

# TAD

TECHNICAL AUDIO DEVICES LABORATORIES, INC.

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# TAD

*Evolution Series*



DISC PLAYER      D/A CONVERTER  
**D1000 & DA1000**

Bring the true beauty of music to life.



Our goal is truly pure sound. With unwavering dedication to our basic concepts and constantly evolving technical innovation wrapped up in eye-catching new forms, these are two new models that set new standards.

The TAD-D1000 Disc Player and the TAD-DA1000 D/A Converter.

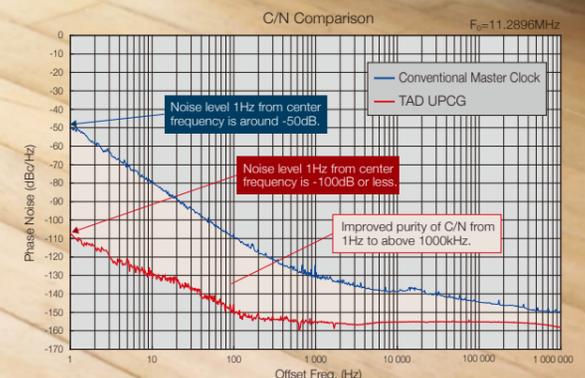
Welcome to your gateway to pure, high-resolution sound.



**Sound of unlimited purity**  
The secret of TAD innovation is our Ultra-High C/N Master Clock UPCG.

These two models embody the philosophy and technical standards behind TAD's dedication to conveying all the passion contained within music. Testifying to this is the latest development derived from our top-end, highly praised TAD-D600 disc player: the Ultra-High C/N<sup>\*1</sup> Master Clock UPCG<sup>\*2</sup>. To ensure precise reproduction with no tonal changes, TAD focused on minimizing low frequency distortion caused by noise from the clock itself occupying the same spectral region. Designed to achieve a pure low-noise signal approaching the upper limits of audibility, our highly innovative master clock is featured in both of these models.

<sup>\*1</sup> C/N: Carrier to Noise ratio <sup>\*2</sup> UPCG: Ultra-high Precision Crystal Generator



Pursuing the realism of high-resolution sound.  
From concept to physical form.



## Precision

To convey all the emotion and passion of the original source, reproduction must be precise and pure. A natural consequence of TAD's relentless pursuit of this audio philosophy, the Ultra-High C/N Master Clock UPCG is combined with high-quality, parallel connected, dual differential independent D/A converter ICs for both the left and right channels. To reduce residual noise even at high sample-rates, a discrete I/V conversion circuit is utilized. D/A conversion with virtually flawless accuracy is now a reality.



All internal parts and circuits are designed and constructed with care and precision. From the careful alignment between the theory and practice behind our selection and use of component parts, to our subjecting them to an uncompromising reiterative testing and auditioning process: This is the very essence and DNA of all TAD audio equipment. For example, utilizing high output toroidal power transformers in dedicated independent power supplies for analog and digital circuits eliminates potential mutual interference and easily handles the power and speed demands of high resolution sound reproduction.

## Authenticity



## Progress

We've also included one of our latest developments, the Asynchronous USB Communication Engine. Playback via USB input is capable of handling PCM audio data up to 384kHz/32 bits, and DSD audio data up to 5.6MHz\*. TAD is now equipped to handle all the very best high resolution audio formats to bring you closer than ever to the original musical performance.

\* For Apple Macintosh products. For Windows PCs, PCM audio data is at a sampling rate of 192kHz, with a rate of 2.8MHz in the DSD format.

## Heritage

Based on the concepts, designs and techniques behind TAD disc players in a stylish new form, the TAD-D1000 is our next generation SACD/CD player. With a machined aluminum disc tray and low-noise brushless DC servo motor firmly mounted in an 8mm-thick aluminum chassis, TAD has succeeded in our constant efforts to all eliminate external vibration from our high definition mechanisms, guaranteeing stable high quality playback. With unmatched D/A conversion and USB and digital inputs, you can also enjoy the fruits of high fidelity D/A conversion from external digital sources.



