USER MANUAL V1.1

SILVERR 47®

ALL TUBE STEREO MICROPHONE PREAMPLIFIER

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Thank you for choosing the LANG Electronics Inc. SILVERR 47® all tube dual microphone preamplifier, our take on the unique preamp that served as the foundation for the fresh and furious British Invasion sound that conquered the world in the 60s.

The LANG Electronics Inc. SILVERR 47® cleverly recreates the original design to serve as a stand-alone dual-channel mic preamp that nails the sound palette of one of the most revered preamps of all time.

A rather simple, yet flavourful design that has been adapted to perfection for the needs of modern studios more than 60 years after its creation. But this legendary design is not just a myth from the 60s, as its simple yet flexible functionalities have proven to be the secret sauce for many experienced contemporary producers and in almost any musical genre you can imagine (from pop to rock, alternative music, metal, hip hop, and even electronic music) due to its unique warmth and punch when tracking any instrument.

The SILVERR 47® is one of the units that fall under the "SOUND THAT DEFINED AN ERA" line that seeks to revive historical units that fit into today's studios and were either unavailable or too overpriced.

Check the LANG Electronics Inc. P.LANE TYPE 436 all tube Vari-Mu compressor for yet another amazing unit.

Peter Rodríguez
CEO

LANG Electronics Inc. - Madrid, Spain.

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1 LANG Electronics Inc. SILVERR 47® all tube dual microphone preamplifier.
1 AC power cord (Europe)
1 AC power cord (US)

The SILVERR 47® is based on one of the most desired tube preamps made famous during the explosive and prolific British recording era of the late 60s. Used on the majority of the tracking and mixing sessions for one of the most popular bands in music history, this sound has been embedded into our hearts and memories. (and instantly produces a nostalgic feel)

A clean, almost hi-fi sound is easily obtainable when required, but what we've really become fond of is how this preamp distorts. Built with high-quality components, specially designed transformers on the INPUT & OUTPUT and most importantly, a pair of carefully and critically selected tubes per channel. Pushing the signal a bit can take you to a paradise of rich, saturated tones and harmonic distortions, creating larger-than-life recordings.

And as a unique HERITAGE AUDIO design feature we have added a NO FEEDBACK (NFB) gain position, which drastically boosts harmonic distortion to previously unavailable levels, turning the SILVERR® 47 into a one of a kind shaping tool.

Once again, HERITAGE AUDIO and LANG Electronics Inc. have been able to recreate a classic that was extensively used during one of the most innovative times in recording history.

SILVERR 47®

ALL TUBE STEREO MICROPHONE PREAMPLIFIER

1 **VOLTAGE GAIN:** gives you access to a range of 22-52 dBs and the unique NFB setting.

2 **DI instrument input:** 1/4" (6.25 mm) TS jack.

3 **OUTPUT ATTENUATOR:** from no attenuation to fully muted. .

4 **PAD:** activates 20dB reduction ahead of the input transformer.

5 **48V:** activates +48V of phantom power.

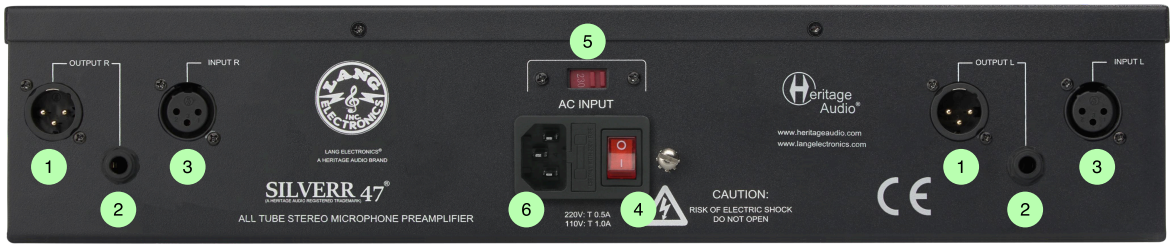
6 **HPF:** activates the unit's high pass filter.

7 **PHASE:** flips phase 180°.

8 **POWER INDICATOR:** when on, the unit is active.

SILVERR 47®

ALL TUBE STEREO MICROPHONE PREAMPLIFIER



1 **OUTPUT XLR (L & R):** male gold plated XLR connector.

