

# HOT SWAP

Operating Instructions

**Lock & Rock™**

**Street Smart Guitar Effects**

**By Brannon Electronics, Inc.**

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### **Connections**

Input - Instrument connection, input to the Hot Swap

Output - Output to Amplifier (or other pedals)

Power - External power connection 9 to 12VDC , negative center  
(protected from reverse polarity).

Internal 9 volt battery may be used in lieu of external power source.

### **Settings and Indications**

IN/OUT A - Blue Green LED's

IN/OUT B - Blue LED's

LED flashes for ½ second each 5 seconds  
indicates Low Power Mode. (this mode of operation lowers  
the power consumption and extends battery life).

**Note:** Low Power Mode is always entered on power up.

Any LED flashing two times per second indicates a Low battery.

Any LED flashing four times per second indicates a Low Low battery.

**Note:** *During Low battery, the flashing LED will be the LED of the  
current selection.*

### **Key Features**

A and B Inputs  
A and B Outputs  
Select both OUTPUTS\*  
Select both INPUTS\*  
Different Color LED's for each channel\*  
Mute Mode\*  
Internal Battery or External Powered  
Low Battery Detection\*  
Low Low Battery Detection\*  
Low Power Consumption Mode\*  
Locks together with other Lock and Rock pedals\*

### **Operating Instructions**

The Hot Swap provides you many combinations of an input - output selection.  
The color coded LEDs give you positive indication of the A B currently selected.

*Simple Operation: **Stomp switch to change settings.**  
Switches are operate on release.*

\*These are Street Smart Features

### **A/B Controls**

To change the INPUT or OUTPUT just simply press the LEFT or RIGHT stomp switch. Each time the RIGHT switch is pressed the pedal will toggle between the A and B INPUT. Each time the LEFT switch is pressed the pedal will toggle between the A and B OUTPUT.

If the LEFT Switch is held down for 2 seconds the selected INPUT will be routed to both OUTPUT A and OUTPUT B. With both OUTPUTS selected you can still toggle between either input. Pressing the LEFT switch again will return you to the single output that was previously selected.

If the RIGHT Switch is held down for 2 seconds INPUT A will be routed to OUTPUT A and INPUT B will be routed to OUTPUT B. (or mutes if optional mode is selected) Pressing the RIGHT switch again will return you to the previous I/O selection.

**Note:** If the Hot Swap is in the low Power Mode the first stomp will set the pedal to and A/B selection.

**Left Switch – Output select      Right Switch – Input select**

*HOLD Switch down for 2 seconds for double selection.*

### Selection of Control

Input.....Output

A ----- A

A ----- B

A ----- A and B

B ----- A

B ----- B

B ----- A and B

A to A and B to B

Hold down switch 2 seconds selects both

### Optional Operational Modes

Alternate operational modes may be selected by setting the internal DIP switches. To access the DIP switches, open the pedal as if you were going to change the battery. You will see the DIP switch on the lower center of the printed circuit board.

Normal operation is selected by switches being set to the open (off) position (factory default).

Switch 1 closed (on) **LOW POWER OPERATION** In this mode the pedal always operates in a low power mode. Instead of the LEDs being ON to indicate the settings, the appropriate LEDs will flash ON each five seconds. You will still see the valid selection when pressing a switch.

Switch 2 closed (on) **MUTE MODE** In this mode the pedal will enter a mute mode whenever the RIGHT switch is held down for 2 seconds (as opposed to routing A to A and B to B).

Switch 3 closed (on) **POWER UP MUTE** In this mode the pedal will power up with no INPUTs active as opposed to the standard power up of INPUT A routed to OUTPUT A. In this mode no LEDs are on until a switch is pressed.

You will quickly realize that the **changes are made when the switch is released** (not when it is pressed down). You will also notice that the switch has a different feel than the normal snap type stomp switches.

