
 - When powering down, be sure to turn off the amplifier first, then disconnect the PXL and other effects from their power supplies.
- The signal relay inside the PXL relies on mechanical parts which will naturally wear out over time and use. When in need of repair, take the unit to your sales center or JOYO's service center to purchase parts or to have repair work done.
- Remember to use high-quality connecting cables. Poor cables will adversely affect the signal and therefore overall sound quality.



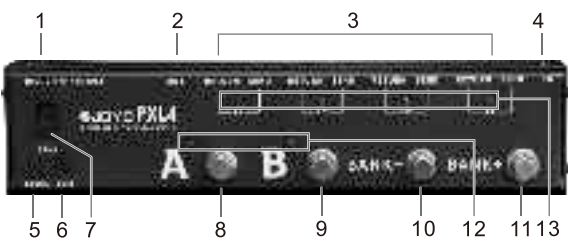
Figure 1

CONTROLS:



PXL8

- 1.9V power supply jack
- 2.Main output jack
- 3.Effects SEND/RETURN jacks
- 4.Instrument input jack
- 5.Store button
- 6.Edit button
- 7.Bank display
- 8.Bank up switch
- 9.Bank down switch
- 10.Group A on/off switch
- 11.Group B on/off switch
- 12.Group C on/off switch
- 13.Group D on/off switch
- 14.Group selection indication light
- 15.Effects status indication light



PXL4

- 1.9V power supply jack
- 2.Main output jack
- 3.Effects SEND/RETURN jacks
- 4.Instrument input jack
- 5.Store button
- 6.Edit button
- 7.Bank display
- 8.Group A on/off switch
- 9.Group B on/off switch
- 10.Bank up switch
- 11.Bank down switch
- 12.Group selection indication light
- 13.Effects status indication light



① The P8B



② PXL8 V.1



③ PXL8 V.2

OPERATION INSTRUCTIONS

It is very simple to use the PXL series FX Pedal grouping system. Please follow the instructions below to start your sound.

Pre-Setup:

- Connect your effect pedals to the L1-L8 (L1-L4 on the PXL4) FX Loop. Connect the SEND Jack to the FX pedal's INPUT jack, and connect the RETURN Jack to the FX pedal's Output Jack.
- Connect your guitar to the PXL's INPUT jack.
- Connect the PXL from the OUTPUT to your amplifier's INPUT.
- Connect the PXL power supply and also power on all your effects pedals, turn on all the FX pedals connected in the PXL's FX LOOP.
- Power your amplifier on.
- All the 8 LOOP channel of PXL is set to BYPASS mode and the group status indicator will flash after powered up, This means you have to choose one FX combination to start your sound.
- Use the A/B/C or D switches (A/B switch only in PXL4) to turn on/off the effect group you select. By repeatedly pressing any one of those switches, you bring the unit in and out of BYPASS mode. NOTE: While in Bypass mode, you can not perform an EDIT operation.
- The BANK+ and BANK- switches allow you to toggle between banks. There are eight banks (1-8) available in the PXL. When any bank is changed, the group will not be switched until one of the A/B(C/D) buttons is pressed.

NOTE: You can not perform an EDIT operation during Bank Change until you make a selection of one combination by pressing the A/B/C/D button again.

GROUPING OPERATION OF PXL8

- Press the EDIT button to enter the edit mode. In edit mode, an "L" will first appear on the display screen indicates you are now dealing with the lower 4 LOOP channel of PXL8 (L1-L4).You can press the 'BANK-' switch to switch the editing group to the uper 4 LOOP channel of PXL8,and a 'H' will appear on the display.
- PXL has 8 FX loop channels, but here we have only 6 control switches can be used. That means we have to find a way which we can perform edit operation to all the 8 FX loop channels. Here is the magic. We have the 8 Loop channels into 2 groups, treat L5-L8 as higher 4 loop channel, L1-L4 as lower 4 loop channel, and use the 'BANK-' switch to select the higher or lower 4 Loop group you want to edit. When you press the 'BANK-' switch and choose the higher 4 Loop groups to edit,a 'H' will on the LED display, indicates you are now editing the L5-L8 Loop channel. While choosing the lower 4 Loop groups, a 'L' will on the LED display, indicates you are editing the L1-L4 Loop channel.
- Once the desire Loop group is selected, use A/B/C or D foot switch to switch the FX signal Loop On or Bypassed.

