



*Suhr*<sup>®</sup>

**KOKO BOOST™**

**USER GUIDE**

Thank you for purchasing the Suhr **Koko Boost™**. Please take the time to read this manual to get the most out of your pedal. The more you familiarize yourself with the features of this pedal, the more you will enjoy its benefits and maximize its potential.

## **OVERVIEW:**

**Koko Boost** is a unique boost pedal that incorporates both a clean transparent boost and a selectable midrange boost. Koko will expand the range of your tube amplifier and Overdrive / Distortion pedals.

**Koko Boost** features an easy to tweak layout which includes Boost and Mid knobs, plus a Freq (Frequency) select switch. The two foot-switches allow instant access of each boost mode.

**Clean Boost mode** = Green LED

**Mid Boost mode** = Red LED

**Note:** Boost knob is active when the Mid Boost mode is engaged.

## **CONTROLS**

**Boost:** Adjusts the overall output of the boost circuit. The Boost control offers 0dB (unity gain) to +20dB of gain. Tuning this control to higher settings will efficiently push the front-end of your amplifier and create a broad range of natural overdriven tones.

**Mid:** Adjusts the output of the selected Mid frequency (via the Freq switch) that is added to the clean boosted signal.

**Freq Switch** (Three Position):

**Left** (Mids): Full and Smooth, tuned specifically to bring out your guitars natural midrange characteristics.

**Middle** (High Mids): Clear and articulate, voiced to cut through a mix for solo playing.

**Right** (Low Mids): Fat and Creamy, excellent for thickening up rhythm and lead tones.





### ***OPERATION:***

Install a 9V battery or use a suitable 9Vdc, center negative power supply. Plug your guitar into the input jack and connect your amp to the output jack. (**Note:** connecting a cable to the input jack will power up the pedal.) If using the internal battery, remember to unplug your cable from the input jack when you are done playing in order to insure a long battery life. Tap the foot switches to engage the **Koko Boost**. The LED will turn on.



**Boost:** Adjust the Boost control to the desired amount of clean boost added to your signal. 0dB (unity gain) to +20dB of gain.

**Freq:** Adjust the Freq switch to the desired mid boost frequency.

**Mid:** Adjust the Mid control to the desired amount of mid boost added to your signal.

**FX Link:** If an external cable is plugged in, the pedal will power up into the state dictated by the FX Link jack.

(**Note:** If external control is desired, the switch **MUST** be set to the center position. To have the effect engaged at power up, set the slide switch toward the Power jack. To have the effect off at power up, set the slide switch toward the FX Link jack.)

**LED:** Koko has two effect status: In **Boost** mode, the LED color is **green**. When the **Mid Boost** is selected, the LED color will be **red**.

**True Bypass:** True bypass can be defeated, allowing the pedal to be used as a buffer by switching the internal True Bypass/Buffer switch. Remove the cover and set the switch located between the 1/4" jacks.

**Note:** the nomenclature printed on the circuit board.  
True Bypass (TBP) is toward the input jack  
Buffered (BUF) mode is toward the output jack

## ***EXCLUSIVE FEATURES:***

### **True Bypass**

True Bypass via a relay is included in every Suhr pedal.

### **Switchable Buffer**

Koko Boost has a switchable buffer. This allows the user to determine whether the Koko Boost is True Bypass or acting as a high quality buffer when switched off.

### **FX Link**

The FX Link can be utilized to remotely control the pedal. Shorting between the shield and the tip will activate the pedal. Opening the connection will turn off the pedal.

### **Battery Monitor**

The internal 9V battery is monitored at both power up and during use. The user will be alerted when the battery voltage becomes low. When the battery becomes too low to reliably operate the pedal, True Bypass is activated.

### **Low Battery Monitor**

Upon powering up the pedal, the battery voltage is measured. If the voltage is at a low voltage (4.5V), the LED will flash 3 times to alert the user. Normal operation will then resume. Should the battery fail completely (<4V), the **Koko Boost** will switch to true bypass mode and the LED will begin to flash. This will ensure that the signal continues uninterrupted and undistorted. Should the LED flash become too annoying, press the foot switch to turn it off. It's time to replace the battery.



# SAMPLE SETTINGS

## Clean Boost

Boost: 3



## Mid-Boost

Boost: 5  
Freq: Right  
Mid: 5



## Mid-Boost 2

Boost: 7  
Freq: Left  
Mid: 7



## ***SPECIFICATIONS:***

Input Impedance:	1M ohm
Output Impedance:	600 ohm
Power Connector:	9Vdc, center negative, 2.1mm x 5.5mm
Operating Voltage:	4V to 18V (nominal 9V)
Maximum Voltage:	20Vdc
Reverse Battery Protection:	yes
Over Voltage Protection:	yes
Current Consumption:	8mA
Estimated Battery Life:	75 – 100 hours continuous use
Dimensions:	4.875" Width x 3.875" Depth x 1.375" Height
Weight:	One pound
FX Link Connector:	1/8" stereo
FX Link max Voltage:	3.3Vdc
Shield → Tip:	Activate Mid Boost
Shield → Ring:	Activate Boost
ROHS Compliant:	Yes
Agency Approvals:	N/A

# SUHR.COM

## **WARRANTY FOR SUHR AMPLIFIERS AND ELECTRONIC PRODUCTS:**

JST warrants for lifetime from date of purchase by the initial retail purchaser that this product shall be free from defects in workmanship. Electronic components such as capacitors, resistors, filters, transformers, jacks, and pots are covered for 5 years. Any parts determined defective by JST within the five (5) year term shall be repaired or replaced by JST without charge for parts and labor provided the unit is returned, transportation costs prepaid, to JS Technologies, Inc., 601 Crane Street, Unit A, Lake Elsinore, CA 92530, or to such facility authorized by JST. JST will pay shipping costs to return the unit to its owner. Defects in workmanship will be determined by JST for limited lifetime coverage.

This warranty does not cover damage caused by accident, misuse, abuse, neglect, unauthorized or improperly performed repairs, alterations, and/or wear and tear occasioned by use of the product, and does not include any expense for inconvenience or loss of use while the product is being repaired or replaced. JST expressly disclaims any liability for consequential damaged arising from the sale, use, or inability to use the product. Any warranty implied by law, including any warranty of merchantability or fitness, is expressly limited to the one (5) year warranty term for the parts on our amplifiers and electronic products. The foregoing statements of warranty are exclusive and in lieu of all other remedies. Workmanship lifetime warranty is limited strictly to the original retailer purchaser of the instrument registered with JST within 10 days of purchase from an authorized JST dealer or distributor. JST will pay shipping costs to return the unit to its owner within the mainland U.S.

The above warranty policy only applies to customers in USA. If you are an international customer, please check with your distributor and the dealer in your country for warranty matters. Warranty issues must be handled through your dealer or distributor. If you are an international customer who purchased (or plan to purchase) from a US dealer, we can handle warranty matters direct but you will be responsible for shipping both ways. We encourage international customers to purchase through your local distributor or dealer for this reason. Our international distributors are set up to handle warranty issues in their respective countries. If you do not have an authorized Suhr dealer in your country, please contact us direct for further details.