### **Low Battery Detection**

The pedal monitors the battery voltage level and notifies you when approximately 20 hours of battery life is left. A low battery is indicated by the LED's flashing at a rate of twice per second as opposed to being on solid. The active channel LED's will be the one that flashes. This low battery detection gives you advanced warning that you need to change the battery soon. This keeps you from having to change a battery at an inconvenient time. The battery is a standard 9V type. The pedal also senses a LOW LOW battery, this is when approximately 5 hours of battery life is left. This low low battery is indicated by the LED flashing at a faster rate of approximately 4 times per second. The amount of battery life left may vary somewhat based on the type of battery. Also, the pedal has been designed to consume the same amount of power at all settings (except standby). This relieves you of worry about how fast the battery is being drained while at different settings.

*Low battery operation has no effect on the operation of the Hot Swap. After operation of a few hours in the Low Low battery mode you might start to hear some distortion.*

*When using a battery, the ¼" input jack functions as a power switch. When an instrument is plugged into the Input jack the unit will power up into the Low Power Mode. When the plug is removed the power will be turned off. (it may take a few seconds for the power to go off)*

Anytime the external power is connected, the internal 9V battery will be disconnected, and the pedal is powered up. Plugging or unplugging the instrument will have no effect on the pedal and its operational mode. When using External Power it is not required that a battery be installed. As soon as you connect a 9 to 12 V DC power adapter, the pedal will power up. (Center pin of 2.1mm plug is V- or ground.)

### **Changing Battery**

To change the battery, turn the Hot Swap upside down and remove the four screws that hold the rubber feet. Lift and remove the bottom cover. You will see the battery retainer. Remove the old battery and replace with a fresh 9V battery. Replace the cover and reinstall the rubber feet and screws. Dispose of the old battery in a proper manner. The battery holder used is one for server shock and vibration and requires a slight force to remove and install the battery.

**Note:** If the Hot Swap is locked to other pedals, the locking bracket does not need to be removed to change the battery.

### **Locking to other pedals**

Lock and Rock pedals have the ability to lock together and therefore possibly save the trouble of using a pedal board. The bottom of the pedal has four 6-32 screws that allow pedals to lock together, when using the SLIDE LOCK bracket. Supplied screws are 3/8 inch in length. Also, an optional T handle is available to allow easy and convenient carrying of the pedal. The T handle locks to the pedal by using the screws in the bottom of the pedal. (screws are provided with the slide lock or T handle brackets)

### **Cleaning**

To clean the pedal wipe with a soft, dry cloth or a cloth that has been slightly dampened with water. If required, for better cleaning, use a mild, non-abrasive detergent. Never use abrasives or solvents for cleaning, to avoid the possibility of discoloration or scratches. The pedals are made of Aluminum for durability and strength and then powder coated.

### **Cautions**

Protect the pedal from strong impacts. Do not allow objects or liquid to penetrate into the pedal. *Before connecting or disconnecting any cords it is always a good idea to set your volume controls to the minimum to help prevent any damage to system components.*

### ***HOT SWAP PEDAL***

Input select .....A or B or A to A, B to B (two ¼" jack)

Output select ....A or B or A and B (two ¼" jack)

LED's.....Four for indications

Dimensions..... 5.75 W x 6.25 D x 2.25 H inches (approx.)

Weight..... 1 ¼ lbs (approx.)

Power Supply.... 2.1 mm jack, 9 to 12VDC, Center negative

Accessories..... Operation manual, Warranty registration card

Options..... Locking bracket, T handle

**NOTE:** Professional Musicians - Changes can be made to the product if required in order for the operation and settings to better suit your needs. These changes can usually be made for a very small fee. Contact us for any special requirements you might have, or to discuss available options.

Note: *The specifications, operation and/or appearance of the Hot Swap are subject to change without prior notice, in the interest of product improvement.*

For warranty service contact dealer  
or [www.lockandrock.com](http://www.lockandrock.com)

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