

TAD

TECHNICAL AUDIO DEVICES LABORATORIES, INC.

INTEGRATED AMPLIFIER
A1000



TAD-A1000-S (Silver)



TAD-A1000-K (Black)



Rear panel

TAD-A1000 Specifications

■Power output: 250W at 1 kHz, 4Ω ■Rated Distortion: Less than 0.05% at 1 kHz, 4Ω 125W ■Signal-to-Noise Ratio: 100 dB or more ■Frequency Response: 10 Hz to 50 kHz, +0/-3 dB ■Gain: 41.5 dB ■Input Terminal (Impedance): 4 balanced inputs (100 kΩ), 2 unbalanced inputs (50 kΩ) ■Power requirements: AC 120 V, 60 Hz (United States), AC 220 V to 230 V, 50 Hz/60 Hz (Europe/Asia) ■Power consumption: 130 W ■Standby Power Consumption: 0.5 W or less ■Dimensions: 440 mm (W) x 200 mm (H) x 553 mm (D) [17-21/64 in. (W) x 7-7/8 in. (H) x 21-49/64 in. (D)] ■Weight: 29 kg (63.9 lbs)

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Note: Specifications, design and screenshots subject to modification without notice.

Product colors and illumination may differ in photographs from actual appearance, due to effects printing and photography.

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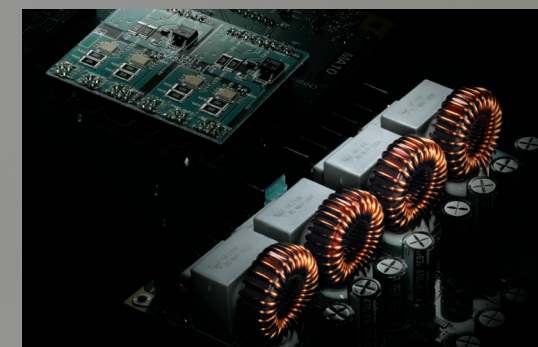
TAD

Evolution Series

INTEGRATED AMPLIFIER
A1000



*Innovations transform
your audio experiences*



The integration of an analog power supply circuit comprising twin high-capacity toroidal transformers and electrolytic capacitors with a Class-D output stage established the foundation for a pure amplification stage and an exceptionally high-speed and powerful response. Direct FET devices with ultra-low on-resistance in leadless packages facilitate signals with sharp rising edges. The highly efficient Class-D output stage, which generates minimum heat and eliminates the need for conventional heat sinks, delivers an impressive 250 watts of power per channel.



In the TAD-A1000, the circuit pattern and components are symmetrically arranged along the center of the chassis on the audio motherboard of the critical preamplification circuit to suppress even the slightest amplification errors between positive and negative signals, as well as between right and left channels. The pursuit of perfect symmetry extends further. We have laid out three power transformers, the chassis construction, and rear-panel jacks symmetrically to achieve optimal structural weight distribution and vibration balance.



The internal coils of TAD-A1000's high-capacity toroidal transformers are directly connected to its power supply circuit. The cross-section of the transformer core was designed in a circular shape to enhance the contact between the core and coils, thereby minimizing unwanted leakage magnetic flux and vibrations. This design results in a power supply with improved purity. Extremely low energy-conversion loss, thanks to the strong coupling between the primary and secondary winding of the transformer, low load fluctuations resulting from parallel winding, and the use of TAD's proprietary 33,000 μ F electrolytic capacitors contribute to the analog power supply's enhanced driving capability, even under abrupt load fluctuations, and outstanding high-speed responsiveness.



The volume knob exudes an exquisite aesthetic and tactile experience. It is meticulously mounted on high-precision ball bearings, ensuring an exceptionally smooth and effortless rotation, a hallmark of TAD's hi-fi audio components. The center-mounted design of the volume knob signifies the symmetrical arrangement of the internal circuits. The TAD-A1000 adheres to a design language shared with other offerings in the Evolution Series.