2 **OUTPUT TRS (L & R):** 1/4" (6.25 mm) TRS jack.

3 **INPUT XLR (L & R):** female gold plated XLR connector.

4 **POWER SWITCH:** turns the unit on or off.

5 **VOLTAGE SELECTOR:** select the correct voltage input according to the country you are in.

6 **POWER INPUT:** : IEC standard power input connector.

The **VOLTAGE GAIN** knob gives you access to a range of 22-52 dBs of punchy tube gain with 6 switchable settings in 6dB steps. The last setting **NFB**, No Feedback, will not only provide the highest gain available, but also has the advantage of increasing the harmonic distortion to more pronounced levels, which can be great for creative uses.

Right below that is the **JFET DI instrument input**, conveniently on the front panel and will take priority over the backside MIC input when a cable is plugged in.

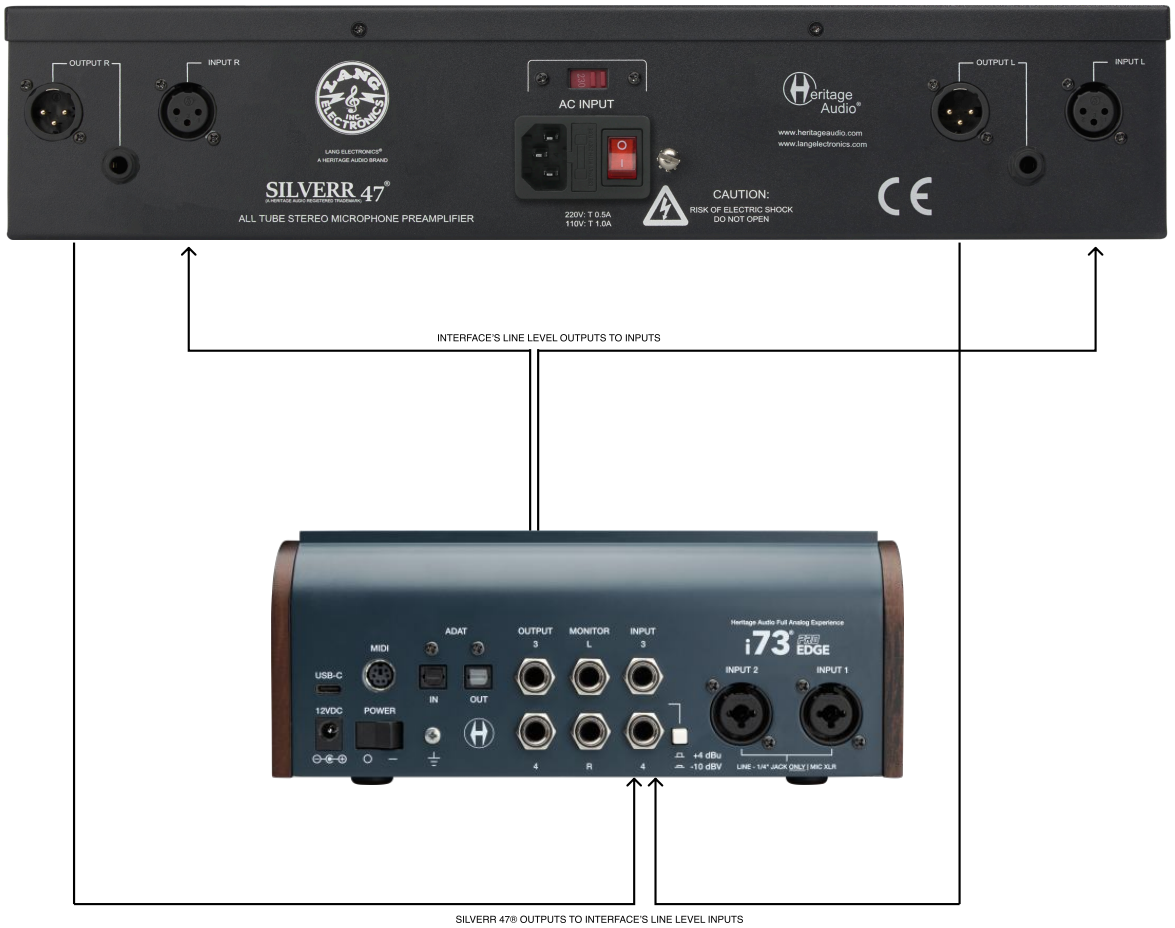
The **OUTPUT** is an attenuator spanning from no attenuation to fully muted. This is great when you are really laying the gain on heavy but the next piece of gear, be it your sound card or another processor, can't take that level. You can simply reduce it by the amount necessary to avoid clipping.
Right below that are the 4 buttons used to select the **PAD** (-20dB), **48V** (phantom power), **HPF** (@80Hz) and **PHASE** (polarity flip of 180°).

