

6.5" Two-Way In-Ceiling Loudspeaker



IC-6T

Rugged, compact, and easy-to-install, the IC-6T is an excellent choice for distributed-music systems and other applications requiring unobtrusive, high-quality loudspeakers with high output capability. Its integrated, zinc-plated steel back can and multi-tap transformer allow quick installation and configuration — all you need is a screwdriver. A rotary switch conveniently located behind the grille allows instant choice of 70-volt (7.5- to 60-watt), 100-volt (15- to 60-watt), or conventional 16-ohm operation. The housing is compatible with standard 0.5- and 0.75-inch conduit fittings, which are supplied along with support rings for use in conventional ceiling materials and an adjustable tile bridge that facilitates placement in suspended ceilings. Combined with excellent sound, very good sensitivity, and high power-handling capability, these features make the IC-6T an ideal speaker for new or retrofit installation in stores, offices, and other venues demanding tasteful appearance, pleasing sound, and total reliability.

The IC-6T's rigid, low-resonance cast-polymer woofer frame and 6.5-inch injection-molded graphite cone deliver strong, clean bass in any environment. And its coaxially mounted 1-inch aluminum-dome compression driver tweeter is mated to a 90° x 90° Klipsch Tractrix® Horn that can be swiveled ±15° to focus sound where needed and compensate for acoustical problems, opening up a wider range of acceptable placements.

The IC-6T complies with all applicable fire and electrical standards, including UL 1480 and UL 2043. Its white frame and rustproof, powder-coated aluminum grille can be painted to match the ceiling. High-quality components and superior construction assure long, trouble-free service.

- Integrated steel back can and 60-watt multi-tap transformer
- 70-volt, 100-volt, or 16-ohm operation selectable via front baffle switch
- Swiveling Tractrix Horn tweeter for clear sound in any location
- Rugged cast-polymer woofer frame
- Supplied with standard conduit fittings and tile bridge

SPECIFICATIONS

BANDWIDTH ¹	85Hz-20kHz ± 4dB
POWER HANDLING ²	85 watts (34.5V)
MAX CONTINUOUS OUTPUT ³	106dB
SENSITIVITY 2.83 V/1M ⁴	84.5dB
SENSITIVITY 1W/1M ⁴	91dB
TRANSFORMER TAPS	70V: 60W, 30W, 15W, 7.5W 100V: 60W, 30W, 15W Through Position: 16 ohms
DISPERSION ANGLE	90° Conical
DI	8dB
Q	6.3
NOMINAL IMPEDANCE	16 ohms, 12 ohms minimum @ 20Hz
INPUT CONNECTOR	Barrier Strip
DIAMETER	11.188" (28.4cm)
CUTOUT DIAMETER	9.75" (24.8cm)
MOUNTING DEPTH	11.25" (29.8cm)
CAN DEPTH	11.5" (29.2cm)
WEIGHT	9.25 lbs. (4.2kg)
FINISH	White
INSTALLATION KIT	R-800-IK

¹ 3M, half space anechoic

² AES standard, continuous pink noise 50Hz-10Hz, 6dB peaks

³ Calculated at 1M at power handling power input

⁴ Half space anechoic



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