

CDT-5650-C II



UPDATED WITH THE LATEST TECHNOLOGY

The Klipsch CDT-5800-C II maintains the core technology use of a premium 1" Titanium compression driver (tweeter) mated to an exclusive Tractrix® Horn combined with a 6.5" Cerametallic™ woofer in a 2-way design. Now with a new low-profile, more elegant grille and refinements to both high frequency and low frequency reproduction, it continues as a high-performance choice for everything from 2-channel music playback to full, large room surround sound use.

THE UPDATE FOR YOUR EYES: THE NEW SLIMTRIM™ GRILLE

With an all new grille, the visible frame size is reduced by 90% and grille depth is reduced by 80% over the previous design, for a more edge-to-edge consistent look that blends in with the wall more attractively. The new aluminum, paintable, magnetic grille attaches tightly and securely with ease to virtually eliminate resonant distortion.

KLIPSCH EXCLUSIVE CONTROLLED DISPERSION TECHNOLOGY® (CDT)

Klipsch horn-loaded technology increases acoustic output while significantly reducing distortion. Proprietary Controlled Dispersion Technology allows for both the symmetrical, 100° Tractrix Horn compression driver (tweeter) and woofer to be independently aimed toward the main listening area. The tweeter swivels while the woofer rotates 360° and pivots 15° in any direction. The precisely controlled dispersion of the horn-loaded tweeter assures that high frequencies are more effectively directed towards the listening area than typical amiable, broad dispersion, standard dome tweeters. This, combined with the woofer's ability to also direct more narrowly dispersed midbass frequencies, yields overall sound with more lifelike impact, greater detail and better vocal clarity.

TITANIUM DIAPHRAGM COMPRESSION DRIVER (TWEETER) WITH LINEAR TRAVEL SUSPENSION (LTS)

Combined with the Tractrix Horn, the one-inch, solid-formed, very lightweight metallic diaphragm works in conjunction with a precise phasing plug at the horn throat to create a highly efficient driver with excellent transient response and lack of distortion. The new Linear Travel Suspension assures the most precise diaphragm excursion, increasing high-frequency detail and smoothness.

MACHINE-SPUN CERAMETALLIC™ WOOFER

The solid Aluminum diaphragm, anodized to add stiffness and provide perfect damping, has a new hi-tech look that also delivers increased rigidity for even tighter, more defined bass. The new integrated dust cap further strengthens the cone and helps ventilate the voice coil for increased driver durability.

PREMIUM, HIGH DEFINITION NETWORK

The perfect blending between drivers for full bandwidth balanced response.

TREBLE AND MIDBASS ATTENUATION SWITCHES

Allows reduction of high and/or low frequency output in challenging install applications such as overly reflective rooms or corner placement, allowing a better frequency balance.

SURE-GRIP MOUNTING DOGS

Provide even pressure against drywall for long-term installation reliability.

COMPATIBLE WITH THE KLIPSCH IK-650-C INSTALL KIT

For increased mounting flexibility and pre-install marking during new construction.

COMPATIBLE WITH THE KLIPSCH ME-650-C FIRE-RATED SPEAKER ENCLOSURE

For meeting building codes and/or reduction of transferred sound between rooms.

SPECIFICATIONS

FREQUENCY RESPONSE	63Hz - 23KHz +/- 3dB
SENSITIVITY	94dB @ 2.83V / 1m
NOMINAL IMPEDANCE	8 ohms compatible
CROSSOVER FREQUENCY	2440Hz
POWER HANDLING	50W RMS / 200W Peak
RECOMMENDED AMPLIFIER POWER	100 W
HIGH FREQUENCY DRIVER	1" (2.54cm) titanium diaphragm compression driver mated to a swiveling 100° round Tractrix® Horn
LOW FREQUENCY DRIVER	6.5" (16.51cm) pivoting Cerametallic™ cone woofer
ENCLOSURE MATERIAL/TYPE	ABS/Infinite baffle, front flush with wall
WIRE GAUGE ACCOMMODATED	12 ga
DIAMETER	9.5" (24.13cm)
CUTOUT DIMENSIONS	8.3" (21.08cm)
MOUNTING DEPTH	4.5" (11.43cm)
WEIGHT	7 lbs. (3.18kg)
FINISH	White paintable frame and grille
INSTALLATION KIT	IK-650-C (sold separately)
FIRE RATED ENCLOSURE	ME-650-C (sold separately)
BUILT FROM	2012

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