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 life-like 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 MIDDIBASS 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.

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