TECHNICAL AUDIO DEVICES LABORATORIES, INC.

Technical Audio Devices Laboratories, Inc.
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For more about TAD products, visit http://tad-labs.com or e-mail to info@tad-labs.com

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

TZM004

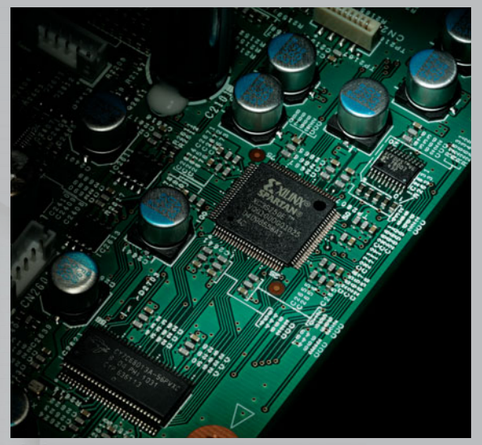
Revealing the concealed beauty of sound.

Once again, TAD steps out from the audio mainstream
with the TAD-C2000 preamplifier:
an exciting new frontier in evoking the essence of sound.

Purity

The #1 goal of the TAD-C2000 is to reproduce music faithfully, and superior components make this possible. Using technology developed from the D600 disc player, a custom developed UPCG** quartz oscillator provides a precise, stable and ultra-high C/N* clock signal, thoroughly reducing phase noise and enabling sound reproduction with unprecedented purity.

* Carrier to Noise ratio ** Ultra High Precision Crystal Generator



Innovation

In order to achieve the best sound quality from music files transferred from a PC, TAD developed the Asynchronous USB Transfer Engine. In contrast to the normal synchronous transfer method, the asynchronous method adopted by the TAD-C2000 controls the data transfer on the receiving end using a high quality clock, resulting in a high-precision PCM signal free from clock jitter created in the PC or transfer stages. The ultra-high C/N master clock UPCG equipped D/A converter converts it to precise, high-quality music signals.

* The USB playback format depends on the PC software. See your PC manual for PC settings

Accuracy

In order to achieve accurate signal transmission, the TAD-C2000 maintains a fully symmetrical design, right down to the circuit topology, the pc board and the wiring. The analog circuitry is fully balanced from input to output. These circuits utilize separate boards for left and right channels with identical wiring lengths for each, achieving identical L/R circuit symmetry with Dual Mono Construction.

In order to prevent vibration from affecting sound quality, the chassis is machined from a solid piece of aluminum to eliminate joints and to provide a stable, heavy and mechanically grounded platform. The components are directly attached to further limit any chance of noise-generating vibration. Even the feet, made of cast iron, are supported at three points to the chassis for improved stability.

Stability

Elegance

The TAD-C2000 is truly a work of art in every aspect, from the textured silver and black aluminum chassis right down to the high-precision ball bearings that give the aluminum control knobs a responsive, yet delicate touch. The LCD screen features TAD's usual warm color and offers high visibility. With the TAD-C2000, both form and function work in tandem to provide an experience that is just as pleasing to the eyes as it is to the ears.

PREAMPLIFIER
C2000

- The D/A converter uses Burr-Brown PCM1794A chips in a twin differential configuration.
- The circuitry and power supplies are completely isolated between digital and analog sections, ensuring low noise.
- A 70µ copper foil PCB lowers losses from board wiring, permitting accurate signal amplification.
- The power supply utilizes a high capacity toroidal transformer for powerful yet responsive sound.

TAD-C2000 Specifications

[Amplifier] • Rated Output Voltage: 1.5V (balanced), 0.75V (unbalanced) • Maximum Output Voltage: 16Vms (balanced) 8Vms (unbalanced) • Rated THD: 0.003% • IHF S/N Ratio: 120dB • Frequency Response: 10Hz—100kHz, –1 dB • Gain: 12dB • Analog Input Jacks: 2 Balanced, 2 Unbalanced • Digital Input Jacks: 1 Balanced, 1 Unbalanced • USB (–B) Input Jack: 1 • Analog Output Jacks: 2 Balanced, 2 Unbalanced • Analog Maximum Allowable Input Voltage (–40dB): 20V (balanced), 10V (unbalanced) • Compatible Sampling Frequencies: 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz • USB Operating Environment: USB Jacks: USB 2.0 High-speed; OS: Windows XP and later; Mac OS 10.5 and Later (44.1kHz, 48kHz, 88.2kHz, 96 kHz), Windows 7/Windows Vista (compatible with a specialized driver), Mac OS 10.6 and later (44.1kHz, 48kHz, 88.2kHz, 96 kHz, 176.4 kHz, 192kHz) • Power Requirements: AC 120 V, 60 Hz (USA), AC 220 V to 240 V, 50 Hz /60 Hz (Europe, Asia) • Power Consumption: 37W • Power Consumption During Standby: 0.5W or less • Dimensions: 440mm (W) x 140mm (H) x 393mm (D)[17-5/16 in. (W) x 5-1/2 in. (H) x 15-1/2 in. (D)] • Weight: 23.5kg (51.8 lb)