If the higher group is selected:

Foot switch A controls the signal to through over the L8 channel or bypassed, and, if L8 channel is set as ON, the corresponding Effect Status Indicator of L8 will be turned On. If L8 is set as Bypassed, the corresponding Effect Status Indicator of L8 is turned Off. Foot switch B controls the signal to through over the L7 channel or bypassed, and, if L8 channel is set as ON, the corresponding Effect Status Indicator of L7 will be turned On. If L7 is set as Bypassed, the corresponding Effect Status Indicator of L7 is turned Off. Foot switch C controls the signal to through over the L6 channel or bypassed, and, if L6 channel is set as ON, the corresponding Effect Status Indicator of L6 will be turned On. If L6 is set as Bypassed, the corresponding Effect Status Indicator of L6 is turned Off. Foot switch D controls the signal to through over the L5 channel or bypassed, and, if L5 channel is set as ON, the corresponding Effect Status Indicator of L5 will be turned On. If L5 is set as Bypassed, the corresponding Effect Status Indicator of L5 is turned Off.

If the Lower group is selected:

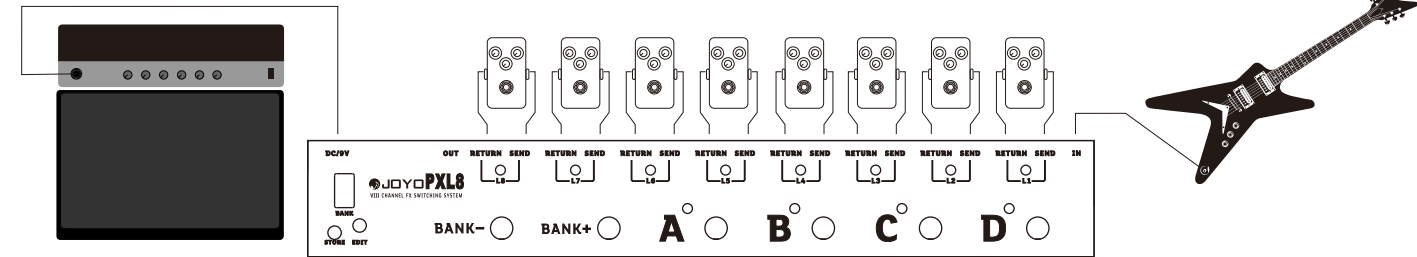
Foot switch A controls the signal to through over the L4 channel or bypassed, and, if L4 channel is set as ON, the corresponding Effect Status Indicator of L4 will be turned On. If L4 is set as Bypassed, the corresponding Effect Status Indicator of L4 is turned Off. Foot switch B controls the signal to through over the L3 channel or bypassed, and, if L3 channel is set as ON, the corresponding Effect Status Indicator of L3 will be turned On. If L3 is set as Bypassed, the corresponding Effect Status Indicator of L3 is turned Off. Foot switch C controls the signal to through over the L2 channel or bypassed, and, if L2 channel is set as ON, the corresponding Effect Status Indicator of L2 will be turned On. If L2 is set as Bypassed, the corresponding Effect Status Indicator of L2 is turned Off. Foot switch D controls the signal to through over the L1 channel or bypassed, and, if L1 channel is set as ON, the corresponding Effect Status Indicator of L1 will be turned On. If L1 is set as Bypassed, the corresponding Effect Status Indicator of L1 is turned Off.

- When you have done the grouping operation, press the STORE button to store your setting. If you don't want to change anything, press the EDIT button again to return to the previous settings. Doing this will cancel any of the changes you have made without saving them.

