

Suhr[®]

Iso Boost[™]

USER MANUAL



Thank you for purchasing the **Suhr Iso Boost™** pedal. 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

Iso Boost incorporates a clean transparent boost, as well as a transformer isolated buffered signal to drive long effects chains. The Iso Boost is the ultimate boost pedal and line driver that expands the range of your tube amplifier

Iso Boost features an easy to tweak layout which include a **Boost** control and a two position **Iso (Isolation)** switch.

CONTROLS

Boost: Adjusts the amount of boost from the circuit, from Unity (0dB) to +20dB of gain.

Iso (Isolation) Switch (two position): Activates a transformer to isolate the output and eliminate ground loops between amplifiers and effects.

Left: Isolated transformer, buffered output

Right: Non-isolated, buffered output

Note: *Iso Boost is always buffered.*



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. To activate, tap the foot switch and Iso's LED will illuminate green indicating that it is in the signal path.





Boost: Adjusts the amount of boost from the circuit, from Unity (0dB) to +20dB of gain.

Iso: Activates a transformer to isolate the output and eliminate ground loops between amplifiers and effects.

True Bypass: Iso is true bypass via a relay.

LED: LED illuminates Green when effect is activated.



FX Link Switch Position

EXCLUSIVE FEATURES:

True Bypass:

Iso Boost is true bypass via a relay. This function allows for the remote switching, and the battery monitor feature. The relay produces less popping when switching the pedal on and 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. The shield to ring connection is used to sense an external tap switch.

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

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

Left: Iso Boost will power up in the **OFF** state.

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 Iso Boost will switch to true bypass mode and the LED will begin to flash (it's time to replace the battery) . This will ensure that the signal continues uninterrupted and undistorted. The LED flash can be defeated by pressing the foot switch to turn it off.

SAMPLE SETTINGS

Mild Boost

Drive: 3



Medium Boost

Drive: 5



Heavy Boost

Drive: 9



SPECIFICATIONS:

Input Impedance:	1M ohm
Output Impedance:	600 ohm / 10k 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 of continuous use
Dimensions:	2.50" Width x 4.50" Depth x 1.25" Height
Weight:	one pound
FxLink Connector:	1/8"
FxLink max Voltage:	3.3Vdc
Shield → Tip:	Activate on/off
ROHS Compliant:	Yes
Agency Approvals:	N/A

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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, 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.

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