

# MOON LP3 Phono Preamplifier

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## Operating the LP3

We recommend that you leave your **MOON LP3 Phono Preamplifier** powered up at all times to maintain optimal performance. In the event that you plan to be away from your home for a few days, powering off the Phono Preamplifier may not be a bad idea. Once fully “broken-in”, please keep in mind that your **LP3** will require several hours of playing time before it reaches its peak performance after you’ve powered it up again. ***IMPORTANT:*** *A turntable with a functional cartridge MUST be connected to the MOON LP3 prior to connecting the AC power cord, otherwise you may damage your amplifier and/or loudspeakers.*

### **Making the AC Connection**

For the best sonic performance, it is preferable that you plug your **MOON LP3 power supply** directly into a dedicated AC outlet and avoid using an extension cord. Then connect the terminated end of the power supply cord to the input labeled 12VDC, located on the rear panel of the phono preamplifier’s chassis. In order to obtain the maximum performance from your audio system, we strongly recommend that the power supply cord not come into physical contact with any of the interconnect cables running to and from your **LP3**. In the event that this can’t be avoided, you should ensure that any cables coming into contact with each other are crossed at ninety degree angle to minimize the contact area.

### **Powering up your MOON LP3 for the first time**

Since this Phono Preamplifier is not equipped with an on/off power switch, when connecting/disconnecting the AC power cord you are actually turning the unit on/off. Prior to making the AC connection for the first time, make sure that every cable is properly connected to avoid any problems. Once the **LP3** is connected to an AC source, The blue LED on the unit’s front panel will illuminate.

### **On and Off Sequence**

To avoid having any annoying noises (ie. “thumps” and “pops”) emanate from your speakers when powering your **LP3** on or off, you should i) Always power up your **LP3** before powering up your preamplifier and/or integrated amplifier and ii) always power down your **LP3** after powering down your preamplifier and/or integrated amplifier.

## Specifications

Circuit Layout .....	Mirror-image symmetrical circuit
Single-ended inputs .....	1 pair (RCA)
Input Impedance - Adjustable .....	100 and 47kΩ
Input Capacitance - Adjustable .....	0 and 100pF
Single-ended output .....	1 pair (RCA)
Gain – Adjustable .....	40 and 66dB
Input overload @ 40dB gain / 60dB gain.....	30.5mV RMS @ 1kHz / 3.15mV RMS @ 1kHz
Signal-to-noise Ratio (full scale @ 40dB gain / 60dB gain) ..	104dB / 87dB
Maximum Output (1kHz @ 10KΩ).....	3.0 Volts
Frequency Response.....	20Hz - 20kHz (± 0.5dB)
Crosstalk @ 1kHz .....	-97dB
Intermodulation Distortion .....	< 0.009%
THD (20Hz - 20kHz) .....	< 0.001%
Power Consumption .....	2 Watts
AC Power Requirements .....	120V or 240V, 60Hz or 50Hz
Shipping Weight .....	1.5 lbs / 0.7 Kgs
Dimensions (W x H x D, inches) .....	4.25 x 2.5 x 4.5