GROUPING OPERATION OF PXL4

- Press the EDIT button to enter the edit mode and an "E" will appear on the display screen indicates the PXL is now in EDIT mode.
- Operate the A/B/BANK+ or BANK- foot switch to switch on or bypass the pedal connected in the FX Loop. Press Foot Switch A to control the L4 Loop channel. If L4 is set as On, the corresponding Effect Status Indicator of L4 will be turned on. If L4 is set as Bypassed, the correspond Effect Status Indicator of L4 will be turned off. Press Foot Switch B to control the L3 Loop channel. If L3 is set as On, the corresponding Effect Status Indicator of L3 will be turned on. If L3 is set as Bypassed, the correspond Effect Status Indicator of L3 will be turned off. Press Foot Switch BANK+ to control the L2 Loop channel. If L2 is set as On, the corresponding Effect Status Indicator of L2 will be turned on. If L2 is set as Bypassed, the correspond Effect Status Indicator of L2 will be turned off. Press Foot Switch BANK- to control the L1 Loop channel. If L1 is set as On, the corresponding Effect Status Indicator of L1 will be turned on. If L1 is set as Bypassed, the correspond Effect Status Indicator of L1 will be turned off.
- When you have done the grouping operation, press the STORE button to store your setting. If you don't want to change anything, press the EDIT button again to return to the previous settings. Doing this will cancel any of the changes you have made without saving them.

RECOMMOND CONNECTION



TROUBLESHOOTING

- Sound sporadically cutting out:
 - Make sure all your effects and cables are properly connected. Also make sure your connecting cables are of good quality.
- No sound:
 - Make sure all your effects are properly connected, turned on, and volume set.
- Everything is properly connected and set, but still no sound:
 - Please contact the product supplier or place of sale.

SPECIFICATIONS

	Power Consumption	Combinations can be saved	True Bypass	Dimensions	Weight
PXL4	100mA	2x8banks	yes	28.3(L)x6.7(W)x5.5(H) cm	0.88kg
PXL8	200mA	4x8banks	yes	44(L)x6.7(W)x5.5(H) cm	1.34kg



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Accessories



PXL4/PXL8 可编程效果器编组盒

用户使用说明

感谢购买我们的产品!

为了让您在使用时更好的发挥它性能和更安全的使用本产品。请您务必仔细阅读本使用说明书，详细了解本产品使用中的一些注意事项，请保管好该使用手册，以便以后能随时查阅。

在PXL系列控制器的历史可以追溯到2007年，当时，一位北京的BASS手找到我，他说他有很多单块效果器，可是有个问题是，这些单块效果器的声音虽然好，只是在演出的时候，用起来非常的不方便，经常会在切换音色时把自己搞的手忙脚乱，还会换错音色，于是便问我，能不能给他制作一个控制器，把这些单块进行编组，这样，他只需要踩一下开关，就可得到他想要的单块组合，就这样，经过一段时间的开发，PXL8诞生了，你还可以在吉他中国搜索到当时他发的评测贴子。

这就是当时为这位BASS手定制的PXL的样子，当时命名为P8B，那时的样子还显得有点寒酸。①

在后来的日子里，P8B被正式更名为PXL8，有了他的第一代版本。漆面做成了磨砂黑色，功能依然同往常一样，带有存储 及总音量控制。第一代及初代的音量控制IC用的都是CS3310，并使用交流12V供电。②

时间辗转到2008年，在收集诸多乐手们的反馈后，PXL的第二版诞生了。可以看到，PXL外观也发生很大的变化。实际上，收集到最多的信息是，大家要求去掉音量控制部分，他们不喜欢音染，哪怕一点点。最终的PXL变成了一只纯粹的Pedal控制器，再次设计同样考虑到了控制器自身重量的问题，修改了他的体积以及外壳厚度，使其体积更小，重量更轻。上面的标志也做了改动，那是一只狐狸，我把他设计成一个鬼魂样的狐狸，寓意为WAVE-X®的多变及与众不同。③

