

Suhr®

RIOT DISTORTION™

USER GUIDE



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

OVERVIEW:

Riot is a versatile high-gain distortion pedal with the sonic characteristics and touch sensitivity of a high quality 100 watt tube amplifier. **Riot** will transform a super clean amp into an authoritative rock tone that inspires all of your favorite riffs.

Controls

Riot features an easy to tweak layout which includes Dist, Level, Tone and a three position Voicing switch.

Distortion: Adjusts the amount of gain added to your tone, taking you from classic crunch to high gain heaven.

Level: Adjusts the output of the pedal. Riot provides enough level to push the front end of any tube amp into natural overdrive.

Tone: Shapes the overall tonal response of the pedal - from smooth and warm to cutting lead tones.

Voice Switch (three position)

Left: Produces a natural, organic tone that responds dynamically to your guitars volume control.

Middle: Puts you into high gain territory with a solid midrange, with a tight bottom end.

Right: Produces a vintage high gain response, with excellent definition.



OPERATION:

Install a 9V battery in the unit (see below) or plug in 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 automatically 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 footswitch to engage the **Riot**. The LED will turn on.





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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.)

True Bypass: Riot 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.

LED: LED illuminates Blue when effect is activated.



EXCLUSIVE FEATURES:

True Bypass

Riot 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.

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 **Riot** 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

Classic Crunch

Drive: 2
Voicing: Left
Level: 5
Tone: 7



Modern Rock Rhythm:

Drive: 5
Voicing: Middle
Level: 5
Tone: 7



Vintage High Gain

Drive: 8.5
Voicing: Right
Level: 5
Tone: 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:	2.50" Width x 4.50" Depth x 1.25" Height
Weight:	0.75 pound
FX Link Connector:	1/8" jack
FX Link 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.

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.