BUFFER

USER GUIDE



*Thank you for purchasing the **Suhr Buffer ™**. Please take the time to read this user guide to get the most out of your buffer and it's applications.*

Today's players demand quality, reliability and great tone. To ensure that your investment in tone is preserved throughout your signal chain, the Suhr Buffer utilizes only the highest quality components such as: low noise audiophile Op-Amps, Glass Epoxy PCB, and an machined 6061 billet aluminum enclosure. When it comes to quality and reliability, we designed the Suhr Buffer with the same attention to detail as all of our award winning products including the Badger, Hand Wired and OD series amplifiers.

OVERVIEW

The Suhr Buffer is a transparent signal buffer/line driver which is an essential tool designed to preserve your instrument's tone. Tone loss occurs as a result of signal degradation, commonly caused by long cable run, or the use of multiple instrument cables - such as you would find on a pedal board. To solve this, the Suhr Buffer employs unity buffering to reverse the effects of capacitance without affecting your instruments tone or output level.

PLACEMENT

We recommend placing the Buffer as the first device in your signal chain. If you are using a vintage fuzz pedal such as a Fuzz Face® or Tone Bender® we recommend placing the Buffer after those devices to retain their character and relationship with your instrument's electronics.



FEATURES

The Suhr Buffer offers a variety of features for every playing situation. The Buffer is built using the highest quality components and equipped with two independent outputs, all in a compact, solid, aluminum enclosure. One output (ISO) is isolated and utilizes a transformer to eliminate noise from ground looping and features a 180º Phase Reversal switch to keep your signal in phase when splitting between two amplifiers.



OPERATION

DC INLET: Use a compatible 9-18Vdc with a center negative power supply.
INPUT: Instrument Input, use this jack to connect to your instrument.
OUTPUT: Primary output, use this jack to connect to an amplifier or effect device.
ISO OUTPUT (transformer isolated): Secondary output, use this to split your instrument's signal to an additional amplifier or sound source.
PHASE SWITCH (ø): The Phase Switch reverses the polarity of the Buffer's ISO Output by 180º. Activate this switch to keep both output sources in phase.

OUT- Normal (non-reversed)
IN- Signals phase reversed by 180º



SPECIFICATIONS:

Input Impedance: 1M Ω
Output Impedance: 150 Ω
Power Connector: 9v
Operating Voltage: 4.5Vdc - 18v
Maximum Voltage: 20Vdc
Over Voltage Protection: Yes
Current Consumption: <5ma
Dimensions: L- 2.87” x W- 2.53” x D- 1.23”
Weight: .379 lbs.
ROHS Compliant: Yes

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.

Rev:120712

SUHR.COM