SL-68 MkII™ HAND WIRED

USER GUIDE



IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions

2. Keep these instructions

3. Heed all warnings

4. Follow all instructions

5. Do not use this apparatus near water

6. Clean only with dry cloth

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat

9. Protect the power cord from being walked on or pinched, particularly at plugs and the point where they exit from the apparatus

10. Unplug this apparatus during lightning storms or when unused for long periods of time

11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as: power-supply cord or plug is damaged, liquid has been spilled on, objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

12. **CAUTION:** To disconnect the unit completely from the MAINS, unplug the unit. Turning the power switch off does not disconnect the unit completely from the MAINS.





Thank you for purchasing the **Suhr SL-68 MkII Hand Wired** amplifier.

OVERVIEW

The Suhr SL-68 MkII is a no-compromise 100 watt recreation of a complete range of classic British tones. Each SL68 MkII amp features hand wired construction, four EL-34's (which deliver 100 watts), four inputs, two channels, a Low Power switch, Master Volume control, and delivers a wide range of classic and modern tones.

From warm and sparkling cleans, to high-gain *Variac™style overdrive tones, the SL68 MkII is the foundation of great rock tones! The SL-68 MkII responds dynamically to every nuance of your playing style and instrument with just a turn of your guitar's volume control.

FRONT PANEL

POWERING INSTRUCTIONS

With the Power, HI/LOW Select Switch in the Off position and the Standby Switch in the Standby position, flip the power switch to the desired power (HI/LOW) position. Wait sixty seconds and then flip the Standby Switch to the on position.

To power down, simply flip the Standby Switch to the On position and then flip Power, HI/LOW Select Switch to the Off position.

POWER SELECTOR SWITCH (3-position)

OFF: Power is switched OFF

HI: ON, normal operation

LOW: In the late 70's an L.A. based Hard-Rock guitarist burst on the scene with a highly saturated tone that he achieved by pairing a vintage British head, with a Variac voltage controller that he used to drop the power to create the "brown sound". This setting delivers that tone by dropping the voltage (approximately 25%) which changes the SL-68 MkII's feel from tight and aggressive, to spongy and saturated, while delivering incredible sustain.

NOTE: *Dimming of the power indicator light in LOW mode is normal.*

STANDBY SWITCH

ON: Amplifier is in Standby

STANDBY: Amplifier is active

PRESENCE

Adjusts the amount of high frequencies. Turning it clockwise will add more cut and sparkle.

BASS

Adjusts the amount of low end. Turning it clockwise increases the amount of low frequencies, giving you a fuller tone. Turning it counter clockwise will reduce the effect and tighten up the bottom-end, useful when performing at louder volumes.

MIDDLE

Adjusts the midrange. Turning it clockwise increases the amount of mids, giving your tone a fatter response. Turning it counter clockwise will produce a mid-scooped sound.

TREBLE

Adjusts the top end. Turning it clockwise increases the amount of treble, giving your tone clarity and brightness. Turning it counter clockwise will produce a warmer sound, excellent for dialing in smooth fluid-like lead tones.

VOLUME I

Adjusts the overall output level of Channel I.

VOLUME II

Adjusts the overall output level of Channel II.



A WORD ABOUT THE SL-68 MkII's DYNAMICS AND YOUR GUITAR'S VOLUME CONTROL

The SL-68 MkII responds dynamically to every nuance of your playing style. When you pluck a string, your guitar's pickups convert that energy to a voltage that is sent through the input circuitry. With your guitar's volume control at maximum (using humbuckers) that voltage is approximately one volt. Turning your instrument's volume control down, or picking softer, decreases the voltage which changes the characteristics and amount of distortion. Due to the SL-68 MkII's input circuitry design you can achieve a wide spectrum of overdriven tones by simply adjusting your guitar's volume control.



OPERATING INSTRUCTIONS (continued)

FAT-CAP SWITCH: (2-position)
Left position: Removes fat-cap from circuit. This allows you to get closer to a 'true', stock vintage amp.
Right position: Fat-cap in circuit. One of the only tweaks found on a very famous amp John worked on in the 80's, the Fat-cap adds low-end punch and bass that's perfect when using the 'Treble' channel. In the original SL series, the fat- cap was always in the circuit.

MID-BOOST SWITCH: (2-position)
Left position: Mid-boost disengaged.
Right position: Mid-boost engaged, adding a touch more gain to the phase inverter and subtly elevating the tone-stack, delivering an added kick to the midrange. It's your go-to when dimeing the controls (all controls on 10).