别忘了PXL的4通道版本PXL4，PXL4的出现主要是迎合一些只需要少数单块的朋友，他们可以以比较合理的价格买到他们所需要的设备。

2011年底，PXL系列控制器再一次做出改进。现在PXL从体积上进一步缩小，以进一步减小空间占用，这样小的体积，我想你再也找不出第二个类似的产品。另外，本次对PXL的外观也做出了较大的改动，修改后的外观更具有亲和力，硬件结构上，也变得更加牢固合理，我们要做的，就是想您所想。现在就开始感受PXL为您带来的最便捷的切换体验吧。

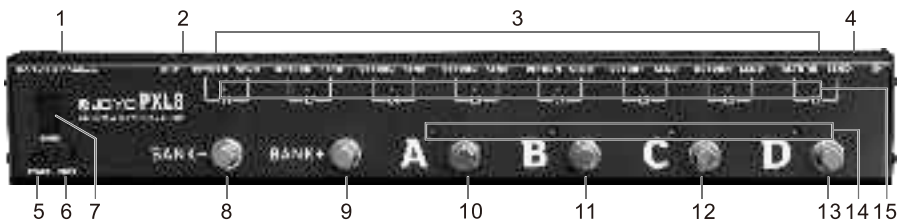
Ⓜ WAVE-X®已与JOYO合并，并于2012年全部转用JOYO标志。

注意事项 ▲

请仔细阅读以下条目。

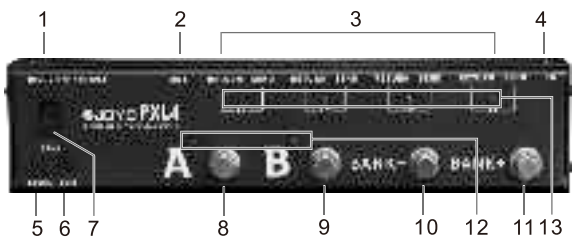
1. PXL所用电源为 DC9V（PXL8:300mA,PXL4:200mA），在使用之前请先务必确认您所使用的电源适配器极性与图1所标识的极性相同。使用错误的电源适配器将导致PXL损坏。
2. PXL在出厂时不附带电源适配器，您需要另行购买。所需的电源适配器的要求是：
PXL8：9V,300mA,外正内负（如图1所示）
PXL4：9V,200mA,外正内负（如图1所示）图1
3. 为避免对您的乐器放大设备造成损坏，请按照以下次序来进行设备连接
a) 在所有设备连接好之前，保证您的乐器放大设备（如吉他音箱）处于关闭或Bypass状态，并将音量旋至最小位置。
b) 将效果器与PXL进行连接，PXL的SEND接口连接至效果器的INPUT，PXL的RETURN连接到效果器的OUTPUT。连接PXL的总输出(OUTPUT)至乐器放大器的INPUT，连接乐器至PXL的INPUT。
c) 接通效果器以及PXL的电源，并使全部效果器处于工作状态（使效果器的灯亮起）。
d) 打开乐器放大器（如吉他音箱），并将音量旋钮旋至合适的位置。
e) 在结束使用时，请务必先关闭您的乐器放大器（如吉他音箱），再切断PXL和效果器的电源。
4. PXL使用信号继电器作回路内信号切换，继电器属于机械性部件，再若干的使用周期后会因自然磨损而发生损坏。当发生损坏时，您可以联系我们的经销商或联系JOYO的售后服务中心购买需要更换的部件，并寻找专业的技术人员进行维修。
5. 请使用高品质的效果器连线，劣质的连线会对信号产生音染。

面板描述



PXL8

1. 9v电源输入
2. 总输出
3. 效果器接口
4. 乐器输入
5. 存储按键
6. 编辑按键
7. 库指示
8. 库减
9. 库增
10. A组开关
11. B组开关
12. C组开关
13. D组开关
14. 组状态指示灯
15. 效果器状态指示灯



PXL4

1. 9v电源输入
2. 总输出
3. 效果器接口
4. 乐器输入
5. 存储按键
6. 编辑按键
7. 库指示
8. A组开关
9. B组开关
10. 库减
11. 库增
12. 组状态指示灯
13. 效果器状态指示灯

