

6.5" Two-Way Pivoting In-Ceiling Loudspeaker



CDT-5650-C

With integrated whole-house audio systems becoming more popular than ever, Klipsch designed the CDT-5650-C to meet the market's demand for a high-performance in-ceiling loudspeaker that easily challenges the inherent limitations of fixed locations.

Thanks to a new patent-pending gimbal mechanism, known as Controlled Dispersion Technology™ (CDT), both the high and low frequencies of the CDT-5650-C can be directed towards the listening area. Because the tweeter is independently adjustable from the woofer, this speaker offers even more precise localization.

The CDT-5650-C features a 1-inch titanium tweeter mated to a swiveling 100-degree Tractrix® Horn. This swiveling horn design dramatically increases efficiency by enabling the speaker to produce more output using less energy. Additionally, a horn-loaded tweeter works well in instances where you want to point the sound to a specific location because it has more controlled directivity than a conventional dome tweeter.

The speaker's 6.5-inch Cerametallic™ woofer also has great positioning capabilities. It can rotate a full 360 degrees and then shift 15 degrees in any direction. This flexibility combined with the swiveling tweeter puts you in complete control of where the sound will go. Other professional grade features, such as a premium network and treble and bass contour switches, help the CDT-5650-C establish a new benchmark in architectural audio excellence.

Available in a white finish, the paintable CDT-5650-C can be paired with a Klipsch IK-650-C installation kit (sold separately). This revolutionary kit design incorporates a mud ring, breakaway wire tie and color-coded brackets for easy speaker size identification. It also includes perforated metal wings that easily fasten to the studs via screws, staples or nails. Painted white for easy marking and placement, these metal wings can be folded around the edge of the studs if necessary.

- High sensitivity and power handling
- Swiveling Tractrix Horn compression driver tweeter and Cerametallic cone woofer
- Treble and midbass attenuation switches
- Paintable to blend with ceiling

SPECIFICATIONS

FREQUENCY RESPONSE	60Hz-20kHz ± 3dB
SENSITIVITY	95dB @ 1 watt/1 meter
NOMINAL IMPEDANCE	8 ohms
CROSSOVER FREQUENCY	2440Hz
POWER HANDLING	50 watts (200 watts peak)
ENCLOSURE TYPE	ABS/ Infinite baffle, front flush with ceiling
DRIVE COMPONENTS	Two-way system using one 1"(2.5cm) titanium dome compression tweeter with a swiveling 100° Asymetrical Tractrix Horn and one 6.5" (16.5cm) pivoting aluminum cone woofer
WIRE GAUGE ACCOMMODATED	12
WEIGHT	7.0 lbs. (3.2kg)
DIAMETER	9.5" (24.1cm)
MOUNTING DEPTH	4.5" (11.4cm)
CUTOUT DIMENSIONS	8.3" (21cm)
INSTALLATION KIT	IK-650-C (sold separately)
FIRE RELATED ENCLOSURE	ME-650-C (sold separately)

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