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THE ARTISTIC INTENT, INTACT





Our Story

Technical Audio Devices (TAD) was originally the name given to a project launched by Tokyo-based Pioneer Corporation in 1975 to develop high-end speakers for professional use. The term embodies the belief held by the late Bart Locanthi, then a renowned professional audio engineer in the United States and a technical advisor to the project, that "genuine technology is true to the basics and that genuine technology places greater importance on sound quality than on technology for its own sake."

And in 2007, TAD Laboratories, Inc. (TADL) was spun off from Pioneer Corporation as a company dedicated to developing and marketing the TAD-branded products, which include high-end components designed to bring the best out of TAD speakers.

For years to come, we will continue to create high-end audio products that are true to intentions of musicians and that deliver a truly immersive, soul-stirring music-listening experience to proud owners, based on the belief and engineering prowess that has been upheld for more than 40 years.

Sound Philosophy

"The Artistic Intent, Intact." - We at TADL make products that reproduce the genuine sound without adding any artificial coloration or omitting any of original musical nuances. This design philosophy, which has been embraced by every one of our engineers and incorporated into every TAD product since the founding of the brand, has been enthusiastically received by professional studio engineers around the world.

To design TAD speakers and audio components to reproduce the genuine sound, our engineers combine a legacy of our proprietary technologies with leading-edge materials, parts, and technologies. This approach enables listeners to feel as if they were sitting in a front-row seat in a concert hall and enjoying music being played right in front of them, temporarily forgetting the existence of speakers and audio components in their room. We call this concept "the Artistic Intent, Intact."

Technology

To turn the concept of "The Artistic Intent, Intact" into reality, TAD takes an engineering approach grounded in rigorous theoretical evaluation and precise testing, principles that have long defined the brand.

In its speaker systems, TAD pursues the high-dimensional fusion of the sound image and sound field. This is achieved through proprietary speaker units and waveguides that control phase and directivity across a wide frequency range, enabling sound to be reproduced faithfully as it truly is. In addition, TAD's original SILENT enclosure and port system make natural and accurate reproduction possible.

TAD audio components inherit and further refine technologies originally used by Pioneer in its Exclusive Series of high-end audio components. All TAD amplifiers and disc players incorporate a fully symmetrical left and right channel architecture, extending to the circuit topology, printed circuit boards, and wiring, together with fully balanced circuitry from input to output. To achieve the utmost purity in sound reproduction, TAD uses a wide range of parts developed exclusively for its audio components.

Artisanship

Every TAD product is hand-assembled by certified artisans on our lines in Japan. Certified artisans with exceptional expertise and skills hand-assemble compression drivers that require micron-level precision and other components into TAD speakers.

A certified artisan is responsible for an entire process of hand-assembling parts and circuit boards into TAD audio components on the production line, with attention paid down to such small details as controlling the amount of torque applied to screws fixing parts to circuit boards.

The same level of passion and dedication that engineers put into designing TAD products is shared by artisans who transform the engineering designs into masterpieces we market with pride around the world.



REFERENCE *Series*

LOUDSPEAKERS
COMPONENTS



The references series are so called because they serve as the reference point for musical reproduction. Our reference Series products are the full embodiment of our design heritage designed and engineered, improving time tested technology, manufactured relentless attention to detail with uncompromising materials and components.

The reference series features TAD's transformative technology patiently hand built by certified artisans to exacting standards. The reference series represents the ultimate application of proven methods. developed for TAD audio components.

EVOLUTION *Series*

LOUDSPEAKERS
COMPONENTS



The Evolution Series applying our commitment of accurate reproduction to emerging technology, a new path of listening pleasure has been achieved. By definition, evolution is a process of continuous change.

The Evolution Series is defined by combining our DNA with the latest Materials Research, electro engineering, and manufacturing techniques built to the same exacting standards as a reference series by certified artisans. It then takes into account the changing methods of music distribution, reproduction, and listening to keep pace with the changing times, providing boundless joy and pure TAD sound.

REFERENCE *Series*

LOUDSPEAKERS



REFERENCE ONE

TAD-R1TX-EB / TAD-R1TX-BR

Superior technologies come together to bring you a transcendent audio experience



The CST* Driver delivers realism and vivid acoustic space

The CST enables us to achieve our goal for the TAD Reference One: "reproduction with controlled directivity over a wide frequency range from a single point with uniform phase". The tweeter dome and midrange cone are made of beryllium, the lightest and most rigid of metals. These are manufactured using vapor deposition, a unique technology of TAD.

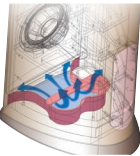
25cm woofer unit with supreme strength

We were able to achieve ideal physical properties including structural body strength, by using a TLCC* diaphragm that has a unique triple laminated construction: a core of foamed acrylamide sandwiched front and rear by direction-oriented aramid fibers. This is the foundation of the TAD Reference One sound.



Superb SILENT* enclosure further evolves

The R1TX features our new SILENT cabinet: the ultimate in elegant curves and immense stability. The basis of our efforts to eliminate resonance is the strong enclosure design, inspired by the structural theory of aircraft wings and ships. The bass reflex port utilizes an aerodynamic port system based on the theory of precise fluid design.



TAD X TENDO MOKKO

"Tendo Mokko" is a leading luxury furniture manufacturer in Japan, established in Tendo, Yamagata in 1940. In the "SILENT Enclosure", their skillful techniques of artisan craftsmanship are incorporated, elevating the supreme functional beauty to yet another level. The elegant finish by skilled artisans further enhances the craftwork of structural beauty.



*CST: Coherent Source Transducer *TLCC: Tri-Laminate Composite Cone *SILENT: Structurally Inert Laminated Enclosure Technology

• Type/ Three-way bass-reflex floor-standing • Drive Units LF : 25cm x 2 ;Midrange/Tweeter: concentric 16 cm MF / 3.5 cm HF • Performance Data/ Frequency response : 21 Hz to 100 kHz (-10 dB) / Crossover frequencies: 250 Hz and 2 kHz / Unit polarity: LF (+), MF (+), HF (+) / Amplifier requirements: 300 W / Sensitivity: 90 dB (2.83 V @ 1 m free space) / Maximum sound pressure level : 115 dB / Rated impedance: 4 Ω • Dimensions/ 554 mm (W) × 1,293 mm (H) × 698 mm (D) • Weight/ 150kg

REFERENCE ONE - Limited Edition

TAD-R1TXLTD

The special limited edition, where unprecedented beauty meets superior sound



Proprietary drivers for ideal music reproduction

TAD's proprietary concentric "CST* driver" utilizing vapor-deposited beryllium and a woofer employing a "TLCC* diaphragm" with a unique three-layer laminated structure made of aramid fibers provide natural and precise music reproduction. These are backed by our unmatched design theory and testing ability.



