

SOUR BOOST

Operating Instructions

Lock  Rock™

Street Smart Guitar Effects

By Brannon Electronics, Inc.

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Connections

Input - Instrument connection, input to the Sour 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 - Tone/Drive setting
LEVEL I - Blue Green LED - Tone/Drive setting
LEVEL II - Blue LED - Tone/Drive setting
LEVEL III - Yellow LED - Tone/Drive setting
LEVEL IV - Amber LED - Tone/Drive setting
LEVEL V - Red LED - Tone/Drive setting
Distortion - Amber LED - distortion

Green LED (UNITY) flashes for ½ second each 5 seconds
indicates Low Power Mode. (this mode of operation lowers
the power consumption and extends battery life).
AMBER LED (DISTORTION) flashes at fast speed when controlling
drive/distortion level (about 8 times per second)
Amber LED (Distortion) flashes at slow speed when controlling tone (about
once per second)

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.
(Distortion LED excluded)

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

Key Features

Eleven Drive Settings
10 Tone settings
Mid range Boost*
Mid range Cut*
Stomp Switch Control (no POT's to adjust)*
Different Color LED's for each setting*
Bypass 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*
Slow flashing LED indicates Tone Control*
Fast flashing LED indicates Drive Control*
Set Tone and Drive in Bypass mode*

Operating Instructions

The Sour Boost provides you eleven levels of Drive to control the level of distortion, plus ten different tone settings-five settings with mid range cuts and five setting with mid range boost. You get a repeatable setting each and every time. No Pots to adjust, let your foot control the Distortion levels or tone settings. The color coded LEDs give you positive indication of the level currently selected.

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

*These are Street Smart Features

Distortion Control

To change the Distortion (Drive) level just simply press and hold the RIGHT stomp switch for 2 seconds. Each time the RIGHT switch is pressed the pedal will increase to the next Drive level. If at Level V Max and the Right switch is pressed the Drive level will cycle to UNITY Low. Each time the LEFT switch is pressed the pedal will decrease down a Drive level. If at Level UNITY Low and the Left switch is pressed the Drive Level will cycle to maximum Distortion. So, when at UNITY pressing the left switch will take you directly to maximum Drive, and then the Right switch can be used to take you back to UNITY for lowest Distortion. Pressing the TOP switch Toggles the between Bypass and Distortion (i.e. SOUR BOOST)

There are Eleven Drive levels. They are indicated by the Unity LED being the lowest level, increasing to Level I, II, III, IV, V and then Unity+Level I, Unity + II, Unity +III, Unity + IV and Unity +V being the maximum Drive (most Sour Boost).

Note: If the Sour Boost is in the low Power Mode the first stomp will set the pedal to UNITY level and will be controlling the Drive.

Increasing the drive level increases the distortion level and not the volume level.

Left Switch – Decrease(Tone) Right Switch – Increase(Drive)

NOTE: Holding down the right switch (DRIVE) for 2 seconds puts the pedal into the control Drive mode.

Tone Control

To change the Tone just simply press and hold the LEFT stomp switch for 2 seconds. Each time the RIGHT switch is pressed the pedal will increase to the next Tone level. If at Level IV and the Right switch is pressed the Tone level will cycle to mid range cut or boost. Each time the LEFT switch is pressed the pedal will decrease down a Tone level. If at Level UNITY and the Left switch is pressed the Tone Level will cycle to mid range cut or boost. So, when at UNITY or level IV pressing the left switch will take you directly to a setting that changes the mid range, and then the Right switch can be used to take you back. Pressing the TOP switch Toggles the distortion between Bypass and Distortion. The Tone setting makes a substantial impact on the distortion.

There are Ten TONE settings. They are indicated by the Unity LED being the most BASS, increasing to Level I, II, III, IV adds more Treble. The Top RED LED indicates the midrange setting. LED II (BLUE) is balanced Bass and Treble.

Left Switch – Bass(Tone) Right Switch – Treble(Drive)

NOTE: Holding down the LEFT switch (TONE) for 2 seconds puts the pedal into the control TONE mode.

Drive/Tone Indications

LED indication for tone and drive settings are as follows:

TONE settings: There are ten tone settings.

RED LED V.....ON is mid cut OFF is mids boosted
Amber LED IV highTreble
Yellow LED III Treble boosted
Blue LED IINormal tone setting
Blue/Green LED IBass boosted
Green LED UNITYheavy Bass

When controlling Tone the power on default is to the normal position with mids boosted. Use the Right switch to go up a level and the Left switch to go down a level. If at Level IV, the Right switch will cycle you to mid cut with max Bass- LEDs V and UNITY come on. Ten presses cycles you through all Tone Settings.

DRIVE settings: There are eleven drive settings.

Green UNITY +V.....Maximum drive LEVEL
Green UNITY +IV.....increase drive next level
Green UNITY +III.....increase drive next level
Green UNITY +II.....increase drive next level
Green UNITY + I.....increase drive next level
RED LED V increase drive next level
Amber LED IV increase drive next level
Yellow LED III increase drive next level
Blue LED IIincrease drive next level
Blue/Green LED Iincrease drive 1 level
Green LED UNITYlowest drive (distortion)
The drive (distortion) cycles through these setting. You can use the Right and Left switches to increase or decrease the drive.

Drive/Tone Select

Holding down the left (TONE) switch for two seconds selects Tone control, while holding down the right (DRIVE) switch for two seconds selects Drive (distortion) control. After you select the type of control you are doing, the left and right switches control the level setting. If you are in the Distortion mode (by pressing the TOP switch) and the Tone is being controlled by the left and right switches, the top (amber LED) flashes at a slow rate (one Hertz). If you are in the Distortion mode and the Drive is being controlled by the left and right switches, the top (amber LED) flashes at a fast rate (eight Hertz). *The different flash rate of the LED gives you an indication of what you are controlling.* The Tone Level or the Distortion Level will be indicated on the Unity and I-V LED's. You can also control the Tone or Drive settings while in the Bypass mode. If not in the distortion mode (top LED off) you can still control the Tone or Drive level. If you press either the LEFT or RIGHT switch you will see the UNITY and I – V LEDS come on for a few seconds. This is the level of your adjustment. After a few seconds you will see the LEDs go off and then either the UNITY LED or I LED will remain on. If the UNITY LED is on—this indicates that you are in the control Drive mode and if the I(one) LED is on, this indicates that you are in the control Tone mode. While in the bypass mode you can still control the Drive and/or Tone, just note which LED is ON, or either just hold down the Tone switch for selecting Tone or the Drive switch for selecting Drive. If you make any changes to either the Drive or Tone they will be in effect next time you select Distortion by pressing the TOP switch. When toggling the Sour Boost ON/OFF the last selected Tone and DRIVE settings are used.

HOLD TONE SWITCH TWO SECONDS THEN THE SWITCHES ARE CONTROLLING TONE.

HOLD DRIVE SWITCH TWO SECONDS THEN THE SWITCHES ARE CONTROLLING DRIVE (AMOUNT OF DISTORTION)

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 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 being drained while at different settings.

Low battery operation has no effect on the operation or tone of the Sour 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 or Distortion Mode of operation.

When using a battery, the 1/4" 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 Sour 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 Sour 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.*

SOUR BOOST/ Distortion PEDAL

Distortion.....Eleven setting of drive
Tone.....Ten settings-Bass/Treble boosts
LED's.....Seven 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 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.

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

For warranty service contact dealer
or www.lockandrock.com

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