RECORDING VOCALS

When using a condenser microphone, make sure that the +48V button is pushed for phantom power.

RECORDING GUITARS

USING THE SILVERR 47® AS AN INSERT



- Every channel employs a carefully sourced pair of tubes: a NOS 6AU6 pentode for the input stage and a JJ E88CC for the output.
- Custom made input and output LANG Electronics Inc. transformers designed by HERITAGE AUDIO.
- Microphone input impedance: 1500 Ω Input is transformer balanced and floating.
- DI input impedance: Greater than 2 MΩ, unbalanced.
- Output impedance: Less than 200 Ω, transformer balanced and floating, to drive a load of 600 Ω (factory unterminated).
- Maximum output: Greater than +24 dBu into 600 Ω.
- THD: Less than 0.2 % at 20dBu, Around 1% in NFB mode.
- Frequency response: 20 Hz to 20 kHz + - 0.5dB.
- Maximum Input gain: 52dB, down to 22dB in 6-dB steps.
- Output: soft stepped control from MAX to -infinity.
- 20dB MIC PAD for hot or close mics.
- 80Hz high pass filter affects all 3 inputs.
- Noise: Less than -115 dBu EIN unweighted, less than -120 dBu EIN A-weighted.

TROUBLE SHOOTING

PROBLEMS	SOLUTIONS
I'm getting an interrupted response and quite noisy.	You need to let the unit warm up for 15-20 minutes before using as it is a tube based preamp.
Why isn't my microphone sounding?	Do you have an instrument plugged into the front DI input?
Not sure why my microphone is still not sounding?	Is it a condenser microphone? If so you'll have to apply the 48V button as it requires phantom power to operate.
Even at the lowest GAIN setting I'm still getting way to much input level.	Apply the PAD in this case to reduce the input by -20dBs.
I'm picking up too much rumble and low end noise.	Use the HPF (High Pass Filter) button to reduce this.
I'm getting a good level and sound with my INPUT settings, but it's too much signal on the input of my sound card.	You can back off the OUTPUT a bit to compensate if necessary.
I'm getting pops and cracking sound from one of the preamp channels.	Please contact your dealer or Heritage Audio directly as it may need tube replacing or servicing.
I'm in a different country now with different voltage. How can I still use my SILVER 47®?	You'll need to adjust the voltage selector, to that country's voltage and insert the appropriate fuse.

LIMITED 2 YEAR WARRANTY

The LANG Electronics Inc. SILVERR 47® is warranted by LANG Electronics Inc. to be free from defects in materials and workmanship for the period of 2 years to the original purchaser. In the event of such defects, the product will be repaired without charge or, at our option, replaced with a new one if delivered to LANG Electronics Inc. prepaid, together with a copy of the sales slip or other proof of purchase date. The warranty excludes problems due to normal wear, abuse, shipping damage or failure to use the product in accordance with the specifications. LANG Electronics Inc. shall not be liable for damages based upon inconvenience, loss of use of the product, loss of time, interrupted operation or commercial loss or any other damages, whether incidental, consequential or otherwise.

This warranty is not transferable.

We encourage you to register your new LANG Electronics Inc. SILVERR 47® in our web in order to better manage any warranty related issues at: https://heritageaudio.com/registration/

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VOLTAGE GAIN: _____ OUTPUT: _____ VOLTAGE GAIN: _____ OUTPUT: _____

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Session / Title:_____ Track:_____Connected Equipment:_____
Date:_____ Instrument: _____ Notes:_____

VOLTAGE GAIN: _____ OUTPUT: _____ VOLTAGE GAIN: _____ OUTPUT: _____

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Session / Title:_____ Track:_____Connected Equipment:_____
Date:_____ Instrument: _____ Notes:_____

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