TAD has accumulated a knowledge base built up from years of expertise in D/A conversion of unmatched accuracy, and the TAD-DA1000 DAC opens the way to the high resolution era. To deal with the challenges of this new epoch we have incorporated an asynchronous USB interface to minimize jitter, with the ability to support up to 384kHz/32-bit sample rates and DSD data up to 5.6MHz, all firmly on the leading edge of DAC technology. The volume function and direct power amp connection make it possible for our products to act as a simple high-end audio system. Additionally they also come equipped with headphone jacks capable of handling high fidelity headphones. There is no limit to the ways you can enjoy the best in high resolution sound.



## Progressive

### DISC PLAYER TAD-D1000

Passion springs forth. This is the TAD audio experience.



Rear panel



Remote control

**TAD-D1000 Specifications** ■ Digital audio inputs ● Input jacks: 1 XLR, 2 coaxial, 1 optical, 1 USB (standard B-type) ● Compatible sampling frequencies: XLR, coaxial inputs: 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz / Optical input: 44.1kHz, 48kHz, 88.2kHz, 96kHz / USB input: 44.1kHz\*, 48kHz\*, 88.2kHz\*, 96kHz\*, 176.4kHz\*, 192kHz\*, 352.8kHz\*, 384kHz\* ● USB operating environment: USB 2.0 high-speed ■ Audio outputs ● Digital output terminals: 1 XLR, 1 coaxial ● Analog output terminals: 1 balanced, 1 unbalanced ● Output voltage rated value: 4V balanced, 2V unbalanced (1kHz 0dB) ■ SN ratio: 115 dB ■ Frequency characteristics: Sampling frequency 88.2kHz and above: 10Hz-40kHz -1dB / Sampling frequency 44.1kHz: 10Hz-20kHz -1dB ■ Power supply voltage: AC 120V, 60Hz (USA/Canada), AC 220V to 240V, 50Hz/60Hz (Europe/Asia) ■ Power consumption: 43W ■ Standby power consumption: less than 0.5W ■ External dimensions: 440mm (W) x 150mm (H) x 406mm (D) (17 11/32 in. (W) x 5 29/32 in. (H) x 16 in. (D)) ■ Weight: 18.5kg (40.8 lb)

\*1 Windows 8, Windows 7, Windows Vista, Mac OS 10.6 and later \*2 Mac OS 10.6 and later

### D/A CONVERTER TAD-DA1000

Get a cutting-edge, high-resolution experience for yourself.



Rear panel



Remote control

**TAD-DA1000 Specifications** ■ Digital Audio inputs ● Input terminals: 1 XLR, 2 coaxial, 1 optical, 1 USB (standard B-type) ● Compatible sampling frequencies: XLR, coaxial inputs: 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz / Optical input: 44.1kHz, 48kHz, 88.2kHz, 96kHz / USB input: 44.1kHz\*, 48kHz\*, 88.2kHz\*, 96kHz\*, 176.4kHz\*, 192kHz\*, 352.8kHz\*, 384kHz\* ● USB operating environment: USB 2.0 high-speed ■ Audio outputs ● Digital output terminal: 1 XLR, 1 coaxial ● Analog output terminals: 1 balanced, 1 unbalanced ● Output voltage rated value: 4V balanced, 2V unbalanced (1kHz 0dB) ■ SN ratio: 115 dB ■ Frequency characteristics: Sampling frequency 88.2kHz and above: 10Hz-40kHz -1dB / Sampling frequency 44.1kHz: 10Hz-20kHz -1dB ■ Headphone output terminals: 1 line out ● Recommended impedance: 8-600Ω ■ Output power: 640mV (320) ■ Power supply voltage: AC 120V, 60Hz (USA/Canada), AC 220V to 240V, 50Hz/60Hz (Europe/Asia) ■ Power consumption: 49W ■ Standby power consumption: less than 0.5W ■ External dimensions: 440mm (W) x 150mm (H) x 406mm (D) (17 11/32 in. (W) x 5 29/32 in. (H) x 16 in. (D)) ■ Weight: 16.5kg (36.4 lb)

\*1 Windows 8, Windows 7, Windows Vista, Mac OS 10.6 and later \*2 Mac OS 10.6 and later