操作指南

PXL系列效果器控制器的使用非常简单。请按照下列说明来学习如何使用PXL控制器预设置

- 1.连接您的效果器到PXL的L1-L8信号回路通道（PXL4为L1-L4通道），SEND连接到效果器的Input端，RETURN连接到效果器的Output端。
- 2.连接您的乐器到PXL的INPUT端。
- 3.将PXL的OUTPUT连接到音箱的INPUT端。
- 4.接通PXL和全部效果器的电源，打开全部接入的效果器开启全部效果。
- 5.接通音箱的电源。
- 6.PXL的全部8个通道（PXL为4个通道）在接入电源后为BYPASS状态，您首先需要选择一个组合来开始您的演奏。
- 7.利用A/B/C或D脚踏开关以及BANK+/-来选择一个组合。连续踩下A/B/C或D开关可以使效果器组合被激活或被BYPASS。
注：在BYPASS状态下，无法执行编辑操作。
- 8.BANK+/-按键可以让你在8个BANK(库)之间切换。每个BANK有A/B/C/D四个预设组合（PXL4为A/B两个预设组合）。如果进行了BANK切换操作，您当前使用的效果编组不会立刻发生改变，直到您按下A/B/C/D中某个开关后，才会变更到新的编组。
注：在BANK切换操作被执行后，无法进行编辑操作。编辑操作必须在正常的使用状态下进行（A/B/C/D任意一组处于开启的状态下）。

PXL8的编组

- 一：按下EDIT按键，使PXL8进入编辑模式，这时LED显示屏上会显示L字符，表正在对PXL8的低4组LOOP，L1-L4进行编组操作。如果想编辑L5-L8组，你需要按下BANK-键，这时显示屏上会显示出H字符，表示现在可以对PXL8的高4组LOOP，L5-L8进行编辑操作。
- 二：PXL有8组LOOP通道，但只有6只脚踏开关，就是说我们需要找到一种可以对全部8个通道执行编辑操作的办法。这里我们把8个LOOP通道分成两组，L5-L8视作高4组，L1-L4视为低四组，再配合BANK-开关来选择对高4组LOOP还是低4组LOOP进行编辑。当你按下BANK-开关，并选择对高4组（L5-L8）进行编辑时，LED显示屏上会显示H字样，表示你正在对L5-L8通道进行编辑；当选择对低4组（L1-L4）进行编辑室，LED显示屏上会显示L字样，表示你真正该对L1-L4通道进行编辑。
- 三：在选择好要编辑的分组后，利用A/B/C或D开关来打开或BYPASS效果器LOOP。

如果选择操作高4组LOOP（L5-L8）：

- （1）脚踏开关A控制信号流过L8回路或者是被旁路（BYPASSED）。在L8回路被设置为接通（On）时，对应的L8通道状态指示灯会亮起，如果L8回路被设置为旁通（BYPASSED），对应的L8通道状态指示灯熄灭。
- （2）脚踏开关B控制信号流过L7回路或者是被旁路（BYPASSED）。在L7回路被设置为接通（On）时，对应的L7通道状态指示灯会亮起，如果L7回路被设置为旁通（BYPASSED），对应的L7通道状态指示灯熄灭。
- （3）脚踏开关C控制信号流过L6回路或者是被旁路（BYPASSED）。在L6回路被设置为接通（On）时，对应的L6通道状态指示灯会亮起，如果L6回路被设置为旁通（BYPASSED），对应的L6通道状态指示灯熄灭。
- （4）脚踏开关D控制信号流过L5回路或者是被旁路（BYPASSED）。在L5回路被设置为接通（On）时，对应的L5通道状态指示灯会亮起，如果L5回路被设置为旁通（BYPASSED），对应的L5通道状态指示灯熄灭。

