

Suhr®

**KOKO BOOST
RELOADED™**
USER GUIDE



Thank you for purchasing the **Suhr Koko Boost Reloaded™**. Please take the time to read through this user guide to familiarize yourself with its many features and applications.

OVERVIEW

Koko Boost Reloaded is the result of countless hours of listening, testing, and modifying our original circuit to create a pedal with a smaller footprint, while simultaneously expanding its functionality and versatility. Thanks to our proprietary Multi-Function Technology, **mf(x)**, switching between Koko's two boosts has never been easier. Additionally, we have re-voiced the 3-position frequency switch, and added +6dB more gain than our original Koko for increased harmonics and sustain.

Koko Boost Reloaded is the ideal solution for players seeking a pedalboard friendly Clean/Mid Boost pedal to expand the range of pushed and overdriven tones from their amplifier and pedal setup.

MORE CONTROL

Koko Boost Reloaded was engineered with independent Clean and Mid Boost controls resulting in the ability to fine-tune each mode.

EXCLUSIVE FEATURES

- Independent Dual Boost Modes (Clean & Mid)
- +26dB of Gain
- **mf(x)** Multi-Function Technology
- FX Link Plus (+)
- True Bypass Switching

OPERATING INSTRUCTIONS

GETTING CONNECTED

INPUT: Connect this jack to the output of your instrument or effects device.

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 finished playing in order to conserve battery life.

OUTPUT: Connect this jack to the input of an amplifier or another effect device.



OPERATING INSTRUCTIONS

POWER REQUIREMENTS

Koko Boost Reloaded can be powered via 9V battery or 9VDC, center negative power supply.

BATTERY MONITOR

Upon powering up, the battery voltage is measured. If the voltage measured is lower than 5.5V, Koko Boost Reloaded's LED will flash 3 times to alert you that it's time to replace the battery. Once the 9V battery is replaced, normal operation will resume. Should a battery fail completely (<5V), Koko Boost Reloaded will switch itself into True Bypass mode and the LED will begin to flash. This feature ensures that your signal will continue uninterrupted and undistorted until you can replace the battery with a new one.

Note: The LED flash can be defeated by pressing the footswitch to turn it off.

Koko Boost Reloaded features an easy to tweak control layout which includes: **Boost**, **Mid Boost**, **Mid Q**, rotary controls and a three position **Freq** switch.

Boost (Clean): Adjusts the overall output of the boost circuit. The Boost control offers 0dB (unity gain) to +26dB 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 Boost : Adjusts the output of the selected Mid frequency (via the Freq switch) that is added to the clean boosted signal.

Mid Q: Adjusts the amount of emphasis applied to the mid frequency selected by the freq (frequency) switch.

Freq Switch: This switch features the following three position settings:

- **Left** - Full and Smooth, tuned specifically to bring out your guitars natural midrange characteristics.
- **Middle** - Clear and articulate, voiced to cut through a mix for solo playing.
- **Right** - Fat and Creamy, excellent for thickening up rhythm and lead tones and players seeking that Cello-esque modern blues tone.



On/Off Effects Status Indicator: The LED indicator displays Koko Boost Reloaded's effect status, on/off.

TRUE BYPASS SWITCHING

Koko Boost Reloaded employs True Bypass switching (via relay) which removes the effect from the signal chain.



OPERATIONS (continued)

mf(x)[™] = MULTI-FUNCTION TECHNOLOGY

Created to enhance your overall playing experience, we developed Multi-Function Technology (**mf(x)**). **mf(x)** is a proprietary foot switch technology that enables you to seamlessly select between Koko Boost Reloaded's two distinct user modes, Green (Clean Boost) or Red (Mid Boost) during a performance by simply holding down the foot switch.

NOTE: Koko Boost Reloaded has built in memory to recall the last mode of operation.

mf(x) MODES

- **Green (Clean Boost)** - Transparent clean boost.
- **Red (Mid Boost)** - A frequency selectable Mid Boost with a Q control.

EXTERNAL/REMOTE SWITCHING

FX LINK (See Diagram)

Koko Boost Reloaded features proprietary FX Link technology which offers players the ability to externally control Koko's bypass and operating modes in real-time via an external footswitch or control function switching device.

MODES

FX Link consists of the following two modes:

Green (default) - Use this mode if you have an external switching system to remotely control your effects.

TIP - On/Off (Normal) Latching

RING - On/Off (MID) Latching

Orange - Use this mode to remotely toggle between Koko's two mf(x) modes via a single momentary footswitch. The use of this mode does not impact the functionality of the built in footswitch.

TIP - Normal/Fat Toggle Unlatching

FX LINK SWITCH ILLUSTRATION

Right: Koko Boost Reloaded will power up in the **ON** state.

Center: Koko can be switched remotely via the FX Link jack. In this position Kokos' state will be dictated by the status of foot switch connected to the jack. If the FX Link jack is not utilized, Koko will power up in the **Bypass** state.

Left: Koko will power up in the **Bypass** state.

CHANGING FX LINK MODE / POWER UP PROCEDURE

Koko Boost Reloaded is shipped by default in Green mode. To change FX LINK modes, press and hold the footswitch while powering up Koko Boost. The LED will illuminate (orange/green) temporarily to indicate the FX LINK mode. To return Koko Boost to the previous FX LINK mode please repeat the previous power up procedure.

NOTE: If using a battery to power Koko Boost Reloaded, you will need to unplug the cable from the input jack. While holding down the footswitch, plug in the cable to change the FX LINK mode.

SAMPLE SETTINGS

CLEAN BOOST (PUSHED)



At this setting Koko Boost Reloaded offers a just the right amount of clean boost to push the front of a clean amplifier into a mild crunch.

CLEAN BOOST (HEAVY)



At this setting Koko Boost Reloaded transforms a slightly overdriven amplifier into a hi-gain, hard rock machine.

MID BOOST (CREAMY)



Use this setting in combination with your amplifier to create a dynamic range of warm, fat violin-like overdriven tones full of creamy thick mids.

MID BOOST (EDGY)



Dial in this setting for an edgy mid boost that's sweet, full of harmonics and makes your solos sing.

SPECIFICATIONS*

Input Impedance:	1M
Output Impedance:	600 ohms
Power Connector:	center negative, 2.1mm x 5,5mm
Operating Voltage:	4.5 -- 18Vdc, nominal 9Vdc
Maximum Voltage:	18Vdc
Reverse Battery Protection:	Yes
Over Voltage Protection:	Yes
Current Consumption:	~15mA
Estimated Battery Life:	50-75 hours
Fx Link Connector:	1/8" (TRS) stereo jack
Dimensions:	2.50" Width x 4.50" Depth x 1.25" Height
Weight:	0.75 pound
ROHS Compliant:	Yes

**All specifications subject to change without prior notice.*

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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 & B, 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 damages 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 retail purchase 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 setup 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.