Upgraded "SILENT* enclosure" for superior sound

Utilizing the same "SILENT Enclosure" structure as the Reference One, we have further enhanced stability by adding a 15mm thick, 12kg aluminum base. This was intended to lower the center of gravity of the entire speaker system to deliver more powerful bass. The aluminum base, finished in "Aurelia Gold," accentuates the luxurious feel of the product.



Redesigned spikes and spike holders

A set of redesigned three spikes and spike holders supports the 162 kg weight of the speaker system and helps it achieve more condensed and energetic audio reproduction with spatial nuance of the music retained intact. These are constructed with a hybrid vibration damping structure, combining the optimum materials such as special alloys.

*This set is sold separately. Please inquire with your dealer for more information.

Deep and elegant special finish

A special color "Santa Maria aquamarine" that accentuates a quasi-three-dimensional elegance of the wood grain has been newly made by skilled artisans of Tendo Mokko, one of Japan's leading manufacturers of luxury furniture. The enclosure, which underwent numerous processes to finish it, helps enhancing the esthetic beauty of this craftwork.



- Limited to 25 pairs worldwide -

- Built to order model -

*CST: Coherent Source Transducer *TLCC: Tri-Laminate Composite Cone *SILENT: Structurally Inert Laminated Enclosure Technology

• Type/ Three-way bass-reflex floor-standing • Drive Units LF : 25cm x 2 ;Midrange/Tweeter: concentric 16 cm MF / 3.5 cm HF • Performance Data/ Frequency response : 21 Hz to 100 kHz (-10 dB) / Crossover frequencies: 250 Hz and 2 kHz / Unit polarity: LF (+), MF (+), HF (+) / Amplifier requirements: 300 W / Sensitivity: 90 dB (2.83 V @ 1 m free space) / Maximum sound pressure level : 115 dB / Rated impedance: 4 Ω • Dimensions/ 554 mm (W) × 1,308 mm (H) × 698 mm (D) • Weight/ 162kg

COMPACT REFERENCE ONE

TAD-CR1TX-EB / TAD-CR1TX-BR

Yet another culmination of the point-source sound concept



The CST* Driver enables ultra-wide-range reproduction

The CST Driver is a major step forward in coaxial speaker design that achieves the optimum balance between creating an ideal sound image and creating an ideal sound field by controlling the driver unit's phase and directivity over a wide frequency range. Unique vapor deposited beryllium diaphragm reproduces natural-sounding music.

20cm woofer produces rich bass with great clarity

The bass driver has achieved the highest linearity in the performance of its magnetic circuit, diaphragm, and suspension. the TLCC* aramid diaphragm has a triple-laminated construction that provides near ideal physical properties. It delivers not only rich and clear bass but also low-coloration sound extending through to the midrange.



Elegant SILENT* enclosure enables immersive sound

The CR1TX is housed in the SILENT enclosure inherited from R1TX. The flowing teardrop shape of the enclosure makes the entire cabinet sturdier, reduces sound diffraction anomalies, and eliminates unwanted resonance and the formation of standing waves inside the enclosure. In addition, Aerodynamic port system contributes to deep, clear bass.



TAD collaborates with Tendo Mokko

Tendo Mokko is one of the most prominent manufacturers of luxury furniture in Japan, established in Tendo, Yamagata, in 1940. Their skillful techniques of artisan craftsmanship are incorporated into our SILENT Enclosure for the CR1TX, elevating the supreme functional beauty to yet another level. Its finish, as well, exudes an air of artful elegance.



*CST: Coherent Source Transducer *TLCC: Tri-Laminate Composite Cone *SILENT: Structurally Inert Laminated Enclosure Technology

• Type/ Three-way bass-reflex stand-mounting • Drive Units LF : 20cm ; Midrange/Tweeter: concentric 16 cm MF / 3.5 cm HF • Performance Data/ Frequency response : 32 Hz to 100 kHz (-10 dB) / Crossover frequencies: 250 Hz and 2 kHz / Amplifier requirements: 200 W / Sensitivity: 86 dB (2.83 V @ 1 m free space) / Rated impedance: 4 Ω • Dimensions/ 341 mm (W) × 628 mm (H) × 446 mm (D) • Weight/ 46kg • Optional Speaker Stand TAD-ST1 • Weight : 16 kg • Dimensions: 407 mm (W) × 532 mm (H) × 525 mm (D)

REFERENCE *Series*

COMPONENTS



PREAMPLIFIER

TAD-C700

The sound purity has reached new heights

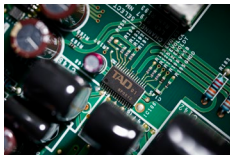


Fully balanced circuitry and simplified transmission

TAD's goal is to design a best-in-class preamplifier capable of remarkably accurate signal transmission from input to output. To this end, we have taken extra steps to achieving ultimate uniformity in circuit topology and R/L ch layout. Input signals, after their level is adjusted by the electronic volume control, are amplified by a single-stage voltage amplifier before output.

Elaborate noise-suppression techniques

The main unit and power supply unit are completely separated to eliminate unwanted transformer vibrations and magnetic flux leakage. To increase the purity of power supply, the internal coil of the transformer is directly connected to the power supply circuit, minimizing the contact points with leading wires.



High-quality precision parts

The C700's custom-made electronic volume control boasts ladder-resistance switching that attenuation deviation beyond measurement limit between R/L ch, and an ultra-low distortion. An independent electronic volume control is provided each to the R/L ch, as well as superb sound-image localization and sound-field reproduction.

