

MOON 400M Differential Mono Power Amplifier



Also available with black faceplate

The **MOON 400M** is a differential mono power amplifier that produces 400 watts into 8Ω and 650 Watts into 4Ω. Based on our highly acclaimed *Advanced Renaissance* amplifier circuitry, the class A/AB, zero global feedback, DC-coupled **400M** is capable of producing tight, deep and powerful bass with lightning fast speed; True high-performance in a compact package without compromise. Possessing a high damping factor, an incredibly low noise floor, excellent dynamic range and a transparent lifelike soundstage, the **MOON 400M** will effortlessly drive any loudspeaker. Even difficult loads will not impede its ability to remain exceedingly musical and accurate.

For any loudspeaker ... For any listening environment

Our own unique heat-sink geometry allows for ultra-effective and efficient cooling. The amplifier's oversized power supply contains a large proprietary toroidal transformer and substantial energy storage. Finally, with both balanced (XLR) and single-ended (RCA) inputs, the **MOON 400M** represents the ultimate choice for performance and affordability.

Significant Design Features:

- 12 Volt Trigger input and output
- A "no overall feedback" design resulting in genuine real-time amplification, a more accurate musical reproduction with respect to tonality, virtually non-existent intermodulation distortion and the elimination of common phase errors resulting from feedback
- An oversized power supply
- 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
- Fully balanced differential circuitry
- Class A output to 10 watts for greater efficiency
- Proprietary MOON Bipolar Output transistors with unprecedented gain linearity resulting in improved bass response and even more accurate sonic reproduction
- A high damping factor yielding superior musical dynamics, improved signal speed and refined timbre accuracy
- RS-232 port for i) full unsolicited bidirectional feedback in custom installation setups and ii) firmware updates
- PCB w/ pure copper tracings & gold plating that yields low impedance characteristics
- Extremely rigid chassis construction to minimize the effects of external vibrations
- Accurate matching of the finest high quality electronic components in a symmetrical circuit design
- Designed to be powered up at all times for optimal performance
- Low operating temperature to ensure a longer than normal life expectancy.