BEALE STREET AUDIO

Get Reale. Get Beale.

P4-BB

IN CEILING/IN WALL 4" 2-WAY PANCAKE POWERED BY SONIC VORTEX®

POWERED BY: Sonic Vortex TECHNOLOGY

Multiple International Patents Awarded
Additional Patents Pending

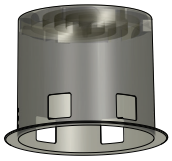
Our Sonic Vortex® technology generates rich, deep bass and effortless clarity from what most people would call a 'back box', but is not. It is actually a compact, integrated tuned enclosure. This patented technology is a 'twist' on Ported Transmission Line design, that optimizes air movement to produce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

- Woofer: 4" Carbon Fiber Cone
- Tweeter: 3/4" Titanium Dome
- Surround: Butyl Rubber
- Speaker Weight: 2.62lbs (1.19kg)
- Cutout: " 8.4" 214mm
- Grille Diameter: 9.5" 241.4mm
- Depth: 2.76" 70.2mm
- Installed Frequency response: 62Hz to 20KHz
- Frequency/Crossover Setting: Full range only
- Power Handling: 5-80W
- Nominal Impedance: 8Ω
- Sensitivity: 88db
- Grille: Magnetic Bezelless; White - Paintable
- Connector Type: Gold Spring Push Terminal
- Optional Pre-construction Bracket: EZBracket Size: F

Sonic Vortex

INSIDE SONIC VORTEX

Sonic Vortex Speaker - Innovative speaker design that produces great sound in a patented enclosure. Sound bleed to adjacent rooms is eliminated by redirecting driver backside air compression. Given this redirected airflow, there is virtually no transfer of energy from the driver to the enclosure. This not only improves audio performance but also simplifies installation by eliminating the need for a backbox. Potential for drywall cracking from low frequency vibration is also eliminated and removes the need for additional bracing...even with subwoofers. Sonic Vortex speakers assure consistent performance in stereo and multi-channel systems by removing the potentially adverse affects of uneven wall and ceiling cavities.



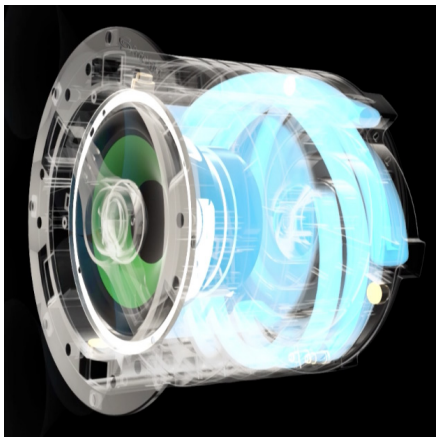
Sonic Vortex Enclosure - The Sonic Vortex Enclosure is a tuned, sealed enclosure that captures driver backside air compression and redirects air movement to the fins, via the Sonic Vortex Airgate.

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).

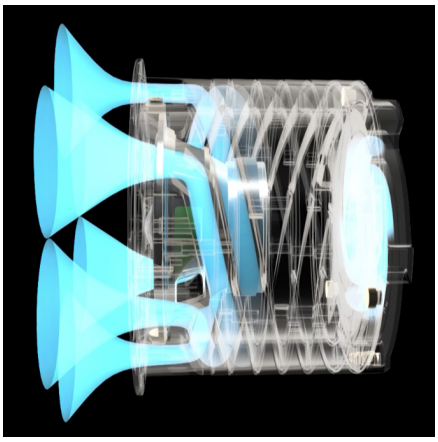
Sonic Vortex Fins - The Fins are encircled by and sealed to the inside of the Enclosure. These air channels are specially tuned for length and volume to perfectly neutralize air pressure, balancing energy transfer to the external cabinet, eliminating external vibration.

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.

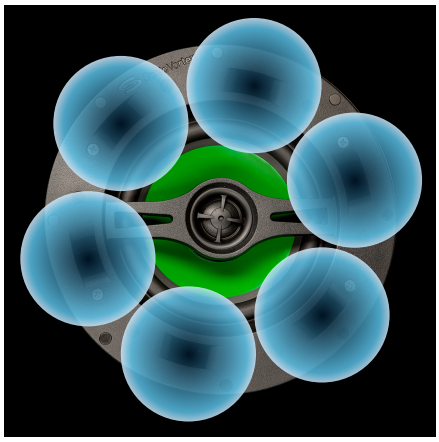
SONIC VORTEX IN ACTION



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.

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