

TAD

TECHNICAL AUDIO DEVICES LABORATORIES, INC.



SPEAKER SYSTEM
Compact Evolution One
TAD-CE1TX

TAD Compact Evolution One TX Specifications

•Model No./ TAD-CE1TX-WN •Type/ 3-way, bass-reflex bookshelf speaker system •Drive units/ Woofer: 18cm (7 1/16 in.) cone; Midrange/tweeter: Coaxial 14 cm (5 1/2 in.) magnesium cone and 3.5 cm (1 3/8 in.) 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); Nominal impedance: 4 Ω; Weight: 29kg (63.9 lb) per unit; Dimensions: 287 mm (11 5/16 in.) (W) x 510 mm (20 1/16 in.) (H) x 447 (17 5/8 in.) mm (D) •Accessories/ Woofer grille, 2 short cables, 4 non-slip pads, cleaning cloth, owner's manual

TAD-CE1TX Optional Speaker Stand

•Model No./ TAD-ST2TX-K (2 units per package) •Weight (per unit) : 18.5 kg (40.8 lb) •Dimensions (per unit) (with no spikes attached): 399 mm (15 11/16 in.) (W) x 591 mm (23 1/4 in.) (H) x 485 mm (19 15/16 in.) (D) •Accessories (for 2 units)/ 6 cone-shaped spikes, 4 auxiliary feet, 6 spike holders, 6 cork sheets, 16 assembly screws, 4 screws for securing the bottom of the speaker to the strut, owner's manual

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TAD

Evolution Series



SPEAKER SYSTEM
Compact Evolution One

Exquisitely Honed to Provide an Immersive Sound-Field Experience

The critically acclaimed TAD-CE1 speaker system was known for its innovative design inside and out to reproduce musical sounds down to the last detail of the original-without adding or subtracting anything that might alter the subtleties and nuances intended by recording artists and producers. We have taken the already impressive performance of the CE1 to the next level when designing the new TAD-CE1TX-by incorporating refinements and innovations inside and out.

The TAD-CE1TX gives a whole new meaning to the two-channel reproduction of music. The CE1TX combines the pinpoint localization of sound images with three-dimension-like sound-field reproduction between the right- and left-channel speakers to create a “being-there” experience for a listener. You would feel as if you were in a recording studio, listening to musicians play their parts. The CE1TX has exquisitely honed its quality to provide an immersive sound-field experience to you.

More natural and clearer mid-to-high frequency range

The CE1TX boasts TAD's proprietary CST (Coherent Source Transducer) Driver, which localizes sound sources for more natural musical reproduction. In this ingenious design, the directivity of the concentrically mounted midrange and tweeter is finely controlled and perfectly aligned to eliminate even the smallest disruption of sound. Just like tweeters found in TAD's top-of-the-line R1TX and CR1TX speaker systems, the CE1TX's tweeter uses a beryllium diaphragm manufactured with our proprietary vapor-deposition technique. The midrange features a newly developed diaphragm made of magnesium, which reproduces a clearer, distortion-free midrange. The result is consistent sound image localization and a natural sound field reproduction over a ultra-wide frequency range from 250 Hz to 100 kHz.



Richer and smoother mid-to-low frequency range

We have upgraded the diaphragm for the 18 cm woofer to a MACS II* diaphragm. It is made of five layers of woven and non-woven fabric to optimize the vibration characteristics of the shell-shaped diaphragm that integrates the center cap and cone into a single piece. Other ingenious woofer design features include a molded rear cradle that fully conveys the powerful driving force of the large neodymium magnet, and the turbulence-suppressing aerodynamic design of the rear side. Our attention to detail even extends to the material, configuration, and finish of the surround: The corrugated surround is coated with damping material, which is also found in our professional speaker units. All these refinements have resulted in a richer and clearer bass and the smooth, coloration-free reproduction in the mid-to-low frequency range.



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 (ducts) in right and left side-panels with flared openings to the front and rear to allow air to flow smoothly through them. The symmetrically placed port openings, both laterally and along the front-rear axis, reduce port noise and keep internal standing waves from escaping from the ports. You will be amazed at how such a compact speaker can deliver a roomful of rich, powerful bass.

*Aero-Dynamic Slot

