

CPL™ + Series

CPL™ 10⁺ - 2-way Passive Speaker



Description

The Crest Audio CPL 10⁺ is a compact passive two-way loudspeaker designed for music playback, public address and live performance reinforcement applications where space is at a premium.

The CPL 10⁺ can be utilized for both permanent installations and portable live sound applications. Perfect for public address, monitoring and background audio reinforcement purposes typically required in houses of worship, clubs, bars/restaurants, retail outlets plus education and corporate meeting facilities or anywhere high quality discrete audio distribution is required.

The CPL 10⁺ is equipped with a premium 10 inch woofer having a 2.5 inch voice coil together with a 1 inch exit compression driver known for its smooth frequency response and non-fatiguing mid range. Directivity pattern of the loudspeaker is measured at 90° horizontal and 60° vertical providing a wide yet well controlled audio coverage. An internal advanced crossover network maintains EQ and driver protection. Impedance of the loudspeaker is 8 Ohms allowing for easy daisy chaining. Connectivity is made via either looping 4-pin twist-lock or 4-pin Euroblock connectors.

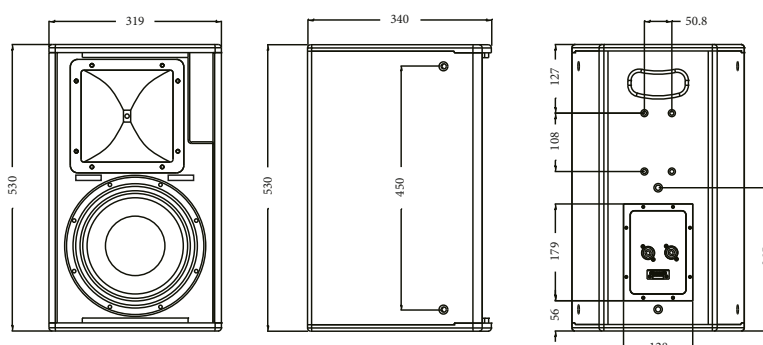
The CPL 10⁺ enclosure is built from prime-grade 15 mm plywood that offers sturdy mechanical and low resonant electro-acoustic characteristics together with a heavy-duty steel grille backed with acoustic foam to ensure maximum protection of the internal components. The loudspeaker is equipped with a total of 16 threaded suspension points offering multiple mounting options for various applications. Available in durable black and white finish.

Features

- Compact passive two-way loudspeaker
- Premium 10" woofer, 2.5" voice coil
- 1" Compression driver, 1.4" voice coil
- Continuous power handling: 300 Watts
- Nominal impedance: 8 Ohms
- Coverage pattern (HxV): 90° x 60° (Rotatable Horn)
- Connectors: 2 x 4-pin twist-lock & 4-pin Euroblock
- 2+/- Loop Through
- Advanced crossover network
- Tweeter protection
- 15 mm Plywood construction
- Textured polyurea paint
- 12 x M8 suspension points (3 top, 3 bottom, 2 each side, 2 rear)
- 4 x M6 suspension points for Peavey® Versamount™ 35
- Available in Black and White

Configuration:	2-way Passive Speaker	Pole Mount:	Optional with special adapter
Power Continuous (Watts):	300	U-Bracket:	Optional
Power Peak (Watts):	1,200	Enclosure Design:	Trapezoidal
Sensitivity (1W/1m):	96 dB	Enclosure Material:	0.6" (15 mm) Plywood
Max SPL Peak:	126 dB	Black Finish:	Textured Polyurea Paint
LF Driver:	1 x 10" (250 mm) - Crest Audio CPL10E2	RAL #:	9004 Signal Black (Pantone: Black 6)
Woofer Voice Coil:	2.5" (65 mm)	White Finish:	Textured Polyurea Paint
HF Driver:	1 x 1" (25.4 mm) - Crest Audio HF36FP1	RAL #:	9003 Signal White (Pantone: 705)
HF Driver Voice Coil:	1.4" (36 mm)	Tweeter Protection:	Yes
Nominal Coverage (HxV):	90° x 60° (Rotatable)	Rubber Feet:	Yes (not mounted)
Frequency Range (-10 dB):	51 Hz - 20 kHz	Handles:	Yes (1 x Top Rear)
Frequency Response (±3 dB):	88 Hz - 20 kHz	Loop Thru (2+/2-):	Yes
Nominal Impedance:	8 Ohms	Logo Position on Grille:	Bottom Center
Input Connectors 1:	2 x 4-pin twist-lock (NL-4 style)	Logo Size:	25 x 25 mm
Input Connectors 2:	1 x 4-pin Euroblock	Grille Foam Backing:	Yes (acoustically transparent)
Suspension Points:	12 x M8	Grille Mesh Size (mm):	3 x 12
Suspension Points Location:	3 x Top, 3 x Bottom, 2 x Left, 2 x Right, 2 x Rear	Monitor Tilt Angle:	No
Suspension Points Rear:	4 x M6 (for optional Versamount 35)	Net Weight:	33 lbs (15 kg)
Mounting Points for U-Bracket:	Yes (2 x M8 - Top & Bottom)	Dimensions (HWD):	20.87" x 12.56" x 13.39" (530 x 319 x 340 mm)

Dimensions



Accessories



Architect's & Engineer's Specifications

The compact loudspeaker shall consist of a 10 inch (250 mm) low frequency transducer with 2.5 inch (65 mm) voice coil and a 1 inch (25.4 mm) exit compression driver with a 1.4 inch (36 mm) voice coil and a frequency dividing network installed within the enclosure.

Performance specifications of a typical production unit shall be: Measured sensitivity SPL at 1 m (3.3ft) with 2.83V input, shall be 96 dB-SPL. Usable frequency response shall extend from 51 Hz to 20 kHz (10 dB below rated sensitivity, in full space, with no external equalization). Nominal impedance shall be 8 Ohms. Rated power capacity shall be at least 300 Watts continuous power and 1,200 Watts peak power, defined as 6 dB above a test signal of filtered random noise.

The system shall be protected against damage from occasional over-powering limiting the power to the network and transducers. The compression driver shall be capable of even coverage at a nominal 90° horizontal through 60° vertical distributed pattern. The horn shall be rotatable.

The enclosure shall be constructed from prime-grade 15 mm plywood. The loudspeaker shall be equipped with a total of sixteen (16) suspension points. The grille shall be of heavy-duty steel backed with acoustically transparent foam. The external wiring shall be via either two 4-pin twist-lock or one 4-pin Euroblock connectors. The loudspeaker shall be 20.87 inches (530 mm) high by 12.56 inches (319 mm) wide by 13.39 inches (340 mm) deep weighing 33 pounds (15 kg). The finish shall be a paintable lightly textured black or white.

The compact loudspeaker shall be the Crest Audio CPL 10⁺.