

SbA760

SbA760
Compact Powered Subwoofer
with built-in Stereo Crossover for
Live Sound, DJ, AV



Key Features:

- 760W Output Power (RMS)
- Compact, Ergonomic Size for Easy Transportation
- EVS-Series, Direct Radiating 15" Woofer
- Built-in Stereo Crossover with PowerMax 12 Filter for Higher Acoustic System Output
- LPN-Filter to Compensate LF Transient Distortion for Full Extended Bass Response
- Dynamic Limiter and Full Protection Package
- Integrated Pole-Mount, 4 Wheels, 5m (197") PowerCon Lead



General Description:

The Electro-Voice® SbA760 is a new generation of hi-power compact subwoofers. Designed to match EV's Sx-Series speakers, it's an ideal system extension for SxA100, SxA250, and SxA360 powered speakers. The SbA760 adds extended low frequency response to Sx300 and Sx100+ passive speakers driven by powered mixers.

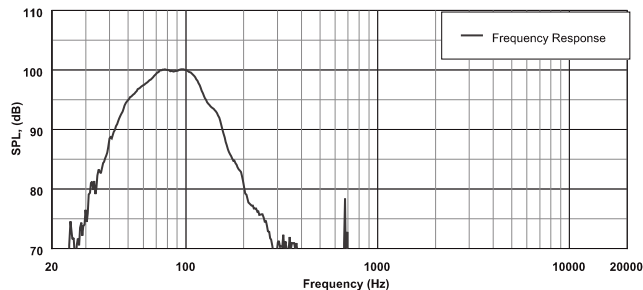
The state-of-the-art class H power amplifier module delivers 760 Watts RMS power to an EVS15FR 15" woofer. The audio performance and reliability of the amplifier is derived from the famous EV Precision Series™ Amplifiers.

The Patented LPN (Low-Pass-Notch) filter compensates for transient distortion of dynamic signals and allows, in combination with the PowerMax 12 crossover filter, the SbA760 to achieve a higher acoustic output than expected from a compact cabinet that size.

Technical Specifications:

Freq. Range (-10 dB):	42 Hz - 150 Hz
Amplifier Design:	Hi-Efficiency Class H
Output Power:	760W (RMS)
THD, Rated:	<0.05%
Sensitivity (SPL 1W/1m):	100 dB
Max Calculated SPL:	128 dB
Components:	EVS-15FR
Connectors:	2 XLR/Jack Combo Input 2 XLR Slave Through 2 XLR Mid-Hi Output
Level Control:	+40 dB to -10 dB
Internal Crossover:	PowerMax 12, 100 Hz
Protection:	Dynamic Limiter, DC, HF High Temperature, Peak Current Limiter
Power Requirements:	100V, 120V, 230V, 240V
Cabinet:	16mm Plywood Vented Enclosure, 4 Wheels, Pole Mount (M20), 2 Handles
Cabinet Finish:	EVCoat™
Grille:	Black Powder-Coated Steel
Dimensions (H x W x D/D w/Wheels):	23.7" x 16.9" x 22.0"/26.2" (603mm x 428mm x 558/665mm)
Net Weight:	94.7 lbs (43 kg)

Frequency Response & Impedance:



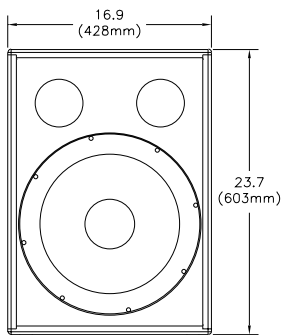
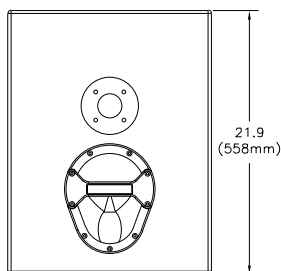
State-of-the-Art Signal Processing Technology:

The built-in stereo crossover with PowerMax12 crossover function (patents pending) delivers an extra 6 dB SPL at the crossover point - providing an acoustical output that can't be achieved by standard equalizing. The onboard dynamic limiter and the unique Voice-Coil-Protection (VCP) circuit are the guarantee for a safe performance.

