

MOON 110LP Phono Preamplifier



Also available with black faceplate

The **MOON 110LP** simplifies high quality analog playback. Derived from technologies found in its big brother, the MOON 310LP, and intended as the next generation to the hugely popular LP3, the **110LP** represents another leap forward in affordable phono preamplifier design. The easiest way to describe its sound in a single word would be dynamic. All of the Simaudio sonic characteristics are more present than before; fast, tight, extended bass response, a natural open midrange, and airy extended high frequencies. This is achieved through the combination of an improved power supply and an enhanced circuit layout. Another benefit is an increased input overload margin.

Convenience and flexibility are also key aspects to the **MOON 110LP's** design; In a matter of just a few minutes you can easily configure both the resistance and capacitance loading for virtually any moving coil or moving magnet cartridge. As a result, replacing your cartridge will not render the **110LP** obsolete. Rounding out the whole package is a rigid all-aluminum chassis with a ¼" brushed & anodized faceplate that is available in either a black or silver finish.

Significant Design Features:

- End-user adjustable impedance loading (100 and 47k ohms)
- End-user adjustable capacitance loading (0 and 100pF)
- End-user adjustable gain for moving magnet (40dB) & moving coil cartridges (60dB)
- Two-layer PCB tracings using pure copper for low impedance characteristics. The advantages include better circuit layouts resulting in a much shorter signal path and a vastly improved signal-to-noise ratio
- Inductive DC Filtering for a significantly lower noise floor
- Accurate matching of military-grade components with ultra-tight tolerances using surface-mount technology for extremely short signal paths
- Compact, rigid all-aluminum chassis with gold-plated RCA connectors.

MOON 110LP Phono Preamplifier Specifications

Configuration	Stereo
Single Ended Inputs (RCA)	1 pair
Input Impedance – Adjustable	100 and 47K Ω
Input Capacitance – Adjustable	0 and 100 pF
Single-ended Output (RCA)	1 pair
Gain - Adjustable	40 and 60dB
Input overload @ 40dB gain	45mV RMS @ 1kHz
Input overload @ 60dB gain	4.5mV RMS @ 1kHz
Signal-to-noise Ratio (full scale @ 40dB gain)	104dB
Signal-to-noise Ratio (full scale @ 60dB gain)	87dB
Maximum Output (1kHz @ 10k Ω)	3.0 Volts
Frequency Response	20Hz - 20kHz (± 0.5 dB)
Crosstalk @ 1kHz	-97dB
IMD	< 0.009%
THD (20Hz - 20kHz)	< 0.001%

Available Faceplate Finishes	Black
Power Consumption	2 Watts
AC Power Requirements	120V / 60Hz 240V / 50Hz
Shipping weight	2.5 lbs / 1.1 kgs
Dimensions (W x H x D)	5.0 x 2.9 x 6.5 in. (12.7 x 7.4 x 16.5 cm.)

Features & specifications are subject to change without notice.