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 GuitarChins.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!

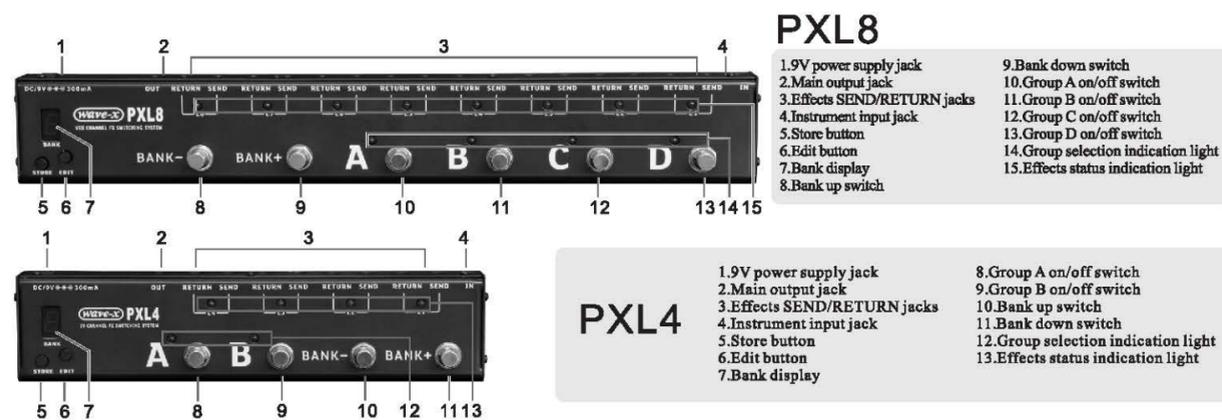① The P8B

② PXL8 V.1

③ PXL8 V.2

WARNING ⚠

Please read the following carefully:

1. 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.

2. The Power Adapter is not included, please buy it separately.

3. To protect your amplifier from large shock, please connect the PXL, the FX pedals, and your amplifier in the following order:

   a) Make sure your amplifier does not power on or in standby mode, Rotate the volume knob to its lowest position.

   b) 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.

   c) Power on your effect pedals and the PXL unit with their respective power supplies. Switch all the FX pedals on.

   d) Switch your amplifier on, turn the volume knob of your amplifier to the level you desire.

   e) When powering down, be sure to turn off the amplifier first, then disconnect the PXL and other effects from their power supplies.

4. 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 WAVE-X `s service center to purchase parts or to have repair work done.

5. Remember to use high-quality connecting cables. Poor cables will adversely affect the signal and therefore overall sound quality.

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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

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:

1. 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.
2. Connect your guitar to the PXL's INPUT jack.
3. Connect the PXL from the OUTPUT to your amplifier's INPUT.
4. 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.
5. Power your amplifier on.
6. 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.
7. 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 modee. NOTE: While in Bypass mode, you can not perform an EDIT operation.
8. 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

1. 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.

2. 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.

3. 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.
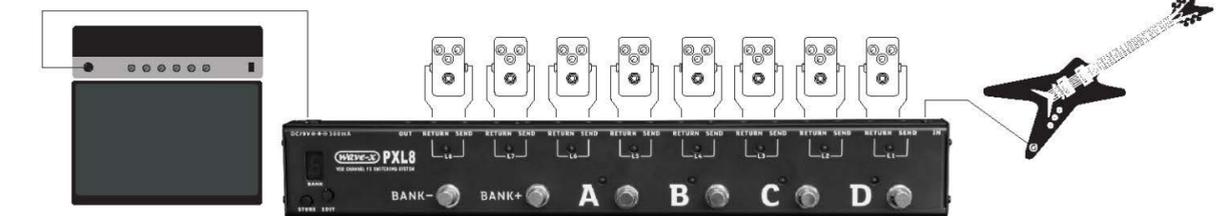
   If the Lower group is selected:
   Foot switch A controls the signal to through over the L4 channel or bypassed, and, if L4 channel is set as ON, the corresponding Effect Status Indicator of L4 will be turned On. If L4 is set as Bypassed, the corresponding Effect Status Indicator of L4 is turned Off.
   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.

4. 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

1. Press the EDIT button to enter the edit mode and an "E" will appear on the display indicates the PXL is now in EDIT mode.

2. 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.

3. 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

1. Sound sporadically cutting out:
   Make sure all your effects and cables are properly connected. Also make sure your connecting cables are of good quality.
2. No sound:
   Make sure all your effects are properly connected, turned on, and volume set.
3. 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)x8.2(W)x5.5(H) cm	0.88kg
PXL8	200mA	4x8banks	yes	44(L)x8.2(W)x5.5(H) cm	1.34kg

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