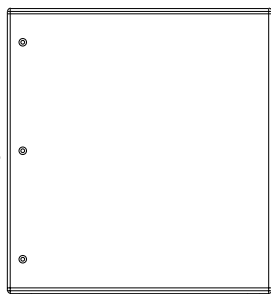


Dimension Drawing:

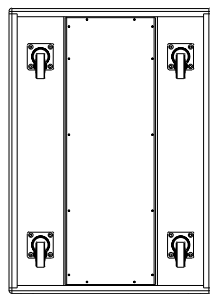
Top View



Front View



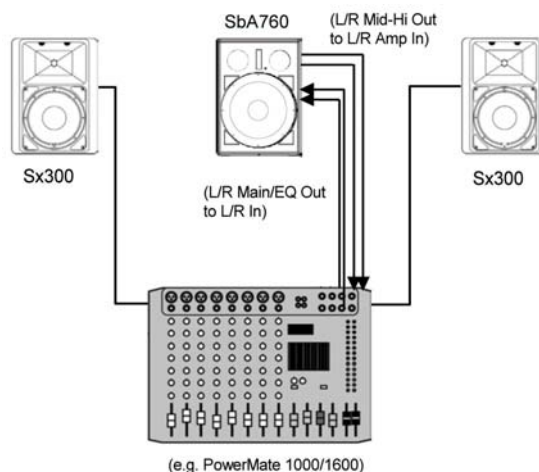
Side View



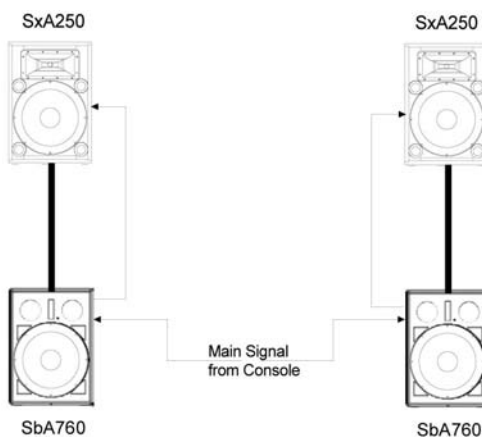
Back View

Examples for Typical System Applications:

Extension for Sx Speaker System with a Powered Mixer



Powered PA System with SxA250



SbA760 Part Numbers

- SbA760 (100V) -- 170329
- SbA760 (120V) - 301576-001
- SbA760 (230V) -- 170331
- SbA760 (240V) -- 170332



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www.electrovoice.com

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Part Number 38110-356 Rev B

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For technical assistance, contact Technical Support at: 866/78AUDIO

Specifications subject to change without notice.



SxA250

Compact Powered Sound Reinforcement Speaker For: Live Sound, Speech, Playback, DJ, A/V, Institutional Venues



Key Features:

- Lightweight, Ergonomic Size - 56.6 lb (25.7 kg)
Angled Enclosure for Monitor Use
Mic and Line Inputs with Mix Capability
350 W Dynamic LF Power
80 W Dynamic HF Power
LF and HF Equalization
Line Output for Additional Speakers
80° x 55° Constant Coverage Horn
High Sensitivity, 126 dB Maximum SPL
Dynamic Filters Provide Overload Protection and Linear Response
Built-in Pole Mount
Easily Suspended with Optional Rigging Kit



General Description:

The SxA250 sets a new standard for powered speakers. Its design provides the user multiple inputs with mix capability, an easy to use EQ section, and plenty of power in a very compact, attractive package.

This is a full range loudspeaker ideal for applications requiring high-quality sound. Careful attention to the dynamic requirements of music guided the amplifier design to provide high SPL. The high quality microphone preamplifier provides great sounding vocals or speech. A master level control sets the desired SPL, and the line input can be mixed and balanced with a microphone with its level control. Its linear response is easily optimized for speech or music with the on board multiband equalization.

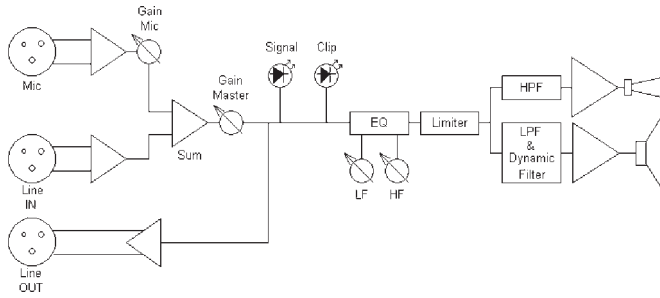
Built-in pole mount and optional rigging hardware make it easy to position for your application.