• Input terminals/ 4 balanced, 2 unbalanced • Output terminals/ line: 2 balanced, 2 unbalanced • Rated output voltage / 1.5 V balanced, 0.75 V unbalanced • Maximum output voltage / 20 V balanced, 10 V unbalanced • S/N ratio/ 120 dB • Frequency response/ 10 Hz - 100 kHz (-1 dB) • Power consumption/ 52 W • Power consumption during standby/ 0.5 W or less • Dimensions/ Main unit: 450mm (W) x 150mm (H) x 440mm (D), Power supply unit: 220mm (W) x 185mm (H) x 430mm (D) • Weight/ Main unit: 29 kg, Power supply unit: 15kg

MONAURAL POWER AMPLIFIER

TAD-M700

Bringing reproduction of music in its purest form to a new height



Dual-logic circuit technology

The basic design concept is to realize end-to-end symmetry, unifying our wealth of proprietary technologies into a coherent form to achieve the ultimate in sound reproduction. We have chosen the BTL configuration and optimized every aspect of amplifier design from input to output.

Elaborate vibration-suppressing technology

The M700 employ a newly designed cast-aluminum chassis that boasts a high internal loss factor for vibration, eliminating inherent sympathetic vibration at unwanted frequencies. The low-impedance aluminum chassis demonstrates high electric stability.



Simplified first-stage circuitry

True to TAD's long-held design philosophy of "Simple is best", the M700 reduce the number of components needed for the first stage down to a minimum. A pair of FET devices carefully hand-picked by our certified artisans was incorporated into the amplifier's input circuit.

• Power Output: 700 W (1kHz, 4Ω), 350 W (1kHz, 8Ω) • Rated Distortion: Less than 0.005 % (1kHz, 350 W, 4Ω) • Signal-to-Noise Ratio: More than 125 dB • Frequency Response: 1 Hz to 100 kHz, +0/-3 dB • Gain: 29.5 dB • Input Terminal (Sensitivity/ Impedance): 1.5 V/100 kΩ • Dimensions: 516 mm (W) x 296 mm (H) x 622 mm (D) • Weight: 74.5 kg

2CH POWER AMPLIFIER

TAD-M700S

Testing and researching to turn audio theory into reality



Dual-logic circuit technology

The basic design concept is to realize end-to-end symmetry, unifying our wealth of proprietary technologies into a coherent form to achieve the ultimate in sound reproduction. We have chosen the BTL configuration and optimized every aspect of amplifier design from input to output.

Elaborate vibration-suppressing technology

The M700S employ a newly designed cast-aluminum chassis that boasts a high internal loss factor for vibration, eliminating inherent sympathetic vibration at unwanted frequencies. The low-impedance aluminum chassis demonstrates high electric stability.



Simplified first-stage circuitry

True to TAD's long-held design philosophy of "Simple is best", the M700S reduce the number of components needed for the first stage down to a minimum. A pair of FET devices carefully hand-picked by our certified artisans was incorporated into the amplifier's input circuit.

• Power Output: 350 W/ch (1 kHz, 4 Ω), 175 W/ch (1 kHz, 8 Ω) • Rated Distortion: Less than 0.005 % (1kHz, 350 W, 4Ω) • Signal-to-Noise Ratio: More than 125 dB • Frequency Response: 1 Hz to 100 kHz, +0/-3 dB • Gain: 29.5 dB • Input Terminal (Sensitivity/ Impedance): 1.5 V/100 kΩ • Dimensions: 516 mm (W) x 296 mm (H) x 622 mm (D) • Weight: 75.5 kg

DISC PLAYER

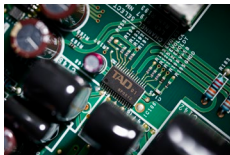
TAD-D700

Pure sound that knows no compromise



Elaborate noise-suppression techniques

The main unit and power supply unit are completely separated to eliminate unwanted transformer vibrations and magnetic flux leakage. To increase the purity of power supply, the internal coil of the transformer is directly connected to the power supply circuit, minimizing the contact points with leading wires.



High-quality precision parts

The D700's custom-made electronic volume control boasts ladder-resistance switching that attenuation deviation beyond measurement limit between R/L ch, and an ultra-low distortion. An independent electronic volume control is provided each to the R/L ch, as well as superb sound-image localization and sound-field reproduction.

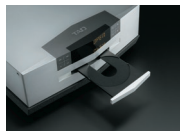
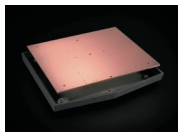


Ultimate D/A conversion accuracy

In order to realize the extreme precision in sound reproduction, the latest "Ultra High C/N* Master Clock UPGC**", which has repeatedly been verified to pursue low phase noise, and a newly designed current feedback amplifier for simplicity are adopted. It faithfully reproduces even the finest nuances of music.

Unprecedentedly rigid structure

The D700 adopts a two-layer structure that combines a cast aluminum chassis with high vibration absorption capability and a copper-plated steel plate. This thoroughly eliminates vibrations that adversely affect sound quality, establishing a solid foundation of sound.



High-precision and high-purity

The main unit and power supply unit are completely separated to eliminate unwanted transformer vibrations and magnetic flux leakage. The newly designed "highly rigid CD/SACD mechanism" and the high-purity power transformer provide a supple and powerful musical experience.

*C/N: Carrier to Noise ratio *UPGC Ultra high Precision Crystal Generator

• Digital audio inputs/ 1 XLR, 1 coaxial • Digital audio output/ 1 XLR, 1 coaxial • Analog audio output/ 1 balanced output, 1 unbalanced output • Output voltage rated value/ 4 V balanced, 2 V unbalanced (1 kHz 0 dB) • S/N ratio/ 115 dB • Frequency Response/ CD: 4 Hz to 20 kHz, SACD:4Hz to 40kHz • Playable Discs/ SACD, CD, CD-R, CD-RW • Power consumption/ 43 W • Power consumption during standby/ 0.5 W • Dimensions/ Main unit: 450mm (W) x 185mm (H) x 440mm (D), Power supply unit: 220mm (W) x 185mm (H) x 430mm (D) • Weight/ Main unit: 26.5 kg, Power supply unit: 14kg

EVOLUTION *Series*

LOUDSPEAKERS

EVOLUTION ONE

NEW

TAD-E1AX-GW / TAD-E1AX-K

Meticulously refined to evoke uncharted emotions

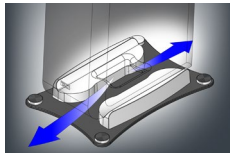


Sound with all its original brilliance

The E1AX employs TAD's proprietary CST* driver concentrically mounted midrange and tweeter. The tweeter is made of vapor-deposited beryllium and the midrange is made of magnesium, and these provide stable sound image localization, a clear soundstage, and natural tonality.

