

Evolution Series

850P

Reference Preamplifier

Dual-mono Balanced Design



The **850P** is the most advanced MOON preamplifier to date. Extensive research and development, coupled with recent advancements in electronic parts have provided us with the foundation to design what may very well be the transparent, quietest, most accurate and uncolored preamplifier. Targeted to the discerning listener who desires uncompromising musical reproduction, the **850P** features numerous proprietary technologies.

Our **M-Octave** Damping damping system that eliminates the sonically degrading effects of microphonics by mounting the main audio circuit on an 8-point floating suspension. The result is a more natural, liquid and lifelike sound. Since listening environments are typically loaded with acoustically induced vibrations that originate from the loudspeakers, we use **M-Octave** to isolate the **850P** from these microphonic-causing vibrations, allowing you to hear more music, exactly the way it was recorded.

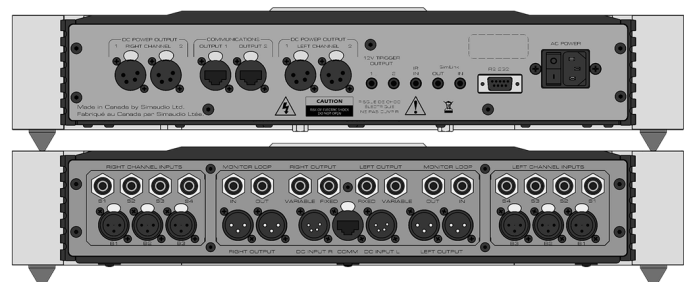
Other in-house technologies include (i) **i²DCf** power supply voltage regulation, (ii) **M-Ray** volume control, with a phenomenal 530 steps, allowing for an extremely precise level adjustment, (iii) SimLink™ and (iv) **M-Lock**, just to name a few, as well as an RS-232 connection, IR port and 12 Volt triggers for custom-install environments.

Significant Design Features:

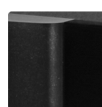
- ▲ 2-chassis design with 1 chassis housing the power supply, digital controller circuitry, software processing & the LED display. The other chassis contains ONLY audio circuitry.
- ▲ Power supply voltage regulation includes **i²DCf** (Independent Inductive DC Filtering); 1 inductor for each and every IC in the audio circuit's signal path – 40 stages in all.
- ▲ Gain offset adjustment of ± 10 dB for each line input.
- ▲ Each line input is fully configurable to be “home theater ready”, whereby the 740P's volume control is bypassed.

Specifications:

Circuit Topology	Open loop
Input Sensitivity	200mV - 4.0V RMS
Input impedance	11,000Ω
Gain	9dB
Max. output voltage (XLR / RCA)	15V / 7.5V
Signal-to-noise Ratio (20Hz-20kHz)	130dB @ full output
Frequency response (full range)	5Hz - 100kHz ± 0.1 dB
Crosstalk @ 1kHz	-130dB
Output impedance	50Ω
THD (20Hz-20kHz)	< 0.0005%
Intermodulation distortion	Unmeasurable
Shipping weight	151 lbs / 67 Kgs
Dimensions - Preamplifier (W x H x D)	18.75 x 4.0 x 16.5 in.
Dimensions - Controller (W x H x D)	18.75 x 5.5 x 16.5 in.



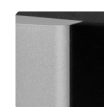
Available Finishes



Black



Silver



2-Tone



M O O N

MUSICAL ECSTASY

simaudio.com