



MOTION XT[®]
by **MARTIN LOGAN[®]**

C100

High-Performance
Folded Motion
**Center Channel
Speaker**



The ideal performance focused Center Channel for any Motion home theater system.

For the next generation of our Motion Series, we wanted to do something extraordinary. Tired of the "status quo," we went back to the drawing board, tasked with reinventing the legend of Motion Series. We came up with all-new audio technologies, a bold design, and modern finish options. We changed everything, leaving nothing on the table, to bring you our best Motion Series ever.

Upgrade your surround sound system with MartinLogan's C100 center channel, the perfect complement to any Motion[®] XT or Motion[®] based setup. The latest Gen2 Folded Motion XT Tweeter with advanced Folded Motion Waveguide technology provides exceptional dialogue clarity and consistency for all listeners. The anti-lobing crossover design enhances accuracy and the flippable cabinet design allows for a vertical tilt, making it ideal for low-mounted shelves or TV stands.

C100

Application

Center Channel

Frequency Response

42 Hz - 25 kHz \pm 3 dB

Dispersion

45° (vertical) x 90° (horizontal)

Sensitivity

93 dB

Impedance

5 ohms

Crossover Frequency

1300 Hz, 2500 Hz (2.5-way)

High Frequency Driver

1.25" x 2.4" (3.2cm x 6.1cm) Gen2 Obsidian Folded Motion® XT Tweeter with 12.4 in² (79.8 cm²) diaphragm.

Mid Frequency Driver

2x 6.5" (16.5cm) Nomex Reinforced Kevlar® cones with cast aluminum baskets. Non-resonant asymmetrical chamber format. Unibody cone construction. Anti-lobing 2.5-way crossover design.

Low Frequency Drivers

N/A

Cabinet

Rear Ported

Recommended Amp Power

20 - 300 watts

Binding Post Inputs

Custom bi-amp/bi-wire capable 5-way binding posts

Weight

34lbs / 15.4kg

Dimensions (HxWxD)*

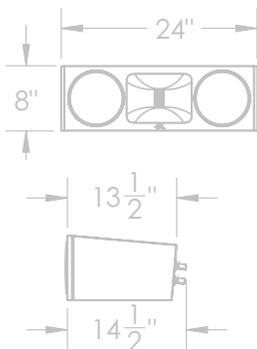
8" x 24" x 14-1/2"
20.3cm x 61cm x 36.8cm

Finish

Gloss Black, Walnut, and Satin White

*Product dimensions include feet, binding posts, and grilles.

Specifications are subject to change without notice.



Controlled Dispersion

Any time your speaker reflects sound off of a surface in your room, it changes the sound in some way. One of the most harmful changes that occurs is the result of the first reflection point, or the first point at which sound begins to bounce off the walls or other surfaces in the room. Controlled Dispersion minimizes these sound degrading early reflections by controlling the spread of sound from the tweeter into the room, enhancing your listening experience with greater clarity, and expanding placement options in any room.

Gen2 Obsidian Folded Motion Tweeter XT

The Gen2 Obsidian FMT XT Tweeter has been upgraded with a larger motor to provide higher output and lower distortion. The FMT XT offers the most effortless and detailed sound in the Motion range with a 40% increase in surface area over our signature FMT. Outside of our legendary Electrostatic speakers, these new tweeters provide our cleanest, most detailed and accurate high frequency reproduction to date.

Folded Motion Waveguide

After an extensive evaluation of nearly 50 design options, the Folded Motion Waveguide profile was meticulously chosen to harmoniously align with the dispersion of the midrange drivers, resulting in enhanced output. The waveguide guarantees consistent sound quality regardless of the listener's position and minimizes unwanted room reflections. Proper waveguide design is crucial as it helps control the sound's dispersion pattern, ensuring that the sound is evenly distributed across the listening area, resulting in optimal sound quality.

Nomex-Reinforced Kevlar® Mid-bass

The Nomex-Reinforced Kevlar® Mid-bass drivers in the Motion® XT C100 is a strong, yet lightweight cone, that absorbs undesirable resonance and ringing for unparalleled midrange clarity. When combined with the Gen2 Obsidian FMT XT, the clarity of vocals, dialogue and instrumental accuracy is unmatched at any volume. The seamless integration with Motion XT CI products makes creating custom solutions effortless.

Anti-Lobing Center Channel Design

Typical two-way center channel designs can result in lobing, which negatively alters the tonality of the source material. The 2.5-Way crossover design used on C100 minimizes these harmful effects resulting in clearer dialogue and higher accuracy for a more immersive experience.

Flippable Center Channel Cabinet

The unique flippable design of the C100 allows for better sound clarity and immersion when placed on a lower shelf or piece of furniture by directing the sound upwards towards the listener's ears.

Secure-Lock Grilles

Besides looking modern and elegant, our new Secure Lock grille design uses clever, stealth mounting tabs to securely hold the grilles in place while also allowing you to customize the appearance of your speaker. Instantly create a unique look to suit your preference at any time by choosing which grilles to leave on or off, or even rotating the grilles to display the grain of the fabric how you prefer.

McCracken-Vojtko Crossover

Named after our acoustic engineers, this new custom crossover perfectly melds the bespoke driver platforms. Carefully designed using proprietary measurement and simulation software, and fine-tuned and evaluated using double-blind listening tests, the McCracken-Vojtko crossover is the maestro that weaves all the elements into a cohesive whole.