

MOON 310LP

Phono Preamp

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The 310LP represents a significant step forward in phono preamplifier design. Like its predecessor, the highly acclaimed MOON LP5.3, particular attention has again been given to noise levels and dynamic range. The result is one of the quietest phono preamplifiers ever, on par and even superior to many models at significantly higher price points. Sonically, it portrays all the MOON hallmarks: clean, powerful, fast and extended bass combined with an open midrange and airy extended high frequencies.

A major strength of the 310LP is its highly configurable nature. There are numerous end-user adjustments for resistance loading, capacitance loading and gain level. Going one step further, you can even choose from two different equalization curves - either the RIAA curve with a flat frequency response or the IEC curve which, although identical to the RIAA curve beyond 20Hz, acts like a subsonic filter by removing inaudible infrasonic bass below 20Hz.

Balanced outputs are a standard feature, allowing you to take full advantage of connectivity to a balanced preamplifier or integrated for a significant improvement in noise floor, dynamics and midrange transparency. In terms of aesthetics, the MOON 310LP is housed in a custom-made, rigid chassis with a 3/8" brushed and anodized front panel.

Add the MOON 320S external power supply to bring the 310LP's performance to the next level.

Significant Design Features

- ▲ Isolated power supply on a separate circuit board using a toroidal transformer with 2 stages of voltage regulation
- ▲ Optional MOON 320S external power supply upgrade.
- ▲ Power supply voltage regulation includes i²DCf (Independent Inductive DC Filtering); 1 inductor for each and every IC in the audio circuit's signal path – 2 stages in all.
- ▲ 4-Layer printed circuit boards with pure copper tracings for a much shorter signal path; This results in greater sonic accuracy and dramatically improved signal-to-noise ratio.
- ▲ A symmetrical circuit design with accurate matching of the very finest high quality electronic components.
- ▲ Single-ended RCA and Balanced XLR output connectors.

Specifications

S/N Ratio (full scale @ 40dB gain)	110dB
S/N Ratio (full scale @ 66dB gain)	88dB
Frequency Response	20Hz - 20kHz ±0.5dB
Crosstalk @ 1kHz	-100dB
Output impedance	50Ω
THD (20Hz - 20kHz)	0.001%
Intermodulation distortion	0.009%
Input overload @ 40dB gain	58mV RMS @ 1kHz
Input overload @ 66dB gain	3.0mV RMS @ 1kHz
Shipping weight	7.0 lbs. / 3.0 Kgs
Dimensions (width x height x depth)	8.0 x 3.3 x 11 in. 20.3 x 8.4 x 27.9 cm.

Rear Panel



Available Finishes