The high-frequency section of the SxA250 utilizes a molded-in, 80° x 55° constant-directivity horn. This unique pattern contributes to high intelligibility. Vocals sound natural yet "cut through" reverberant, noisy rooms. Coverage pattern is uniform and sound quality off-axis is very well maintained, even at 40° off axis (an 80° total coverage angle). The SxA250's high-frequency horn is driven by the DH2010A, a 1.25 inch diaphragm, wide-bandwidth, titanium-diaphragm driver using a unique, convex-drive TimePath™ phasing plug structure (U.S. Patent #4,525,604) for smooth and extended high-frequency response.

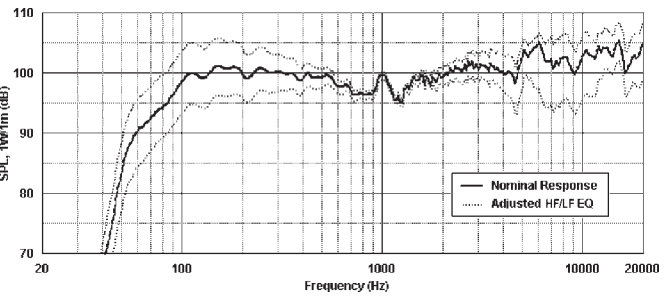
Technical Specifications:

Table with 2 columns: Specification Name and Value. Includes rows for Freq. Response, Max SPL, Coverage, Power, Sensitivity, Transducers, Connectors, Equalization, Power Requirement, Enclosure Material, Grille, Dimensions, Weight, and Shipping Weight.

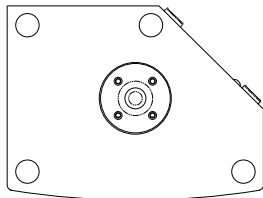
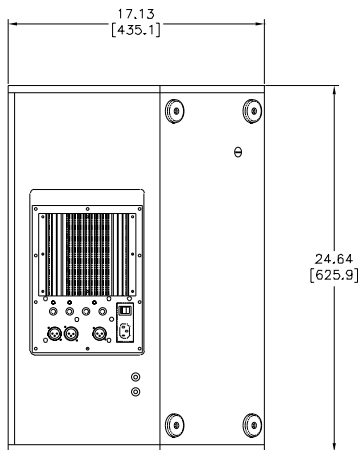
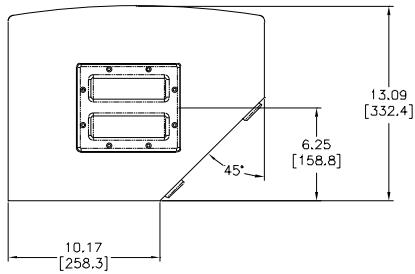
Block Diagram:



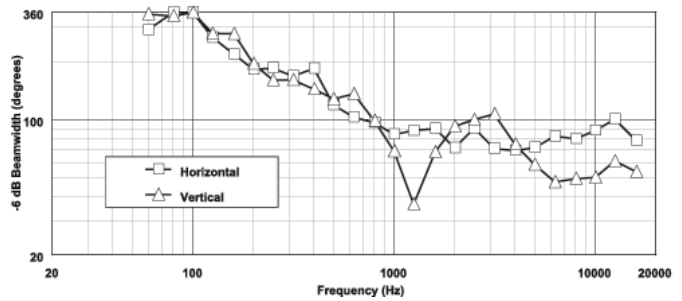
Frequency Response:



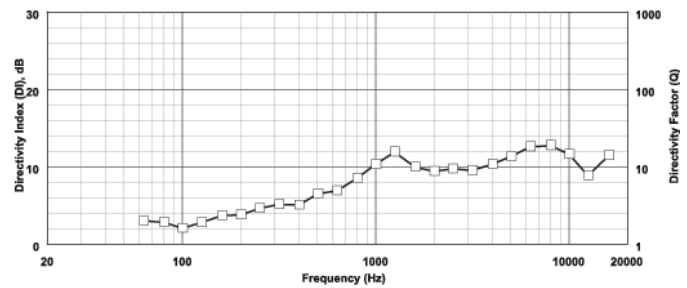
Dimension Drawings:



Beamwidth:



Directivity:



Performance Match:

- SxA180 Sub

Available Accessories:

- SK1 Rigging Hardware
- 100BK Tripod Stand

SxA250 Part Numbers

- 301221-001 120V
- 301221-003 230V

EV Electro-Voice®

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Part Number 38110-076 Rev C

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