



# Lounge Audio

[www.loungeaudio.com](http://www.loungeaudio.com)



A Moving Magnet Phonograph Preamp

## **INSTRUCTION MANUAL**

**Thank you** for purchasing the Lounge Audio LCR Gold. This installation guide is designed to help the user connect and understand how to use Lounge Audio's pre amplifier. We reserve the right to make improvements or modifications as parts' manufacturers allow us or force us. For these reasons, the design and specifications are subject to change without prior notice while keeping very high quality standards for all products we manufacture.

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# Introduction

The LCR Gold is a high accuracy detailed phonopreamp. When listening via headphones, it gives the feeling of drilling into your vinyl. The basics of the circuit design are the same as our flagship product LCRMKIII, but it has volume control and a headphone jack bringing you closer to your vinyl. How close? Just one well fed dual op-amp away!.

Our LCRGold solid state preamp brings you intense transient detail giving you clear separation of instruments, depth and soundstaging with frequency extension in the highs and lows. This is accomplished in part by point to point silver buss wire soldering techniques for power supply connection of the regulator/op-amp interface thereby increasing the transient response. The power supply is running faster and more effortlessly via a larger format transistor, rectifier and snubber resistors thereby giving the op amp high speed current on demand.

A combination of mica and film capacitors strategically placed, also using point to point techniques, allow a close knit reservoir of immediate current to be available to the semiconductors. The audio portion is upgraded with targeted resistors being reassigned to bulk foil units. Careful attention has been paid to bring out the finer harmonic detail and finesse in our LCR topology.

Critical components in the audio section are hand matched. All assembly is done in the USA.

## Box content and warranty

The box contains:

1. LCR Gold
2. Wall wart (power adaptor)

We offer a 1 year warranty for the Lounge Audio LCR Gold on parts and labor. We offer returns on non-defective units within 15 days of delivery. If in original condition, with all accessories intact and original receipt we will refund full purchase price minus 10% re-stocking fee. On non-defective returns, we do not refund shipping costs. Units damaged from use or mishandling will be pro-rated.

## Front Panel

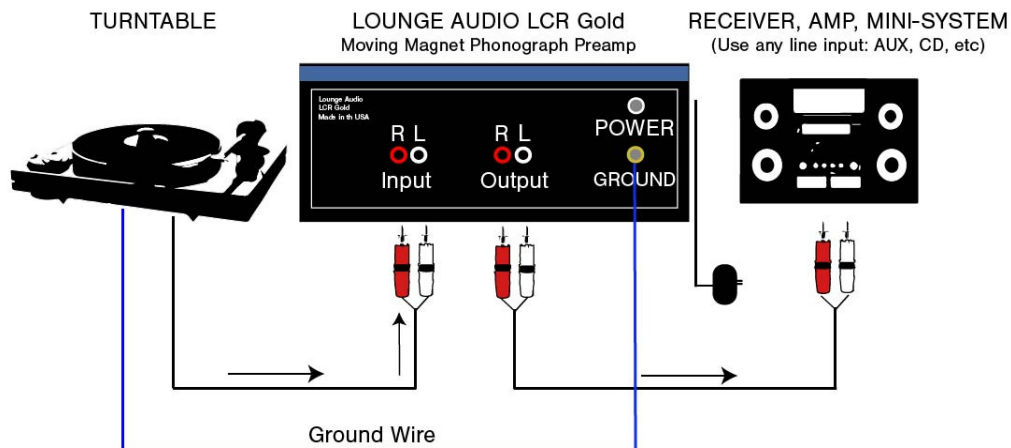
The **Volume Control** is a simple passive output attenuator that controls both the RCA outputs and the headphone jack simultaneously in a very sonically transparent manner. This allows on the fly insertion of headphones into the LCR Gold to dynamically check finer aspects of vinyl playback quality. When you plug in headphones while listening through your stereo the volume will be automatically reduced through your speakers. When you want to listen to your headphones only, you must shut off the power or turn down the volume control located on your stereo amp.

**Headphone input:** The headphones should be in the range of 32 to 100 ohm impedance types. Higher impedance headphones will work but LCR Gold does not have the voltage drive capability work optimally. So far, Grado SR80's and AKG K701's have been great performers with LCR Gold.

## Rear Panel Connections

Instructions below assume you have a turntable system set up already functioning and are adding the LCR Gold to it.

The LCR Gold will be inserted between your turntable and your receiver. Disconnect your turntable phono cables and ground wire from your receiver. Connect them to the LCR Gold input jacks and ground terminal. Then connect the LCR Gold outputs to the receiver inputs.



## Technical Specifications

RIAA Equalization type: Passive LCR network

Headphone jack: 1/4 inch

Volume control

Gain: 47dB

Input impedance: 50k Ohm

Output impedance: 20 Ohm @ max. vol. output

Input capacitance: 120pf

Full scale output level: 7.4Vrms

Signal-to-noise ratio: -74db with 1/f noise dominating (ref. to 0.774Vrms output)

Distortion: 0.15% THD @ 0.774Vrms 1kHz output. Composed mostly of 2nd and 4th harmonics.

AC Adapter: 120VAC 60Hz, 18VAC, 500ma Wall Cube type.

Amplification Type: Class A biased Op-amp

I/O's: RCA jack

Dimensions: Height 3", Width 7 1/2", Length 5 9/16" Weight: 2 3/4lb

Hi-speed, video bandwidth op-amps for accurate transient response

Class A biasing on all op-amp stages

Separate discrete voltage regulators for each channel to reduce L-R channel interaction

Shunt regulation on DC power lines

Separate ground paths for audio and power supply circuits

Hand matched capacitors and inductors for left /right channel accuracy

High quality low noise metal film/foil resistors used in critical audio path positions

Film capacitors used in audio path

Polypropylene Foil and Multi-layer ceramic capacitors used for cartridge loading

Bulk Foil resistor used for cartridge loading

Point to point silver wire power supply feeds

Handcrafted in the USA

## Troubleshooting

There is no power switch. We suggest connecting it to a switchable power strip with all other devices, and switch the power strip on/off. You can leave LCR Gold powered on 24/7 if you like with no adverse effect.

Hum can occur due to a variety of reasons, most commonly:

- a) Quality of cables
- b) Grounding: check to see that the turntable is grounded to the LCR Gold as shown on the Rear connections diagram.
- c) Positioning of the unit: power amps or integrated amps should be far enough away from the turntable tonearm or the LCR Gold.

We are committed to deliver excellent service. If you have any questions, please email us at [loungeaudio@ca.rr.com](mailto:loungeaudio@ca.rr.com)