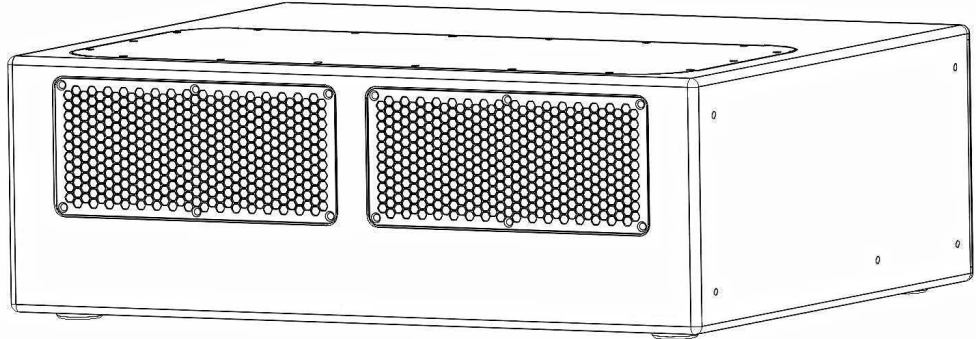


Key Features:

- » 39Hz LF Limit, High Power Handling, High Efficiency
- » Ultra Low Profile to fit in cramped spaces ~ 8in (204mm)
- » High 1400W Power handling, High Efficiency 97dB
- » Low distortion, Low thermal compression
- » Durable high excursion transducers

Applications:

- » Restaurants and Hospitality
- » Educational Facilities
- » Clubs, Lounges, Bars
- » Performing Arts Centers



The SB208i is an ultra low profile, high efficiency, high impact sub-bass loudspeaker with an incredibly compact form factor. This highly capable little sub is ideally used when superb sonic bass performance is required, yet space constraints are extremely tight. It provides high impact, high sensitivity, low thermal compression and incredibly low distortion out of a compact package, even at the highest drive levels. These combined properties deliver the characteristic RMS-Acoustics sonic qualities of Impact, precision, and musicality.

The SB208i features two long excursion, high power handling 8.5" loudspeakers mounted in a mechanically and acoustically optimized bass reflex cabinet with laminar venting. Port turbulence is virtually eliminated, and high drive level distortion is minimized via large, flared, symmetrical laminar venting. It operates from 40Hz to 100 Hz when used as a general ground support subwoofer.

The SB208i enclosure was designed with installation in mind. The compact ultra low profile allows the SB208i to fit easily under seating, up tight to ceilings, against walls and between standard framing for flush mount installations.

The enclosure is constructed of premium birch hardwood plywood to ensure maximum acoustical and mechanical integrity. It is then coated with a weather and wear resistant textured urethane hybrid finish. Optional rigging components are weather and corrosion protected with a heat cured epoxy powder coated finish or zinc plating with passivation.

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

System Specifications:

SYSTEM:			
Frequency Range (-10dB) ^1	37Hz - 150 Hz		
Frequency Response (+/-3dB)	41 Hz - 150 Hz		
System Sensitivity (1w, 1m)^2	97dB	Measured on LF band, average SPL over 80 to 400 Hz region. HF Sensitivity significantly higher	
Maximum SPL Continuous (1m)	123dB		
Maximum SPL Peak (1m)	129dB		
Long Term Power Rating (IEC)^3	LF	700W, 1400W, 2800W (Continuous, Program, Peak)	
Long Term Power Rating (AES)^4	LF	700W (1600W Peak), 2 hrs, 550W 100Hr	
Maximum Input Voltage	LF	75.5 V RMS (2 hrs), 113V Peak	
Nominal Coverage Pattern	Omni directional		
System Crossover	Proprietary DSP via RMS-ACOUSTICS processing platform HPF filter 40 Hz		
Loudspeaker	SPKR-8-0010	LF Driver - 8.5" low frequency cone loudspeaker with dual symmetric inverted gap 2" voice coil, shorting ring and high performance convective cooling technology	
Impedance	LF	8 Ohm, speakers internally wired in parallel 1+ 1-	
PHYSICAL:			
Input Connectors	Dual Neutrik NL4MP Connectors, optional Phoenix Connector		
Enclosure Materials	15 mm Birch Hardwood Ply 1.3mm layers		
Grille Materials	High Temperature Copolymer		
Finishes	Black finish (Standard) Polyurethane textured spray Additional Finishes available - See Options Below		
Suspension and Mounting	Optional Proprietary internal, captive rigging		
Flown Array Maximum	NA		
Rigging Hardware	SB208BRKT Wall or Ceiling mounting bracket Optional M10 mounting locations can be added (additional cost)		
Dimensions	23.5" w x 18.6" d x 8" h (597mm x 473 mm x 204 mm) 7.8" h (199 mm) no feet		
Weight	31Lbs (14.1 kg) Net Shipping weight 38Lb 17.3 kg		
Finish Options	-W (White), -C (Custom Color) Upcharges apply		
Optional Accessories			