Captivating midrange and precise bass extension

To obtain ideal characteristics as a woofer, the MACC* diaphragm composed of laminated layers of woven aramid fabric and non-woven fabric of different material is adopted. In addition, the magnetic circuit has been refined to achieve exceptional driving power and natural mid-to-low range reproduction.



Rich and natural-sounding bass

The Bidirectional ADP* System features a base-mounted port with front/rear openings and horn-shaped interior, minimizing noise while delivering clear mid-bass. Die-cast aluminum flares and symmetric layout reduce enclosure vibration. A 10mm steel base plate ensures stability against twin woofer forces.



*CST: Coherent Source Transducer *MACC: Multi-Layered Aramid Composite Cone *SILENT: Structurally Inert Laminated Enclosure Technology *Bidirectional ADP: Bidirectional Aero-Dynamic Port

• Type/ 3-way, bass-reflex floor-standing speaker system • Drive units/ Woofer: 16cm cone x 2; Midrange/tweeter: Concentric 9 cm magnesium cone and 2.5 cm beryllium dome • Performance data/ Frequency response: 29Hz to 60kHz; Crossover frequencies: 420 Hz, 2.5 kHz; Maximum input: 200 W; Sensitivity: 88 dB (2.83 V, 1 m); Nominal impedance: 4 Ω; Weight: 54kg per unit; Dimensions: 347 mm (W) x 1,146 mm (H) x 518 mm (D)

MICRO EVOLUTION ONE

TAD-ME1TX-SW / TAD-ME1TX-K

Refined to perfection beyond expectations

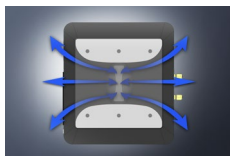


Clear and vivid sound reproduction

The ME1TX employs TAD's proprietary CST* driver concentrically mounted midrange and tweeter. The tweeter is made of vapor-deposited beryllium and the midrange is made of magnesium, and these provide stable sound image localization, a clear soundstage, and natural tonality.

Incredibly expansive Mid-to-Low range

To obtain ideal characteristics as a woofer, the MACC* diaphragm composed of laminated layers of woven aramid fabric and non-woven fabric of different material is adopted. In addition, the magnetic circuit has been refined to achieve exceptional driving power and natural mid-to-low range reproduction.



High-strength enclosure that controls vibration

The SILENT* enclosure that combines high-rigidity birch plywood with high internal loss MDF material realizes high strength and low resonance. It also inherits the Bidirectional ADS* port that achieves smooth air flow, surrounding the room with a rich and powerful soundstage that is unimaginable from its compact body.



*CST: Coherent Source Transducer *MACC: Multi-Layered Aramid Composite Cone *SILENT: Structurally Inert Laminated Enclosure Technology *Bidirectional ADS: Bidirectional Aero-Dynamic Slot

• Type/ 3-way, bass-reflex bookshelf speaker system • Drive units/ Woofer: 16cm cone; Midrange/tweeter: Concentric 9 cm magnesium cone and 2.5 cm beryllium dome • Performance data/ Frequency response: 36Hz to 60kHz; Crossover frequencies: 420 Hz, 2.5 kHz; Maximum input: 150 W; Sensitivity: 85 dB (2.83 V, 1 m); Rated impedance: 4 Ω; Weight: 21kg per unit; Dimensions: 254 mm (W) x 411 mm (H) x 402 mm (D) Optional Speaker Stand TAD-ST3TX • Weight (per unit) : 16 kg • Dimensions (per unit) (without spikes): 376 mm (W) x 642 mm (H) x 437 mm (D)

GRAND EVOLUTION ONE

TAD-GE1-WN

Innovation drives Authenticity

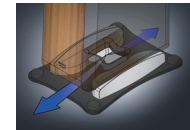


Natural and clear Mid-to-High range

TAD's proprietary concentric CST* drivers utilizing vapor-deposited beryllium and newly developed magnesium reproduce music as it really is. Additionally, ISO* Drive Technology isolates the propagation of mechanical vibrations and delivers crystal clear sound.

Richer and smoother Mid-to-Low range

In pursuit of ideal vibration characteristics, a newly developed MACS II* diaphragm is installed in the woofer. Taking full advantage of the technology cultivated in TAD's professional drivers, it reproduces rich and clear Low and natural Mid-Low.



Bidirectional ADP* System for natural and rich bass

The port throat is located at the bottom of the enclosure with openings at the front and rear, which are horn-shaped from the throat to the aperture. This reduces port noise at large amplitudes, resulting in a clear and responsive mid-low frequency range.



*CST: Coherent Source Transducer *ISO: Isolation *MACS II: Multi-layered Aramid Composite Shell Second Generation *Bidirectional ADP: Bidirectional Aero-Dynamic Port

COMPACT EVOLUTION ONE

TAD-CE1TX-WN / TAD-CE1TX-K

Exquisitely honed to provide an immersive sound-field experience

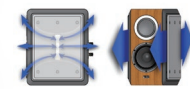


More natural and clear Mid-to-High range

The CE1TX boasts TAD's proprietary concentric CST* driver with vapor-deposited beryllium for tweeter and magnesium for midrange, which localizes sound sources for more natural musical reproduction. This leads to music reproduction as it truly is.

Richer and smoother Mid-to-Low range

We have refined the diaphragm for the woofer to a MACS II* diaphragm with the technology cultivated through TAD's professional drivers. It is made of five layers of woven and non-woven fabric to optimize the vibration characteristics of the shell-shaped diaphragm.



Impressively natural and rich bass

Another innovative approach we have taken to achieving ideal sound is the Bidirectional ADS* Port. It places slit-shaped ports in right and left side-panels with flared openings to the front and rear to allow air to flow smoothly through them.



*CST: Coherent Source Transducer *MACS II: Multi-layered Aramid Composite Shell Second Generation *Bidirectional ADS: Bidirectional Aero-Dynamic Slot

• Type/ 3-way, bass-reflex bookshelf speaker system • Drive units/ Woofer: 18cm cone; Midrange/tweeter: Concentric 14 cm magnesium cone and 3.5 cm beryllium dome • Performance data/ Frequency response: 34Hz to 100kHz; Crossover frequencies: 250 Hz, 1.8 kHz; Maximum input: 200 W; Sensitivity: 85 dB (2.83 V, 1 m); Rated impedance: 4 Ω; Weight: 29kg per unit; Dimensions: 287 mm (W) x 510 mm (H) x 447 mm (D) Optional Speaker Stand TAD-ST2TX • Weight (per unit) : 18.5 kg • Dimensions (per unit) (without spikes): 399 mm (W) x 591 mm (H) x 485 mm (D)

EVOLUTION TWO

TAD-E2-WN

A blend of a serene ambience and acoustic artistry

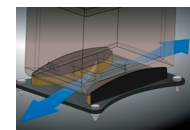


Flawless, brilliant high-frequency details

The TAD-E2 features a tweeter with a 25mm beryllium diaphragm that delivers a polished sound in the mid-to-high frequency range. The directivity of the tweeter is optimally controlled by a newly developed waveguide on which it is mounted.

