

# Evolution Series

# 870A Reference Power Amplifier Dual-mono Balanced Design



The **MOON 870A** Power Amplifier is a balanced differential dual-mono design with both exceptional transparency and remarkable soundstage, despite its immense output power rating. Ultimately, the **870A** will mate seamlessly with any loudspeaker, allowing it to reach its full sonic potential, regardless of its load.

Several in-house developed advancements allow the **MOON 870A** to perform with both exceptional accuracy and a grain-free character; These include (i) **MOON output transistors**, specifically designed for use in our amplifiers, providing tighter and more visceral bass performance, as well as unprecedented linearity throughout the entire frequency spectrum; (ii) our advanced “zero global feedback” circuit, commonly referred to as **Lynx**; and (iii) an over-sized power supply featuring 2 massive custom proprietary toroidal transformers for an improved power transfer and lower regulation factor, resulting in increased current speed and superior dynamics.

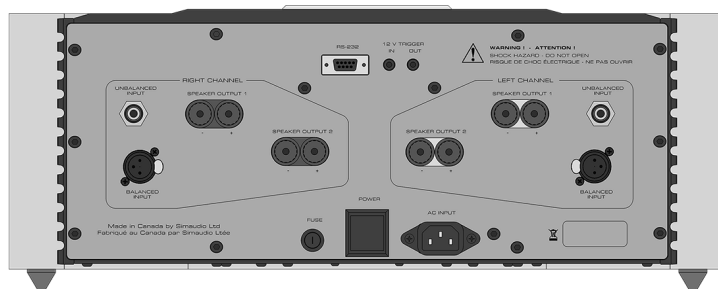
Pairing the **MOON 870A** with the reference 850P Preamplifier creates an astonishing, very high performance and “State-of-the-Art” package. Of course, the key features you would expect from a **MOON** Evolution series power amplifier are present such as an RS-232 port and I2 Volt triggers for custom-install environments.

### Significant Design Features:

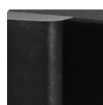
- ▲ Our “**Lynx**” Technology which eliminates feedback and results in: Real-time amplification; More accurate musical reproduction with respect to tonality; Non-existent transient intermodulation distortion; The elimination of phase errors resulting from feedback.
- ▲ Output stable to any known speaker impedance.
- ▲ “Class A” power output to 5 watts for greater efficiency.
- ▲ A high damping factor for superior musical dynamics, improved signal speed and refined timbre accuracy.
- ▲ Self-diagnostic system that detects both over-heating and the presence of DC in the input signal.

### Specifications:

Output Power at 8Ω / 4Ω .....	300W/ch / 600W/ch
Output Power - Bridged Mono .....	1200 Watts
Input Sensitivity .....	1400mV RMS
Input Impedance .....	47,500Ω
Maximum current output .....	72 amperes
Signal-to-noise Ratio .....	> 106dB @ full power
Frequency response (full range) .....	10Hz - 200kHz (+0/-3dB)
Crosstalk @ 1kHz .....	- 105dB
THD (20Hz - 20kHz @ 300 watts) .....	< 0.04%
Intermodulation distortion .....	Unmeasurable
Shipping weight .....	98 lbs / 44 Kgs
Dimensions (width x height x depth) .....	18.75 x 7.5 x 17.5 in. 476 x 191 x 44.5 cm.



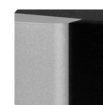
### Available Finishes



Black



Silver



2-Tone



M O O N

MUSICAL ECSTASY

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