

Key Features:

- » 39Hz LF Limit, High Power Handling, High Efficiency
- » Low Distortion, Low Thermal Compression
- » Laminar Vents
- » Integrated Locking Feet
- » Designed with Cardioid Sub Arrays in mind

Applications:

- » Educational Facilities
- » Houses of Worship
- » Theme Parks
- » Live Music Venues
- » Performing Arts Centers

The SB112i is a high efficiency, high impact sub-bass loudspeaker with exceptionally high power handling. The SB112i is one of the recommended subwoofers for use with the C coaxial series and is also well suited for use with the VC system family from RMS-Acoustics.

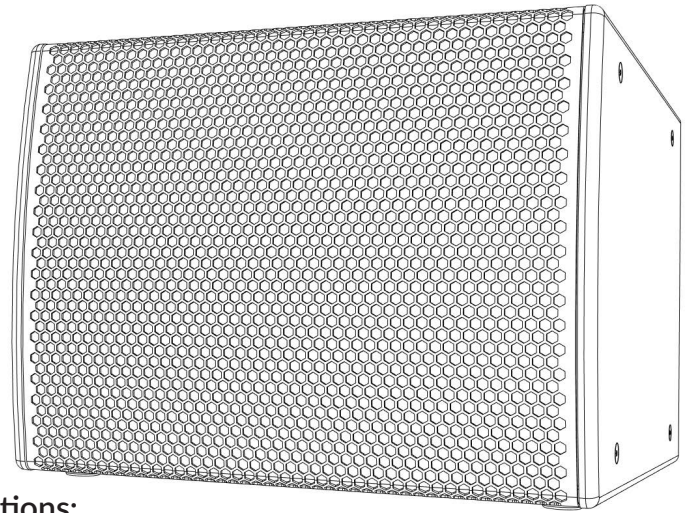
The SB112i subwoofer provides high impact, high sensitivity, low thermal compression and incredibly low distortion, even at the highest drive levels. These combined properties deliver the sonic qualities of precision and musicality.

The SB112i can be deployed in standard or cardioid configurations, with dedicated presets for each configuration, in flown, or stacked configurations.

The SB112i enclosure was designed with installation in mind. It features 16 integrated fly points that allow for mounting to ceilings and the creation of traditional and cardioid flown arrays. The compact profile allows the SB112i to fit easily under stages, up tight to ceilings, and between standard framing for flush mount installations.

The cabinet is made of premium exterior grade Baltic birch plywood to ensure maximum acoustical and mechanical integrity. The SB112i features laminar vents that significantly reduce turbulence and port noise at high drive levels.

The optimum processed loudspeaker solution for the RMS-Acoustics SB subwoofer family are the RMS series of processed amplifiers, also the Linea Research C and M series amplifiers, with proprietary presets provided by RMS-Acoustics.



System Specifications:

SYSTEM:			
Frequency Range (-10dB) ^1	39Hz - 400 Hz		
Frequency Response (+/-3dB)	44 Hz - 150 Hz		
System Sensitivity (1w, 1m)^2	97dB	Measured on LF band, average SPL over 100 to 1 kHz region. HF Sensitivity significantly higher	
Maximum SPL Continuous (1m)	125dB		
Maximum SPL Peak (1m)	131dB		
Long Term Power Rating (IEC)^3	LF	800W, 1600W, 3200W (Continuous, Program, Peak)	
Long Term Power Rating (AES)^4	LF	1000W (2000W Peak), 2 hrs, 800W 100Hr	
Maximum Input Voltage	LF	89.5 V RMS (2 hrs), 127 V Peak	
Nominal Coverage Pattern	Omni directional, variable directivity with cardioid presets and custom modification		
System Crossover	Proprietary DSP via RMS-ACOUSTICS and Linea Research processing platform		
Specifications			
SPKR-15-0007	LF Driver - 12" low frequency cone loudspeaker with 4" voice coil, shorting ring and high performance convective cooling technology		
Impedance	LF	8 Ohm, optional 4 ohm	
PHYSICAL:			
Input Connectors	Dual Neutrik NL4MP Connectors, Option sealed gland nut w wire loom in X1 config		
Enclosure Materials	15 mm Birch Hardwood Ply 1.3mm layers		
Grille Materials	Cold Rolled Steel, Epoxy powder coat, Acoustically transparent black foam backing		
Finishes	Black finish (Standard) Polurethane textured spray Additional Finishes available - See Options Below		
Suspension and Mounting	Proprietary internal, captive rigging		
Flown Array Maximum	Custom Cardioid Array configurations possible, contact sales to inquire regarding design		
Rigging Hardware	3/8-16 Internal Flyware Standard, optional M10 Optional vertical side mounting dependent on array configuration, call for quote		
Dimensions	22.0" w x 22.0" d x 14.25" h (559mm x 618 mm x 362 mm)		
Weight	70 Lbs (31.8 kg) Net	Shipping weight 78 Lb 35.5 kg	
Finish Options	-X (Weatherized), -W (White), -C (Custom Color) Upcharge applies		
Optional Accessories			

Free field, semi anechoic conditions. To compare with half space measurements, add 6dB to maximum output specifications.

1. Full Space, 4pi conditions

2. Measured Maximum SPL, based on power compression observation of 3dB

3. IEC Shaped pink noise with 6dB Crest Factor

4. AES Standard AES2-2012, one decade pink noise with 6dB Crest factor within device's applicable operating band, free air. Standard AES 2 hr rating are specific for low frequency transducers.