Powerful expression of clarity in the Mid-to-Low range

The combination of a newly developed MACC* diaphragm and a delta bracing structure incorporated into the twin woofers produces a powerful bass with smooth directivity changes.



Rich, natural bass reproduction

The port positioned on the bottom of the enclosure has openings to the front and the rear, essentially creating a port area the size of a large bass reflex port. This ingenious design lets the air pass through the port more slowly and contributes to a clear sound with a high SNR.



*MACC: Multi-Layered Aramid Composite Cone

• Type/ 2.5-way bass-reflex floor-standing speaker system • Drive units/ Woofer: 15.5 cm cone x 2; Tweeter: 2.5 cm beryllium dome • Performance data/ Frequency response: 30 Hz to 60 kHz; Crossover frequencies: 90 Hz, 2.8 kHz; Maximum input: 150 W; Sensitivity: 87 dB (2.83 V, 1 m); Rated impedance: 6 Ω (Minimum impedance: 4.5 Ω); Weight: 32 kg per unit; Dimensions: 320 mm (W) x 1,085 mm (H) (1,113 mm with spikes) x 405 mm (D)

EVOLUTION *Series*

COMPONENTS



INTEGRATED AMPLIFIER

NEW TAD-A1000-S / TAD-A1000-K

Innovations transform your audio experiences



Uncompromising Symmetry

This preamplification circuit achieves perfect symmetry through meticulous component placement along the chassis centerline, eliminating amplification errors between channels and signal phases. Three power transformers, chassis architecture, and rear connections follow this symmetric philosophy for optimal weight distribution and vibration control.

High-Drive, High-Response Power Supply

Direct-coupled toroidal transformers with circular cores minimize magnetic flux leakage and vibration. Twin transformers paired with proprietary 33,000 μ F capacitors deliver exceptional transient response. The Class-D output stage, utilizing ultra-low resistance FETs in leadless packages, achieves 250W per channel with remarkable efficiency.



Precision-Crafted Premium Volume Control

The volume control exemplifies TAD craftsmanship—precision ball bearings ensure silken rotation that defines high-end audio tactility. Its center placement mirrors the internal circuit symmetry, embodying the Evolution Series design philosophy. Every rotation delivers the exquisite feel expected from exquisite components.

• Power Output: 250 W at 1 kHz, 4 Ω • Rated Distortion: Less than 0.05 % at 1 kHz, 4 Ω 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 k Ω) / 2 unbalanced inputs (50 k Ω) • Power Consumption: 130 W • Standby Power Consumption: Less than 0.5 W or less • Dimensions: 440 mm (W) x 200 mm (H) x 553 mm (D) • Weight: 29 kg

PREAMPLIFIER

TAD-C1000-S / TAD-C1000-K

Bringing every music to life



Purity

The single-stage, current feedback amplifier developed for the Reference Series has been newly developed and installed for this preamplifier. Furthermore, we have strictly tested the first-stage FET device and chosen matching pairs for + and - elements.

Symmetry

The circuit pattern and parts are symmetrically laid out on the audio motherboard to suppress even the smallest amplification errors between + and - signals, as well as between R and L ch. We have even gone so far as to lay out power transformers, the chassis construction, etc.



Elegance

The volume knob has an exquisite look and feel. It is mounted on high-precision ball bearings to ensure an exceptionally smooth and effortless rotation. The center-mounted design of the volume knob signifies the symmetrical layout of the internal circuits.

• Input terminals: 4 balanced, 2 unbalanced • Output terminals: 2 balanced, 2 unbalanced • Rated output voltage: 1.6 V balanced, 0.8V unbalanced • Maximum output voltage: 1.6 V balanced, 0.8V unbalanced • Rated THD: 0.003% • S/N ratio: 120 dB • Frequency response: From 10 Hz to 100 kHz at -1 dB • Power consumption: 26 W (0.5 W or less during standby) • Dimensions: 440 mm (W) x 150 mm (H) x 424 mm (D) • Weight: 17.0 kg

DISC PLAYER

TAD-D1000TX-S / TAD-D1000TX-K

Bring the true beauty of music to life

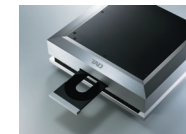


Responsiveness

To convey all the emotion and passion of the music, reproduction must be precise and pure. In pursuit of this philosophy, the unique third-generation USB Communication Engine, Ultra-High C/N* Master Clock UPCG* and discrete I/V conversion circuits are incorporated to achieve flawless accuracy.

Authenticity

All internal parts and circuits are made and laid out with meticulous care and precision. For instance, the power transformer connects its internal coil wire directly to the power supply circuit to comfortably handle the enormous power and speed that high-resolution sound reproduction demands.



Progress

Our efforts to take the design of a unique disc-drive mechanism offers an exceptionally detailed and accurate playback of music. In addition, it serves as a digital media center capable of handling High-Res audio sources in the purest form with its own volume control.

*C/N: Carrier to Noise ratio • UPCG Ultra high Precision Crystal Generator
• Digital audio inputs/ 1 XLR, 2 coaxial, 1 optical, 1 USB (Type B) • USB operating environment/ USB 2.0 high-speed • Digital audio output/ 1 XLR, 1 coaxial • Analog audio output/ 1 balanced output, 1 unbalanced output • Output voltage rated value/ 4 V balanced, 2 V unbalanced (1 kHz 0 dB) • S/N ratio/ 115 dB • Frequency characteristics/ Sampling frequency 88.2 kHz and above: 10 Hz to 40 kHz -1 dB/ Sampling frequency 44.1 kHz: 10 Hz to 20 kHz -1 dB • Power consumption/ 43 W • Power consumption during standby/ 0.5 W or less • Dimensions/ 440mm (W) x 150mm (H) x 406mm (D) • Weight/ 18.5 kg

D/A CONVERTER

TAD-DA1000TX-S / TAD-DA1000TX-K

Listening to recordings exactly as the artists intended



Responsiveness

To convey all the emotion and passion of the music, reproduction must be precise and pure. In pursuit of this philosophy, the unique third-generation USB Communication Engine, Ultra-High C/N* Master Clock UPCG* and discrete I/V conversion circuits are incorporated to achieve flawless accuracy.

