

Preliminary

SWEET BOOST

Operating Instructions

Lock  Rock™
Street Smart Guitar Effects

By Brannon Electronics, Inc.

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Key Features

Three Boost Settings
Single Switch Control (no POT's to adjust)
Different Color LED's for each setting
Bypass Mode
Semi 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 Sweet Boost provides you three levels of Boost plus a UNITY setting (bypass). You get a repeatable setting each and every time. No Pots to adjust, let your foot control the boost levels. The color coded LEDs give you positive indication of the level currently selected. To change the Boost level just simply press the stomp switch. Each time the switch is pressed the pedal will go the next Boost level. If at Boost Level III and the switch is pressed the Boost level will cycle to UNITY.

Note: If the Sweet Boost is in the low Power Mode the first stomp will set the pedal to UNITY level.

*Simple Operation: **Stomp switch to change settings.**
Single Switch is operate on release.*

Connections

Input - Instrument connection, input to the Sweet Boost

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

UNITY - Green LED - no effect (unity gain/bypass mode)

LEVEL I - Yellow LED - 1st boost setting

LEVEL II - Amber LED - 2nd boost setting

LEVEL III - Red LED - 3rd boost setting

Green LED (UNITY) flashes for ½ second each 5 seconds indicates Low Power Mode. (this mode of operations 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 Boost level selection.*

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 right corner of the printed circuit board.

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

Switch 1 closed (on) **reverses** the operation of the stomp switch. The boost settings go Unity - Level III - Level II - Level I - Unity.. this setting allows you to go from Unity to Max Boost with a single stomp.

Switch 2 closed (on) **increases** the Boost of Level III by approximately 3db (Unity, Level I and Level II are unaffected).

Switch 3 closed (on) Low Power Mode lowers the output by approximately 14 db as opposed to being UNITY. This is a **semi -mute** or quiet mode. The Low Power Mode is entered on power up or by holding down the stomp switch for three seconds. (Normal UNITY operation is unaffected.)

Note: *Any combination of switch settings may be selected to increase the versatility of the pedal. (Also, see Quick Set Option)*

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.

Plug in and enjoy the Sweet Boost! Many musicians prefer to keep the pedal at boost Level I at all times, to get that Sweet Boost Tone.

Quick Set Option

Holding down the stomp switch while plugging in an instrument (or power up from external power) will allow different operation during this use. The pedal senses the stomp switch as being held down while being powered up and causes the pedal to operate as if DIP switches 2 and 3 are off. And the boost level sequence is reversed (opposite of DIP switch 1 setting). Repowering the pedal without holding down the stomp switch will cause operation to continue based on DIP switch settings. This is intended as a quick way to go back to default operation without having to open the pedal, or as a way to quickly set the stomp switch to operate in the opposite manner. Notice that if you hold down the stomp switch while powering up the pedal, the UNITY and LEVEL III LED's will lite until the stomp switch is released. This is to indicate that a override of the DIP switch settings is taking place. When the stomp switch is released the pedal will continue to power up into the Low Power Mode.

Low Power Mode

1. When the pedal is powered up (by plugging in an instrument while on battery power or by connecting an external DC source) a Low Power Mode is entered. When in Low Power Mode the UNITY (Green) LED will flash for ½ second each 5 seconds and the pedal will be in a UNITY level (or if DIP switch 3 option, a semi mute mode). As soon as the stomp switch is pushed and released, the pedal exits the Low Power State (STANDBY) and enters UNITY level, and the UNITY LED will be on solid. This mode is used to allow operation or standby with about a 50% reduction in power consumption. The Output and Tone are unaffected (unless DIP switch 3 option is selected).
2. *An alternate way to enter Low Power Standby Mode is simply to hold down the stomp switch for 3 or more seconds and when the stomp switch is released the Low Power Mode is entered. This is typically used when going on breaks or as a way to go to UNITY setting at anytime without cycling through the different levels.*

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 flashing at a rate of twice per second as opposed to being on solid. The active boost level LED 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 drained while at different settings.

Low battery operation has no effect on the operation or tone of the Sweet Boost. After operation of a few hours in the Low Low battery mode you might start to hear some distortion. Low battery is not monitored during the Low Power Mode of operation.

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.

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 Sweet Boost 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 severe shock and vibration and requires a slight force to remove and install the battery.

Note: If the Sweet Boost 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.

Dimensions..... 4.5 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 level 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.

For additional information contact:

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