BRIGHT-CAP SWITCH: (3-position)
Left position: Bright cap is removed from circuit. This position is the stock position found in the Original Suhr SL series.
Middle position: Medium bright
Right position: Full bright: Adds brilliance, presence and sparkle to your tone, making your guitar. 'Full' bright is the stock value found in vintage amps.

NOTE: *When 'Volume I' is all the way up (on 10) you will not hear a difference between Bright-Cap settings. Lower 'Volume I' and changed between the 3 Bright Cap settings to find the perfect setting. For example, when using single-coil pickups, try removing the Bright-Cap. When using a humbucker, try the 'Medium' and 'Full' Bright-Cap settings.*





OPERATING INSTRUCTIONS (continued)

INPUTS

CHANNEL I INPUT (top)
Has high sensitivity (which offers more gain) and a brighter tonal response.
NOTE: *This input is most commonly used.*

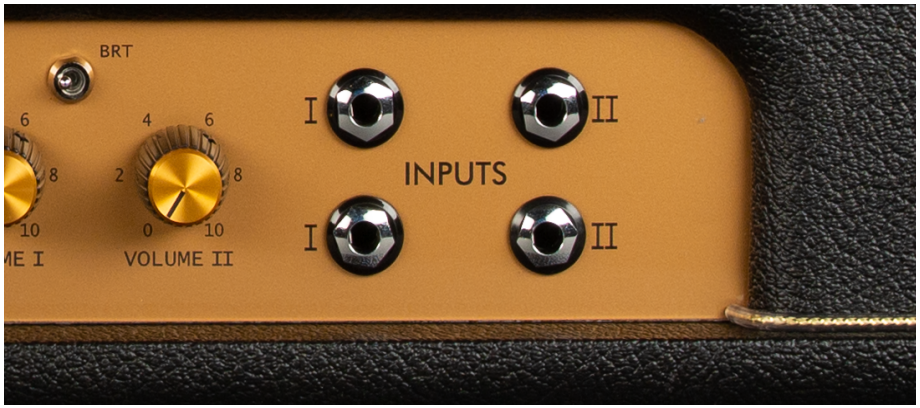
CHANNEL I INPUT (bottom)
Has low sensitivity and offers a slightly warmer tone.

CHANNEL II INPUT (top)
Has high sensitivity and offers a normal/bassier tonal response.

CHANNEL II INPUT (bottom)
Has low sensitivity and a normal/bassier tonal response.

BRIDGING OR JUMPING THE CHANNELS

Bridging or Jumping the channels will unlock a palette of sounds and expand the SL-68 MkII's possibilities. Begin by plugging your guitar into the top (high sensitivity) input of Channel I, then run a short instrument patch cable from Channel I's bottom (low sensitivity) input to the top (high sensitivity) input of Channel II, then blend Volume I and Volume II controls to dial in a wealth of new and unique tones.
NOTE: *When only using Input I, turning up Input II's Volume control will increase gain slightly.*





MASTER VOLUME

Adjusts the SL-68 MkII's overall output level and offers the flexibility to dial up rich, classic overdrive at any volume.

NOTE: *Turning the* SL-68 MkII*'s Master Volume to 10 will remove it from the circuit.*

TUBES

The SL-68 MkII's tube complement consists of four EL-34 power tubes and three 12AX7 preamp tubes.

SPEAKER OUTPUTS

Two loudspeaker outputs wired in parallel with 3-way impedance selector switch for 4Ω, 8Ω & 16Ω.

IMPORTANT: *To avoid serious damage to your amplifier, never operate it without a speaker or suitable load.*

SPECIFICATIONS*

Output: 100 Watts RMS
Tubes: 4-EL34 & 3-12AX7
Mains Fuse
3 Amp Slo-Blo
H.T. Fuse
F 1.0A/250V (Fast-Blo)
Front Panel: OFF/HI/LOW Power Select Switch, Presence, Bass, Middle, Treble, Volume I, Volume II controls, Fat-Cap Switch, Mid-Boost Switch, Bright-Cap Switch, and four Inputs
Rear Panel: Master Volume, two Speaker outputs, Impedance Selector (4Ω, 8Ω, & 16Ω), HT Fuse, Mains AC Inlet and Mains Fuse

Dimensions: 29-1/8" (W) X 11-5/8" (H) X 8-1/4" (D)
Weight: 47 lbs.
**All specifications subject to change without prior notice.*

SUHR.COM

Warranty

For warranty information on the Suhr SL68MkII as well as all other Suhr products, please visit, **www.Suhr.com/Warranty**