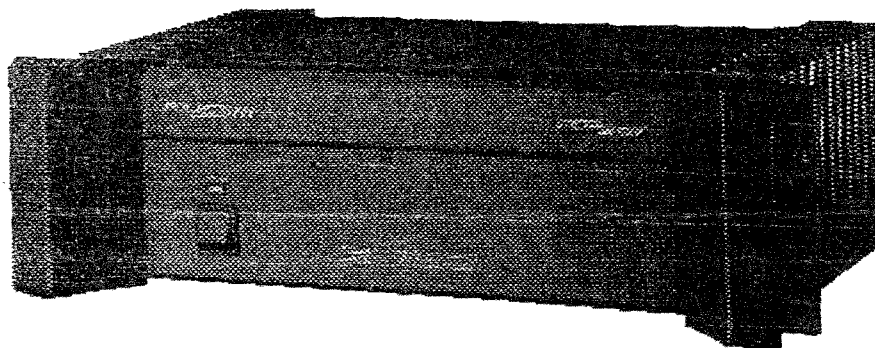


# **SUMO**

*The Power of Music.*



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## ***Polaris III***

The original Polaris was one of the first reasonably-priced amplifiers that could compete with the best of the High End. The second generation brought more power and better dynamics with its stacked power supply. For the third generation, the Polaris now comes with true balanced inputs, a better power supply, and no capacitors in the signal path.

True balanced inputs? Yes. The Polaris is the first amplifier to bring true balanced inputs to this price level. The Polaris now features a vastly improved layout that allows nearly "wireless" construction. And like all Sumo amplifiers, the Polaris uses a very low-feedback, wide-bandwidth, fully-complementary amplifier stage with our exclusive TL circuit around the output MOSFETS. The TL circuit allows us to reduce distortion without resorting to huge amounts of overall negative feedback.

The result? A musical combination of sweetness and solid-state slam, without the "MOSFET mist".

The Polaris is also a powerhouse. With a 800VA transformer and 40,000  $\mu$ F of filter capacitance, HexFet technology MOSFETS capable of dissipating 1200 watts of power continuously, and the ability to source up to 100 amperes of peak current, you'd expect it to be. Want more? The Polaris can easily be run as a 350-watt monoblock amplifier.

The new Polaris easily shatters all preconceived notions of price versus performance. Now, more than ever, it truly deserves to be compared with "the best of the best."

### **SPECIFICATIONS**

Power, stereo: 120 watts per channel into 8 ohms, from 20 Hz to 20 kHz, with less than 0.1% THD. 175 watts per channel into 4 ohms, from 20 Hz to 20 kHz, with less than 0.2% THD.

Power, mono: 350 watts per channel into 8 ohms, from 20 to 20 kHz, with less than 0.2% THD.

SMPTE IM: less than 0.1% from .25W to 120W, 8 ohms.

TIM: unmeasurable

Hum and noise: 103 dB below rated power.

Frequency response: -0.1dB from 20 Hz to 20 kHz, -3dB from 1 Hz to 100 kHz.

Input sensitivity at rated output: 1.3V.

Input sensitivity at 1 watt: 130 mV.

Input impedance: 10k ohms.

Damping factor: greater than 300.

Dimensions: 19"W x 5.25"H x 11.5" D.

**SUMO PRODUCTS, 5312 DERRY AVE., SUITE K, AGOURA HILLS, CA 91301**