

M O O N Classic Series • LP 5.3 Phono Preamplifier




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LP5.3 PHONO PREAMPLIFIER


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The leading edge in music & film reproduction

Technical information

The **MOON LP 5.3** represents a significant step forward in phono preamplifier design. Particular attention has been paid to noise levels and dynamic range, making the **LP 5.3** 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 Simaudio hallmarks: clean, powerful, fast and extended bass combined with an open midrange and airy extended high frequencies. One of the strengths of the **LP 5.3** is its extensive flexibility with

respect to end-user adjustments. The balanced outputs allows you to take full advantage of connectivity to a balanced preamplifier or integrated amplifier for a significant improvement in noise floor, dynamics and midrange transparency. Unlike most of the competition, which either uses mass-manufacturing techniques or a circuit mounted in a basic folded metal box, the **LP 5.3** is housed in a custom-made, sturdy chassis with a 3/8" brushed and anodized front panel.



MOON P5.3 Preamplifier Significant Design Features:

End-user adjustments for capacitance loading, resistance loading and gain level to extract exceptional performance from virtually all high quality phono cartridges • End-user adjustments to alternate between the RIAA and IEC equalization curves • Isolated and shielded power supply on a separate circuit board based around an ultra-low noise toroidal transformer • An extremely short signal path for a faster transient response • Single-ended RCA and balanced XLR output connectors • Optional external power supply • Power supply voltage regulation includes i²DCf (Independent Inductive DC Filtering) derived from the Evolution Series for increased dynamic range • Four-layer PCB tracings with dedicated ground and power planes using pure copper for low impedance characteristics. The advantages are better circuit layouts resulting in much shorter signal paths and a vastly improved signal-to-noise ratio • Rigid chassis construction to minimize the effects of external vibrations • A symmetrical circuit design with accurate matching of the very finest high quality electronic components • Designed to be powered up at all times for optimal performance • Low operating temperature for a longer than normal life expectancy.



LP5.3 Specifications

Circuit Layout	Mirror-image symmetrical circuit
Power Supply Transformer	10VA
Power Supply Capacitance	14,000µF
Single-ended inputs	1 pair (RCA)
Input Impedance – Adjustable	47, 100, 470, 1k, and 47k ohms
Input Capacitance – Adjustable	0, 100, and 470 pF
Single-ended output	1 pair (RCA)
Balanced output	1 pair (XLR)
Gain – Adjustable (single-ended)	40, 54, 60 and 66dB
Gain – Adjustable (balanced)	46, 60, 66 and 72dB
Input overload @ 40dB gain	8mV RMS
Input overload @ 54dB gain	11mV RMS
Input overload @ 60dB gain	6mV RMS

Input overload @ 66dB gain	3mV RMS
S/N Ratio (full scale @ 40dB gain)	110dB
S/N Ratio (full scale @ 66dB gain)	88dB
Maximum Output (1kHz @ 10k ohms)	6.0 Volts
Frequency Response	20Hz – 20kHz (± 0.5dB)
IEC Curve Effect	-7dB @ 10Hz
Crosstalk @ 1kHz	-100dB
Intermodulation Distortion	< 0.009%
THD (20Hz - 20kHz)	< 0.001%
Power Consumption	6 watts
AC Power Requirements	120V or 240V, 60Hz or 50Hz
Shipping Weight	7 lbs / 3 kgs
Dimensions (W x H x D, inches)	8 x 3.25 x 11

Specifications subject to change without notice.

MANUFACTURED IN CANADA

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