Authenticity

All internal parts and circuits are made and laid out with meticulous care and precision. For instance, the power transformer connects its internal coil wire directly to the power supply circuit to comfortably handle the enormous power and speed that high-resolution sound reproduction demands.



Progress

TAD-DA1000TX serves as a digital media center capable of handling High-Res audio sources in the purest form with its own volume control. As an added bonus, it is equipped with a high-quality headphone amplifier driven by an independent power supply and circuit.

*C/N: Carrier to Noise ratio • UPCG Ultra high Precision Crystal Generator
• Digital audio inputs/ 1 XLR, 2 coaxial, 1 optical, 1 USB (Type B) • USB operating environment/ USB 2.0 high-speed • Digital audio output/ 1 XLR, 1 coaxial • Analog audio output/ 1 balanced output, 1 unbalanced output • Output voltage rated value/ 4 V balanced, 2 V unbalanced (1 kHz 0 dB) • S/N ratio/ 115 dB • Frequency characteristics/ Sampling frequency 88.2 kHz and above: 10 Hz to 40 kHz -1 dB/ Sampling frequency 44.1 kHz: 10 Hz to 20 kHz -1 dB • Headphone output/ 1 headphone jack/ Recommended impedance: 8 to 600 Ω / Maximum output: 125 mW +125 mW (at 32 Ω) • Power consumption/ 49 W • Power consumption during standby/ 0.5 W or less • Dimensions/ 440mm (W) x 150mm (H) x 406mm (D) • Weight/ 16.5 kg

EVOLUTION *Series*

COMPONENTS



ACCESSORIES

AUDIO CABLE



POWER AMPLIFIER

TAD-M2500TX-S

Heart-thumping, soul-stirring audio experience like never befor



Perfect symmetry throughout circuitry and layout

We pursued symmetry in circuitry and structure. The amplification circuit adopts the balanced BTL design, in which the L/R amplifiers are completely separate from the input to the output stage. Additionally, The Class-D output stage consisting of power MOSFET devices with ultra-low on-resistance in leadless packages is delivering 550 watts per channel.



Exceptionally high purity and efficiency

To achieve both an overwhelming sense of speed and energy, a large-capacity toroidal power transformer with a newly developed circular core that directly draws out the internal windings is employed. This design improves contact between the core and coils, minimizing unwanted leakage magnetic flux and vibrations.



Meticulous vibration-control design

In order to control vibration that affects the sound, the chassis is machined from a 90kg block of aluminum, effectively eliminating all joints other than connections. This helps stabilize the ground potential and further improving sound purity. Together with supporting feet with a spike structure, it contributes to transparent and dynamic music reproduction.

• Power Output: 550 W at 1 kHz, 4Ω • Rated Distortion: Less than 0.05 % at 1 kHz, 4Ω • Signal-to-Noise Ratio: 112 dB or higher • Frequency Response: 10 Hz to 50 kHz, +0/-3 dB • Gain (Balance): 29.5 dB • Input Terminal (Sensitivity/ Impedance): 1.5 V/100 kΩ (Balance) 0.75 V/ 50 kΩ (Unbalance) • Power Consumption: 250 W • Standby Power Consumption: Less than 0.5 W • Dimensions: 440 mm (W) x 170 mm (H) x 467 mm (D) • Weight: 42 kg

POWER AMPLIFIER

TAD-M1000TX-S / TAD-M1000TX-K

Unleash every breath of inspiration

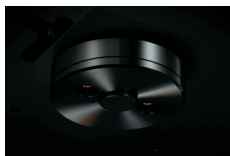


Perfect symmetry translating into absolute precision

We pursued symmetry in circuitry and structure. The amplification circuit adopts the balanced BTL design, in which the L/R amplifiers are completely separate from the input to the output stage. Additionally, The Class-D output stage consisting of power MOSFET devices with ultra-low on-resistance in leadless packages is delivering 500 watts per channel.

Utmost purity and efficiency in power supply

To achieve both an overwhelming sense of speed and energy, a large-capacity toroidal power transformer with a newly developed circular core that directly draws out the internal windings is employed. This design improves contact between the core and coils, minimizing unwanted leakage magnetic flux and vibrations.



Elaborate vibration-control design

TAD-M1000TX is supported by a three-point support structure with internally inverted spikes crafted using a hybrid structure of CRMO (chromium molybdenum) steel, and effectively isolated from external vibrations. This elaborate vibration-control design results in more condensed and energetic audio reproduction with spatial nuance of the music retained intact.

• Power Output: 500 W at 1 kHz, 4Ω • Rated Distortion: Less than 0.05 % at 1 kHz, 4Ω • Signal-to-Noise Ratio: 112 dB or higher • Frequency Response: 10 Hz to 50 kHz, +0/-3 dB • Gain (Balance): 29.5 dB • Input Terminal (Sensitivity/ Impedance): 1.5 V/100 kΩ (Balance) 0.75 V/ 50 kΩ (Unbalance) • Power Consumption: 250 W • Standby Power Consumption: Less than 0.5 W • Dimensions: 440 mm (W) x 148 mm (H) x 479 mm (D) • Weight: 29 kg

AUDIO CABLE

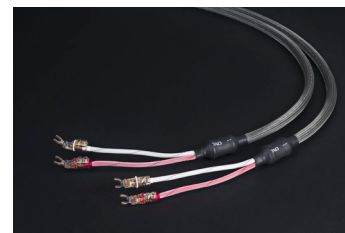


- Oxygen-Free copper wires made by the Dip-Forming process
- These cable have shield structures wound with magnesium alloy foil
- The fabric of the outermost shell of the speaker cable is knitted from 0.25 mm PET (polyethylene terephthalate) monofilament yarn
- The fabric of the outermost shell of the inter cable is knitted from 0.28mm partially fluorinated semi-crystalline polymer (ECTFE) monofilament yarn
- Both fabric can release the cable from the mechanical stresses coming from the installed environment and support pure signal transmission

