LITTLE LOCO

Mk2

SUTHERLAND

*You are about to celebrate your new **little LOCO Mk2** purchase. The direct experience of the **little LOCO Mk2** in your system will transcend any discussions we could have. I wish I could be there with you for a 'high five' moment.*

— RON SUTHERLAND

It is *“good to go”* with no special concerns on turntable signal wiring.

The **original little LOCO** had an essentially balanced input signal requirement. The signal came in on both the RCA center pin and the RCA shell. There was a strict requirement that the RCA shell float above ground.

The **newly designed Mk2** transimpedance input stage is now single ended. The signal comes in on the RCA center pin. The RCA shell is at ground level.

— System Considerations —

The l**ittle LOCO Mk2** presents a virtual short as the cartridge load. Instead of voltage being the input parameter, it is the current generated by the cartridge that conveys musical content. The endless worry about finding the ‘best’ load value is obviated.

The cartridge must be the moving coil type. Those with low output will be embraced. *Not compatible with moving magnet or moving iron or step-up-transformers.*

Thanks to the new **little LOCO Mk2** circuit, the shell of the RCA input jack is now at ground. There are no special TT cable requirements.

— LINKING INTO YOUR SYSTEM —

Place the **little LOCO Mk2** near the turntable. The turntable signal is applied to the two centrally located RCA jacks on the back panel. Often there is a ground wire coming from the turntable. Connect it to the grounding screw in the center of the back panel. The output of the **little LOCO Mk2** goes to a line-level input on your preamp or integrated amplifier.

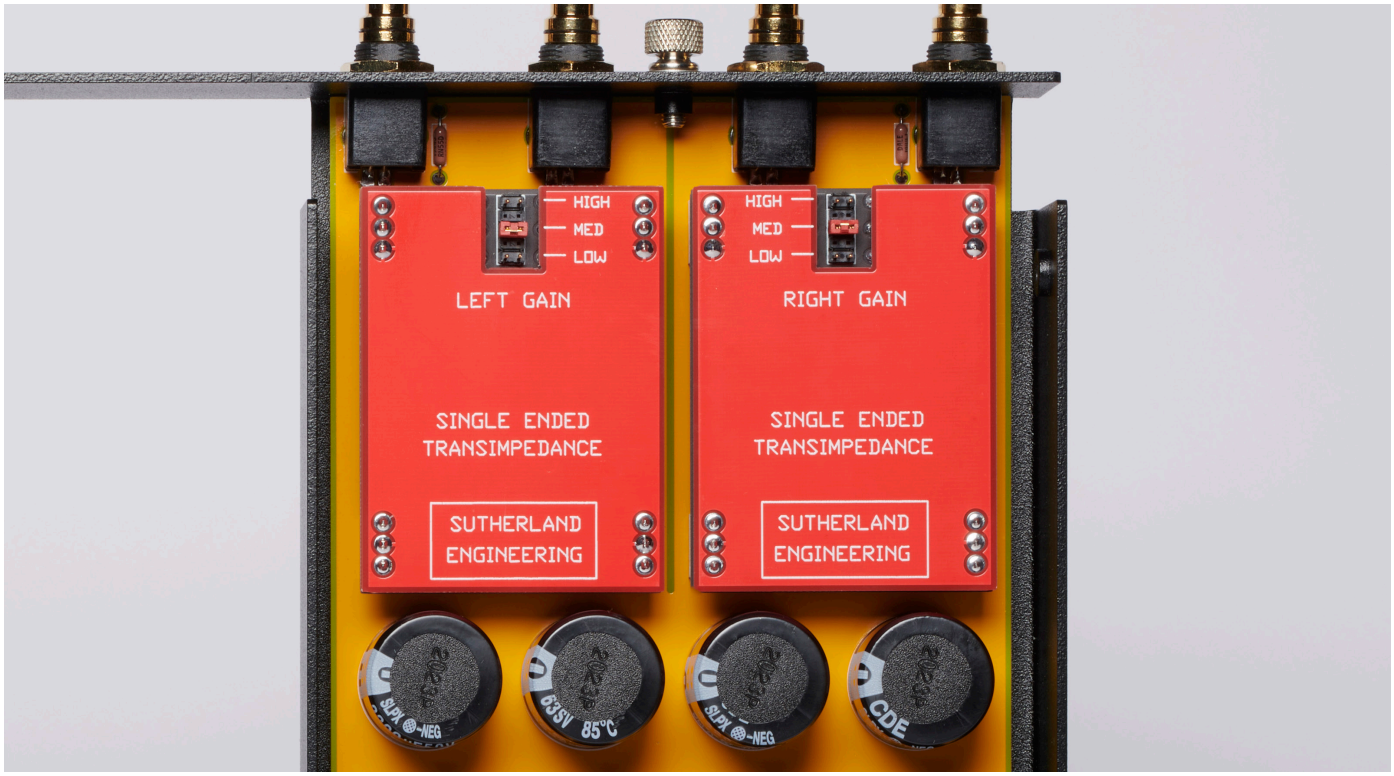
Load Settings

There are no loading adjustments in the l**ittle LOCO Mk2**. Your cartridge will see a load of zero Ohms. The input signal will be the current your cartridge produces into that virtual short. No need to worry about or fuss around with loading choices.

Gain Settings

Your **little LOCO Mk2** is factory-set to medium gain. That should work very well in most situations. The usual concerns about cartridge output voltage do not apply here. Cartridges of varied output voltage specs tend to supply about the same level of drive current into a short. i.e. higher output voltages usually have an associated higher internal resistance. Lower output voltages usually have an associated lower internal resistance.

If your particular situation would benefit from a gain adjustment, you can change it. Inside, on the red circuit board, you will see movable shunts for gain setting. From the factory, they are set to MED GAIN. You can boost the output voltage by 6dB when the shunts are moved to HIGH GAIN. You can reduce the output voltage by 6dB when the shunts are moved to LOW GAIN.



Size

17” wide
13” deep
2” high

Shipping Box

22” wide
17” deep
9” high

Contact Info

Sutherland Engineering, Inc.
455 East 79th Terrace,
Kansas City, MO 64131
Phone: +1 (816) 718-7898
Email: ron@sutherlandengineering.com
Website: www.sutherlandengineering.com

Weight

Unit Weight: 15lbs
Shipping Weight: 18lbs

Operating Voltage Requirements

105 — 125 VAC, 10 watts
210 — 250 VAC units are available on special order
Note: operating voltage is NOT universal and cannot be field modified.

Warranty

5 years parts and labor. Transferable. Only valid for units that have not been modified or abused.