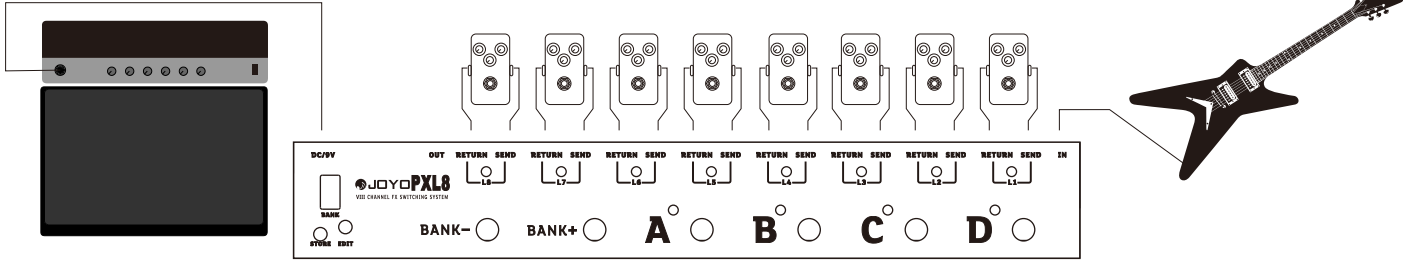
如果选择操作低4组LOOP（L1-L4）：

- （1）脚踏开关A控制信号流过L4回路或者是被旁路（BYPASSED）。在L4回路被设置为接通（On）时，对应的L4通道状态指示灯会亮起，如果L4回路被设置为旁通（BYPASSED），对应的L4通道状态指示灯熄灭。
- （2）脚踏开关B控制信号流过L3回路或者是被旁路（BYPASSED）。在L3回路被设置为接通（On）时，对应的L3通道状态指示灯会亮起，如果L3回路被设置为旁通（BYPASSED），对应的L3通道状态指示灯熄灭。
- （3）脚踏开关C控制信号流过L2回路或者是被旁路（BYPASSED）。在L2回路被设置为接通（On）时，对应的L2通道状态指示灯会亮起，如果L2回路被设置为旁通（BYPASSED），对应的L2通道状态指示灯熄灭。
- （4）脚踏开关D控制信号流过L1回路或者是被旁路（BYPASSED）。在L1回路被设置为接通（On）时，对应的L1通道状态指示灯会亮起，如果L1回路被设置为旁通（BYPASSED），对应的L1通道状态指示灯熄灭。

PXL4的编组操作

- 一：按EDIT按键进入编辑模式，此时可以在屏幕上看到E字样，表明PXL4已进入编辑模式。
- 二：操作A/B/BANK+或BANK-开关来打开或关闭串接在L1-L4 LOOP内的效果器。
（1）踩下A开关来控制L4通道。当L4被设置为开启时，对应的L4通道指示灯会亮起，当L4被设置为旁通（BYPASS）时，对应的L4通道指示灯熄灭。
- （2）踩下B开关来控制L3通道。当L3被设置为开启时，对应的L3通道指示灯会亮起，当L3被设置为旁通（BYPASS）时，对应的L3通道指示灯熄灭。
- （3）踩下BANK-开关来控制L2通道。当L2被设置为开启时，对应的L2通道指示灯会亮起，当L2被设置为旁通（BYPASS）时，对应的L2通道指示灯熄灭。
- （4）踩下BANK+开关来控制L1通道。当L1被设置为开启时，对应的L1通道指示灯会亮起，当L1被设置为旁通（BYPASS）时，对应的L1通道指示灯熄灭。

连接示意图



故障排除

- 1: 声音时有时无
请检查您的效果器连线是否连接好，并检查连线是否有质量问题导致接触不良。
- 2: 没有声音
逐一检查通道内效果器的连接是否正确。
- 3: 全部检查，没有问题，但依然无声或有其他问题
请联系最近的经销或卖家进行处理。

参 数

	功耗(电流@9V DC)	可存储编组数	True Bypass	尺寸	重量
PXL4	100mA(满载)	2x8banks	是	28.3(长)x6.7(宽)x5.5(高) cm	0.88kg
PXL8	200mA(满载)	4x8banks	是	44(长)x6.7(宽)x5.5(高) cm	1.34kg

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	

卓乐产品服务政策		卓乐产品保修卡	
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. 超出保修期；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			
产品信息	产品型号	姓名	SN号码
		电话	购机日期
		地址	
		发票号码	
销售单位信息		名称（加盖公章）	
		地址	
		电话	