QUICK BOOST

with Harmonic Modifier
Operating Instructions

Lock 𝄞 Rock™

Street Smart Guitar Effects

By Brannon Electronics, Inc.

March 2004

Connections

Input - Instrument connection, input to the Quick 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 - Blue Green LED - 1st boost setting
LEVEL II - Blue LED - 2nd boost setting
LEVEL III - Yellow LED - 3rd boost setting
LEVEL IV - Amber LED - 4rd boost setting
LEVEL V - Red LED - 5rd boost setting
HM - Blue Green LED- Harmonic Modifier

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).
Blue Green LED (HM) flashing indicates Harmonic Modifier
Blue Greeen LED (HM) on SOLID indicates an 8db boost.

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.
(HM LED excluded)
Note: *During Low battery, the flashing LED will be the LED of the current Boost level selection.*

Key Features

Quick Boost w/ Harmonic Modifier
5 Boost Levels
6 Levels of Harmonic Modifier
Stomp Switch Control (no POT's to adjust)*
Different Color LED's for each Boost 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 Quick Boost provides you five levels of Boost plus a UNITY setting (bypass), as well as a Harmonic Modifier circuit. setting. (Also, you can combine Boost with a Quick Boost level) 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.

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

*These are Street Smart Features

Boost Control

To change the Boost level just simply press the LEFT or RIGHT stomp switch. Each time the RIGHT switch is pressed the pedal will increase to the next Boost level. If at Boost Level V and the Right switch is pressed the Boost level will cycle to UNITY. Each time the LEFT switch is pressed the pedal will decrease down a Boost level. If at Boost Level UNITY and the Left switch is pressed the Boost Level will cycle to Level V. So, when at UNITY pressing the left switch will take you directly to maximum (LEVEL V) Boost, and then the Right switch can be used to take you back to UNITY.

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

Semi-mute mode

1. *An alternate way to enter Low Power Standby Mode is simply to hold down the Right stomp switch for 3 or more seconds and the 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.*

2. *An alternate way to enter Low Power Standby Mode with a 28db mute is simply to hold down the LEFT stomp switch for 3 or more seconds and then when the stomp switch is released the Low Power Semi-Mute Mode is entered. This is typically used when going on breaks , to stop feedback, or quieten your instrument for tuning.*

Left Switch - **Semi-mute** **Right** Switch - **UNITY** (bypass)

Harmonic Modifier Control

To use the Harmonic Modifer stomp the Top (HM) switch. The LED flashes to inidcate the Harmonic Modifier is on. To change the Boost level while the Harmonic Modifier is active just simply press the LEFT or RIGHT stomp switch. Each time the RIGHT switch is pressed the pedal will increase to the next Boost level while using the HM mode. If at Boost Level V and the Right switch is pressed the Boost level will cycle to UNITY. Each time the LEFT switch is pressed the pedal will decrease down a Boost level. If at Boost Level UNITY and the Left switch is pressed the Boost Level will cycle to Level V. So, when at UNITY pressing the left switch will take you directly to maximum (LEVEL V) Boost, and then the Right switch can be used to take you back to UNITY. Note that the Harmonic Modifier Boost Level is **independent** of the Normal Boost Level. When going between the Harmonic Modifier and Normal Boost, the Quick Boost will return to the previous Boost setting. This allows you to have a different volume level when using the Harmonic Modifier. If using the optional Boost level HM is not available, see optional operational mode.

The Harmonic Modifier adds a light fuzz with a chime tone, as well as adding some sustain.

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 Quick Boost! *Many musicians prefer to keep the pedal at boost Level I at all times, to get that Sweet Boost Tone.*

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) **Quick Boost** level setting. In this mode the TOP switch controls a Boost. The boost setting is either on or off and is approximately 8 db. This boost setting is in addition to the other boost setting that is selected. The Quick Boost becomes a Boost only pedal. When using this mode the HM LED comes on solid.

Switch 2 not used
Switch 3 not used

Note: *To quickly override a DIP switch setting of the pedal, 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 Quick 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 right 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 1 is selected in the opposite setting. Holding down the Right Switch selects 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 a different manner. Notice that if you hold down the stomp switch while powering up the pedal, the UNITY and LEVEL II or III LED's will lite until the stomp switch is released. This is to indicate that a override of the DIP switch setting 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. As soon as the Left or Right 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 (in the low power mode). Same sound as Unity setting
2. An alternate way to enter Low Power Standby Mode is simply to hold down the Right stomp switch for 3 or more seconds and the when the stomp switch is released the Low Power Mode is entered.

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 Boost 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 very 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 Quick 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. (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 require 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 Quick 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 servere shock and vibration and requires a slight force to remove and install the battery.
Note: If the Quick 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.*

QUICK BOOST PEDAL

Boost.....Five preset Boost Levels + Unity
Harmonic Modifier ..... Six Levels (Unity + five Boosted)
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 Quick Boost are subject to change without prior notice, in the* ***interest of product improvement.***

For warranty service contact dealer
or www.lockandrock.com

For additional information contact:

www.lockandrock.com
www.brannonelectronics.com

Brannon Electronics, Inc.
Houston, Texas
Telephone 281-820-8929