



MOTION XT[®]
by **MARTIN LOGAN[®]**

B100

High-Performance
Folded Motion
Bookshelf Speaker



Our best bookshelf speaker, for those wanting maximum performance without moving to a tower speaker.

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.

The XT B100 is our finest bookshelf speaker yet, for those wanting maximum performance without moving to a tower speaker. The Gen2 Folded Motion[®] XT Tweeter and Nomex[®]-Reinforced Kevlar[®] woofer deliver exceptional clarity and precision, making B100 ideal for 2-channel or home theater setups. For those desiring a stand mount option, the B100 is threaded to securely attach to our matching STAND25 speaker stand (sold separately) for maximum stability.

High-Performance Folded Motion **Bookshelf Speaker**



B100

Application

Bookshelf

Frequency Response

45 Hz - 25 kHz \pm 3 dB

Dispersion

45° (vertical) x 90° (horizontal)

Sensitivity

93 dB

Impedance

4 ohms

Crossover Frequency

2600 Hz (2-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

6.5" (16.5cm) Nomex Reinforced Kevlar® cone with cast aluminum basket. Nonresonant asymmetrical chamber format. Unibody cone construction.

Low Frequency Drivers

N/A

Cabinet

Rear Ported

Recommended Amp Power

20 - 250 watts

Binding Post Inputs

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

Weight

20.5lbs / 9.3kg

Dimensions (HxWxD)*

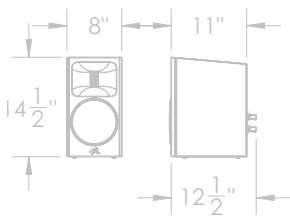
14-1/2" x 8" x 12-1/2"
36.8cm x 20.3cm x 31.8cm

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 in the Motion® XT B100 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.

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.