



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 12 Volt triggers for custom-install environments.

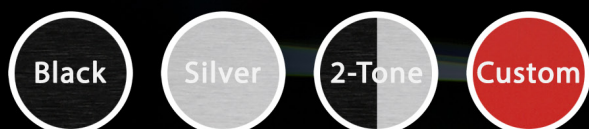
Significant Design Features

- ▲ 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	300 Watts per channel
Output Power at 4Ω	600 Watts per channel
Output Power - Bridged Mono at 8Ω	1200 Watts
Input Sensitivity	1400mV RMS
Input Impedance	47,500Ω
Gain	31dB
Signal-to-noise Ratio	106dB @ full power
Frequency response (full range)	10Hz - 200kHz +0/-3.0dB
Crosstalk @ 1kHz	-105dB
THD (20Hz - 20kHz @ 1 watt / 300 watts)	0.015% / 0.04%
Intermodulation distortion	0.006%
Shipping weight	98 lbs / 44 Kgs
Dimensions (width x height x depth)	18.75 x 7.5 x 17.5 in. 47.6 x 19.2 x 44.5 cm.

Available Finishes



Rear Panel