SPEAKER CABLE



TAD-SC020M
(2.0m)
TAD-SC025M
(2.5m)
TAD-SC030M
(3.0m)



TAD-SC030WT
(3.0m)



- A : WBT-manufactured WBT-0681 Cu spade terminal (SC030WT)
Robust pure copper cutting Rolled plated Y lug terminal (SC020M/SC025M/SC030M)
B : Pure magnesium cutting filter
C : Exterior braid knitted from 0.25 mm polyethylene terephthalate monofilament yarn
D : Mg Shield for each conductor shield structure
E : DF-OFC Extra fine stranded wire

TAD-SC030WT

- Equipped with WBT-manufactured pure copper spade terminals, it achieves superior contact performance. It minimizes noise and distortion at the point of contact, resulting in crystal-clear sound.
- This cable features a dip-forming oxygen-free copper conductor, crafted using a refined manufacturing process. A faithful soundstage spreads out in profound quietness.
- A refined magnesium alloy foil shields the conductor, significantly reducing noise with excellent noise-blocking properties. It leads to an expansion of the dynamic range.

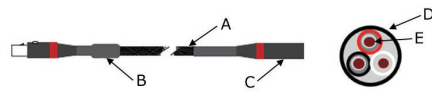
INTER CONNECT CABLE



TAD-IC010XM
(1.0m /XLR)
TAD-IC015XM
(1.5m /XLR)



TAD-IC015XMLTD
(1.5m /XLR)



- A : Exterior braid knitted from 0.28mm partially fluorinated ECTFE monofilament yarn
B : Magnesium alloy filter
C : NEUTRIK NC3FXX (IC010XM/IC015XM), NEUTRIK XX-HE (IC015XMLTD)
D : Mg Shield for each conductor shield structure
E : DF-OFC Extra fine stranded wire

TAD-IC015XMLTD - Limited Edition -

A XX-HE series cable connector manufactured by NEUTRIK with high quality Velour-Chromium plating on the housing is newly employed. A hollowed-out structure by machining is adopted for the female contact part, and the heat resistance of the plastic material is greatly improved to achieve stable signal transmission. Based on the Standard Edition, sound quality has been improved through refined details.

PROFESSIONAL

UNIT SPEAKERS



Since their introduction, TAD professional driver units have been selected for demanding professional audio applications worldwide—from recording studio monitors to concert hall sound systems—where the highest standards of sound reproduction are required.

Low Frequency Speakers

TL-1601b



- The TL-1601b builds on the proven technology of the legendary TL-1601a while incorporating an advanced high-power-handling design for digital audio applications.
- A thermal-management design channels airflow through the frame and magnetic circuit, enabling a maximum input power of 500 W.
- A highly linear suspension and long-travel voice coil deliver 97.5 dB sensitivity with low distortion at high output levels.

Specifications

Dimensions	φ400 mm × 191 mm (D)	Rated Impedance	8 Ω
Weight	13 kg	Frequency Range	28 Hz–2,000 Hz
Magnetic Flux Density	1.24 T	Crossover Frequency	900 Hz or lower (Recommended)
Total Magnetic Flux	2.77 × 10 ⁻³ Wb	Rated Input Power	200 W
Diaphragm Repair Parts	DP-1603	Maximum Input Power	500 W

Sound Pressure Level	97.5 dB at 1 W, 1 m
Enclosure	113–304 liter (Recommended)
Mounting Information	Baffle Opening Diameter: 352 mm Mounting Dimensions: 370 mm

Low Frequency Speakers

TL-1801



- The TL-1801 is a 460 mm large-format woofer combining a maximum input power of 800 W with a frequency range of 26 Hz–2,000 Hz, making it suitable for two-way system.
- A high-rigidity pulp cone reinforced with aramid fiber is laminated with polymer film and surface-treated for water repellence, helping reduce sound-quality degradation caused by cone breakup.
- A ferrite magnetic circuit with a flux density of 1.12 T is paired with a 100 mm diameter voice coil wound edgewise with oxygen-free copper ribbon. Its 23 mm winding depth allows a 15 mm peak-to-peak excursion without reducing driving force.

Specifications

Dimensions	φ464 mm × 176 mm (D)	Rated Impedance	8 Ω
Weight	12.6 kg	Frequency Range	26 Hz–2,000 Hz
Magnetic Flux Density	1.12 T	Crossover Frequency	800 Hz or lower (Recommended)
Total Magnetic Flux	2.82 × 10 ⁻³ Wb	Rated Input Power	200 W
Diaphragm Repair Parts	DP-1801	Maximum Input Power	800 W

Sound Pressure Level	96.5 dB at 1 W, 1 m
Enclosure	170–500 liter (Recommended)
Mounting Information	Baffle Opening Diameter: 426 mm Mounting Dimensions: 441 mm

Notes on TAD Professional Driver Units

- All dimensions are maximum external measurements and include protrusions and terminals.
- Specifications and appearance are subject to change without notice.
- Diaphragm replacement requires specialized knowledge, skills, and tools.
- We assume no liability for damage or loss of performance resulting from repairs or modifications performed by customers.

Super High Frequency Loudspeaker

ET-703a



Specifications

Dimensions	φ80 mm × 74 mm (D)	Rated Impedance	8 Ω
Weight	1.1 kg	Voice Coil Diameter	35 mm
Magnetic Flux Density	2.0 T	Frequency Range	5,000 Hz–45,000 Hz
Total Magnetic Flux	4.0 × 10 ⁻⁴ Wb	Rated Input Power	15 W [for crossover frequency]
Diaphragm Repair Parts	SXE-503	Maximum Input Power	30 W [at 5 kHz, -12 dB/oct]

- The ET-703a uses a vapor-deposited pure beryllium diaphragm with an integrated surround, extending response to 45 kHz while delivering excellent transient response and high resolution.
- The rear-compression design maintains phase coherence for transparent, extended treble.
- A precision-machined three-slit phasing plug provides smooth response and high resolution at ultra-high frequencies.

- An edge-wound voice coil made of anodized pure aluminum maximizes efficiency, while heat-resistant bobbin materials and adhesives support long-term stability.
- A powerful magnetic circuit combines a samarium-cobalt magnet with a pole yoke and plate made of ultra-low-carbon, low-impurity electromagnetic soft iron.

