

# 8" Two-Way All-Purpose Loudspeaker



# CA-800T

Perfect for foreground or background distributed sound applications in indoor or outdoor residential, commercial or recreational environments, the new compact, full-range 70-volt CA-800T loudspeaker was designed for those who know better than to expect mediocre output.

Building on the success of our popular CA-8T model, which has been used in a countless number of high-profile installations all over the U.S., the CA-800T version features enhanced cosmetics, added mounting flexibility and even better performance.

For efficiency and reliability, the CA-800T has been re-voiced and employs a high-power, extended range low frequency driver. It features an 8-inch IMG cone woofer and 1-inch titanium dome tweeter coupled to a square-mouth 90-degree by 90-degree Tractrix® Horn, which allows the speaker to be mounted horizontally or vertically without affecting the coverage pattern.

Available in black or white, this speaker has a durable UV-resistant all-weather enclosure that includes an internal multi-tap transformer with expanded range and a switchable direct 8-ohm bypass. The tap settings for the CA-800T at 70V are 60W, 30W, 15W, 7.5W and 3.7W. The added 3.7W tap setting offers further placement flexibility. The settings for 100V are 60W, 30W, 15W and 7.5W.

The included heavy gauge zinc C-bracket provides added mounting strength. It attaches to the enclosure's integral "center-of-gravity balanced" threaded studs that are positioned inside the speaker and to the oversized knobs, ensuring positive position-lock. Connections are provided via four-position barrier strips. This allows an installer to use two connectors for inputs and two for pass-throughs, making it easier to daisy chain.

The CA-800T's updated grille design stays securely fastened and incorporates a new paint formulation for increased weather resistance and years of maintenance-free protection regardless of the climate or environment. The speaker's improved input cup allows for easier drainage and the added 3/8"-16 threaded insert for use with optional mounts offers better placement flexibility.

- Paintable UV-resistant ABS enclosure with rustproof aluminum grille
- Very high sensitivity and power handling
- Built-in 60-watt, 70V/100V multi-tap transformer with 8-ohm bypass
- 90° x 90° Tractrix Horn tweeter for clean, clear highs
- Supplied with C-style mounting bracket and stainless steel hardware

## SPECIFICATIONS

FREQUENCY RESPONSE <sup>1</sup>	64-17.5kHz ± 4dB
POWER HANDLING <sup>2</sup>	100W (21V)
MAX CONTINUOUS OUTPUT <sup>3</sup>	113dB
SENSITIVITY (2.83V/1M) <sup>4</sup>	96dB
HORIZONTAL COVERAGE	90° ± 40 1.2kHz-20kHz
VERTICAL COVERAGE	90° ± 30 1kHz-20kHz
DI	7 ± 2.5dB 700Hz-20kHz
Q	5
NOMINAL IMPEDANCE	8 ohms (4.5 ohm min @167Hz)
CROSSOVER	1.9kHz with 12dB/Octave high-pass 12dB/Octave low-pass
TRANSDUCERS	One K-1183-A 8" woofer with IMG Cone One K-150-A 1" titanium diaphragm compression driver
ENCLOSURE TUNING	Vented System via front firing ports
ENCLOSURE MATERIAL	All-weather ABS plastic, paintable
INPUT CONNECTORS	4 position terminal strip
TRANSFORMER TAPS	70V: 60W, 30W, 15W, 7.5W, 3.75W 100V: 60W, 30W, 15W, 7.5W, 3.75W Through Position: 8 ohms
HEIGHT	11.125" (28.26cm)
WIDTH	16.375" (41.53cm)
DEPTH	12.31" (31.27cm)
WEIGHT	18 lbs. (8.16kg)

<sup>1</sup> 3M, half space anechoic

<sup>2</sup> AES standard, continuous pink noise 50Hz-10Hz, 6dB peaks

<sup>3</sup> Calculated at 1M at power handling power input

<sup>4</sup> SPL at 1M, half-space anechoic with 2.83V input

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