BEALE STREET AUDIO



IC6-MB

IN CEILING 6.5" 2-WAY POWERED BY SONIC VORTEX®



Multiple International Patents Awarded Additional Patents Pending Our Sonic Vortex[®] technology generates rich, deep bass and effortless clarity from what most people would call a 'back box', but is not. It is actually a compact, integrated tuned enclosure. This patented technology is a 'twist' on Ported Transmission Line design, that optimizes air movement to produce astonishing sound. The enclosure also keeps sound from bleeding to other rooms while adding 6 to 9dB boost in mid-lower bass.

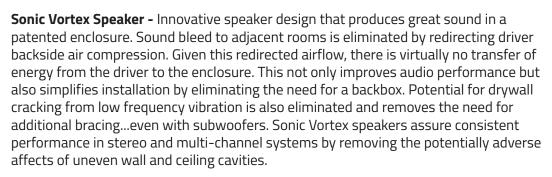
- Woofer: 6.5" Fluted Injected Poly Cone
- Tweeter: 1" Aluminum Dome
- Butyl Rubber Surround
- Sonic Vortex® Ported Transmission Line
- Magnetic Bezelless Grille; White Paintable
- Impedance: 8Ω
- Installed Frequency Response: 43 Hz 24 kHz
- Sensitivity: 89db
- Gold Spring Push Terminal Connector
- Depth 6.8" (172mm)
- Speaker Weight: 7.10 lbs (3.22kg)
- Cutout: 8.4" (214mm)
- Diameter 9.4" (239mm)
- Power Handling: 5-120W
- Pivoting Tweeter
- F7Bracket Size: F



Sonic Vortex

INSIDE SONIC VORTEX







Sonic Vortex Enclosure - The Sonic Vortex Enclosure is a tuned, sealed enclosure that captures driver backside air compression and redirects air movement to the fins, via the Sonic Vortex Airgate.



Sonic Vortex Airgate - The Vortex Airgate is the eye of the storm. Driver backside air compression passes through the tuned port (hole in the middle) and gets separated into multiple ported transmission lines (fins).

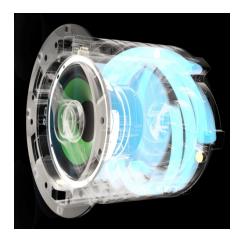


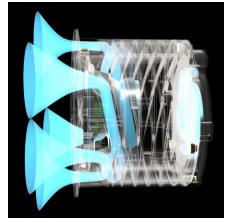
Sonic Vortex Fins - The Fins are encircled by and sealed to the inside of the Enclosure. These air channels are specially tuned for length and volume to perfectly neutralize air pressure, balancing energy transfer to the external cabinet, eliminating external vibration.

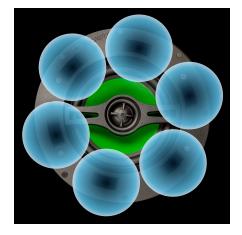


Sonic Vortex Dispersion Ports - The redirected air from driver movement exits the front-ported enclosure at multiple positions, directing all audio energy into the listening area, providing a 6-9dB boost in mid-lower bass and creating an immersive 160° dispersion pattern.

SONIC VORTEX IN ACTION







Captured, compressed air from driver movement travels through the fins encircled by the Sonic Vortex Enclosure. The captured air gets redirected, preventing sound bleed to an adjacent room.

The captured air travels through the fins and exits out of the ports on the front of the enclosure. This assures that no audio energy is lost and all sound is directed into the intended listening area.

In addition to the direct output of the woofer and tweeter, the exhaust from the Sonic Vortex ports adds 6 to 9dB boost in mid-lower bass and creates an immersive 160° dispersion pattern.