

MOON EVOLUTION SERIES P-8 Dual-mono Preamplifier



Also available with black faceplate

The **MOON P-8** preamplifier is a dual-mono fully balanced differential design, representing the next generation of **MOON** high-performance audio components. Using several newly developed proprietary technologies, this preamplifier yields absolutely no sonic colorations, a level of transparency second-to-none, and possesses a signal-to-noise ratio would have been considered unattainable until now. Further raising the bar, the **MOON P-8** can be fully integrated into a custom-install environment via an RS-232 port. As well, a plethora of user selectable cosmetic options are available at the time of purchase.

Significant Design Features:

- 2-chassis design with the larger chassis housing the power supply, digital controller circuitry and software processing. The smaller chassis contains audio circuitry ONLY
- Full unsolicited RS-232 bidirectional feedback
- Custom proprietary toroidal transformer design with lower magnetic, electrical and thermal loss, yielding an improved power transfer and lower regulation factor. The result is increased current speed and better dynamics
- An oversized dual-mono power supply features 6 stages of DC voltage regulation and choke filtering
- **SimLink** controller port allows for 2-way communications between other compatible MOON Evolution Series components
- **M-Ray** volume control based on the R-2R resistor array configuration using metal film surface mount resistors with 0.1% tolerances, resulting in no sonic degradation of the audio signal regardless of the selected volume setting
- **M-Lock** for "user selectable" maximum volume setting lock-out for each line input

- Power supply voltage regulation includes i^2DCf (Independent Inductive DC Filtering); There is one inductor dedicated to each integrated circuit type component (DAC, Op-Amp, etc.) in the audio circuit's signal path - 40 stages in all
- "Gain offset" for each individual line input with a $\pm 10dB$ range
- Each line input is fully configurable to be "home-theater ready", where the gain section of the P-8 is bypassed
- 530 individual volume steps in 1dB and 0.1dB increments
- 12 Volt trigger outputs for remote operation
- An exceptionally short signal path measuring less than 8 inches in length from the rear panel's input to output connectors, yielding a much faster transient response
- Fully differential, no global feedback circuit topology, using absolutely no capacitors anywhere in the audio signal path
- Four-layer PCB tracings; Layers 1 and 3 for the audio signals, layer 2 for the ground plane and the bottom layer for power supplies. The advantages include better ground and power supply circuit layouts resulting in a much shorter signal path and dramatically improved signal-to-noise ratio
- Ultra rigid chassis construction to minimize the effects of external vibrations
- Accurate matching of the very finest quality electronic components in a symmetrical circuit design
- Improved reliability through the elimination of moving parts
- Low operating temperature for a longer than normal life expectancy.