Sound Pressure Level	107 dB at 1 W, 1 m
Crossover Frequency	5,000 Hz or higher (-12 dB/oct or higher)
Phasing Plug	3-slit rear compression type
Mounting	On the Baffle: Opening Diameter: 81 mm / Mounting Pitch: 98 mm On the Enclosure: 25 mm (for two wood screws)

High Frequency Driver

TD-4001



Specifications

Dimensions	φ178 mm × 155.5 mm (D)	Rated Impedance	16 Ω
Weight	12.6 kg	Voice Coil Diameter	101 mm
Magnetic Flux Density	2.0 T	Frequency Range	600 Hz–20,000 Hz
Total Magnetic Flux	2.28 × 10 ⁻³ Wb	Rated Input Power	30 W (600 Hz, -12 dB/oct)
Diaphragm Repair Parts	DP-4001	Maximum Input Power	60 W (600 Hz, -12 dB/oct)

- The TD-4001 employs a large-format pure beryllium diaphragm with an integrated surround to deliver high efficiency, wide bandwidth, and low distortion.
- A 2.0 T alnico magnetic circuit is paired with a computer-designed and precision-machined five-slit phasing plug.

- A 101 mm diameter edge-wound aluminum voice coil with a heat-resistant polyimide bobbin provides high efficiency, stability, and reliability.

Sound Pressure Level	110 dB at 1 W, 1 m
Crossover Frequency	600 Hz or higher (-12 dB/oct or higher)
Phasing Plug	5-slit rear type
Hole Size	49.2 mm for Throat Connection
Mounting Dimensions	101.6 mm (4 holes)

High Frequency Driver

TD-2002



Specifications

Dimensions	φ141 mm × 137 mm (D)	Rated Impedance	8 Ω
Weight	6.9 kg	Voice Coil Diameter	48 mm
Magnetic Flux Density	1.95 T	Frequency Range	800 Hz–22,000 Hz
Total Magnetic Flux	7.42 × 10 ⁻⁴ Wb	Rated Input Power	10 W (800 Hz, -12 dB/oct)
Diaphragm Repair Parts	SXV1005	Maximum Input Power	40 W (800 Hz, -12 dB/oct)

- The TD-2002 uses a lightweight, high-rigidity 48 mm diaphragm made of high-purity beryllium to deliver a flat response, high resolution, and excellent transient response.
- A powerful internal magnetic circuit with an alnico magnet maintains low distortion and linear response into the ultra-high-frequency range.

- Direct Power Coupling connects the input leads directly to the diaphragm assembly, reducing unwanted resonance caused by alternating-current interference.
- A precision-machined three-slit phasing plug improves high-frequency response and resolution.

Sound Pressure Level	111 dB at 1 W, 1 m
Crossover Frequency	800 Hz or higher (-12 dB/oct or higher)
Phasing Plug	3-slit rear type
Hole Size	25.4 mm for Throat Connection
Mounting Dimensions	57.2 mm (3 holes) / 76.2 mm (4 holes)

THE TRAIL OF BEING TRUE TO INTENTIONS OF MUSICIANS



Pioneer Corporation has been in the audio business for more than 80 years since 1937, when it introduced the A-8, the industry’s first dynamic speaker in Japan. Since debuting in 1978, TAD speakers, originally developed by Pioneer, have won the hearts and minds of thousands of top-rated musicians and sound engineers around the world and found themselves in famed recording studios, concert halls, and movie theaters.

In 2007, TADL was spun off from Pioneer to extend the TAD brand’s acclaim, engineering excellence, and design philosophy into the consumer market. Since its founding, TADL has been at the forefront of the high-end audio industry, bringing out one innovative audio product after another, all of which have been fascinating audiophiles and critics around the world.

The philosophy that the TAD brand has upheld for more than 40 years can be summed up as “genuine technology is true to the basics and that genuine technology places greater importance on sound quality than on technology for its own sake.”

For years to come, we will continue to create high-end audio products that are true to intentions of musicians and that deliver a truly immersive, soul-stirring music-listening experience to proud owners.

CHRONOLOGY

1937	Pioneer founder, Nozomu Matsumoto, develops the A-8 dynamic speaker.
1938	Fukuin Shokai Denki Seisakusho (precursor of Pioneer) established in Tokyo.
1961	Fukuin Seisakusho changes trade name to Pioneer Electronic Corporation.
1975	The TAD Project launched to develop professional speakers.
1976	The SPEC15L horn driver, featuring the world’s first beryllium diaphragm, released.
1978	The TD-2001 and TD-4001 drivers unveiled at AES.
1979	The first TAD-branded speaker units TD-1602, TD-4001, TL-1601, and TL-1602 released.
1981	The TM-1201 released.
1982	The TL-1601a released.
1983	The TSM-1 and TSM-2 released.
1987	The TL-1601b released.
1990	The TM-1201H and the TL-1801 released.
1997	The TL-1601c, the TL-1102, the TD-4003 and the TD-2002 released.
2003	The TAD-M1 with the CST Driver, the first TAD-branded speaker system for consumer use, released.
2007	Technical Audio Devices Laboratories, Inc. established. The TAD-R1, the first Reference Series speaker system, released.
2009	The TAD-M600, the first Reference Series audio component, released. The TAD-CR1 released.
2010	The TAD-M4300 and TAD-2500, the first Evolution Series audio components, released. The TAD-D600 released.
2011	The TAD-E1, the first Evolution Series speaker system, released. The TAD-C2000 and TAD-C600 released.
2012	The TAD-R1MK2 and TAD-CR1MK2 released.
2013	The TAD-D1000 and the TAD-DA1000 released.
2014	The TAD-CE1 released.
2015	The TAD-D1000MK2 and the TAD-M2500MK2 released.
2016	The TAD-ME1 released.
2018	The TAD-M1000 and the TAD-E1TX released.
2019	The TAD-R1TX, the TAD-M700, and the TAD-M700S released.
2020	The TAD-CR1TX released.
2021	The TAD-E2, the TAD-D1000TX, and the TAD-DA1000TX released.
2022	The TAD-CE1TX released.
2023	The TAD-D700, the TAD-GE1, the TAD-CE1TX-K, the TAD-C1000, and the ET-703a released.
2024	The TAD-C700, the TAD-M1000TX and the TAD-R1TXLTD released.
2025	The TAD-ME1TX, the TAD-M2500TX, the TAD-A1000 and the TAD-E1AX released.



1937 / A-8



1979 / TD-4001



1983 / TSM-1



2003 / TAD-M1



2009 / TAD-M600