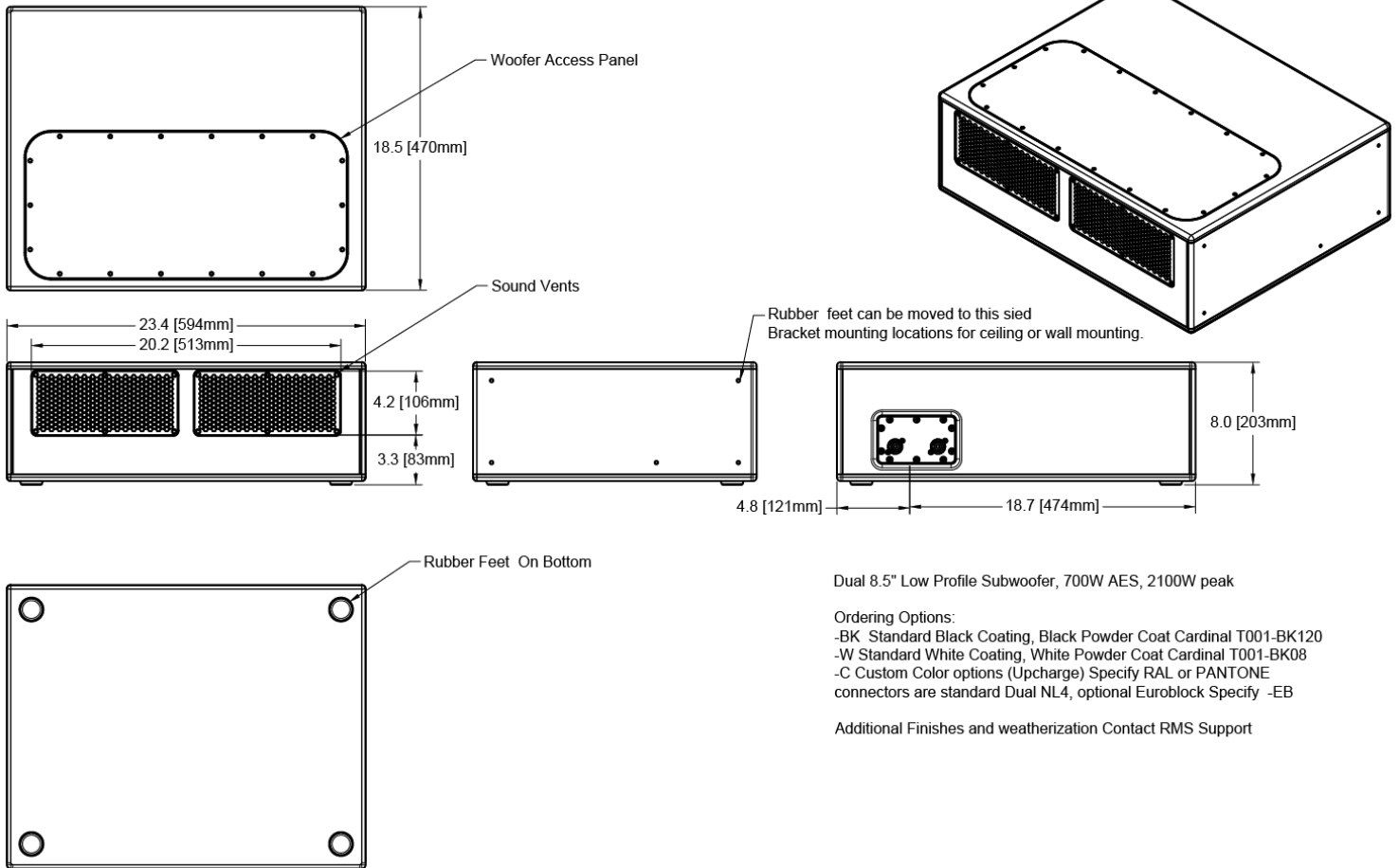
Free field, semi anechoic conditions. To compare with half space measurements, add 6dB to maximum output specifications.

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.



Dual 8.5" Low Profile Subwoofer, 700W AES, 2100W peak

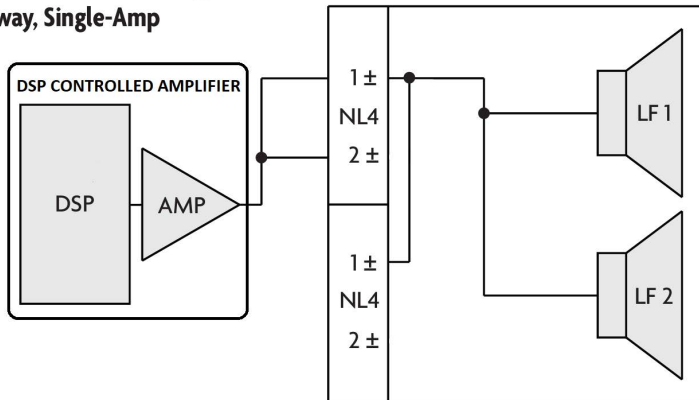
Ordering Options:

- BK Standard Black Coating, Black Powder Coat Cardinal T001-BK120
 - W Standard White Coating, White Powder Coat Cardinal T001-BK08
 - C Custom Color options (Upcharge) Specify RAL or PANTONE
- connectors are standard Dual NL4, optional Euroblock Specify -EB

Additional Finishes and weatherization Contact RMS Support

Connection Diagram

1-way, Single-Amp



Architectural Specification

The loudspeaker shall be comprised of two high power 8.5" (216mm) bandpass loaded low frequency (LF) transducers. The transducers shall be mounted in a rectangular enclosure constructed from 15 and 12mm multi-laminated birch plywood. The enclosure topology shall be a vented bandpass featuring laminar venting. This enclosure shall have integral threaded inserts for the fitment of rubber feet, wall and ceiling mounting hardware; it shall be finished in a textured polyurethane coating with exterior dimensions of (H) 203 mm x (W) 594 mm x (D) 470 mm (8" x 23.4" x 18.5") and weigh 20 kg (31 lbs).

The wiring connection shall be as follows: a removable, lockable wiring connector with four screw-down terminals (one pair for input and one pair for link through to another loudspeaker) to provide secure wiring and allow for pre-wiring of the connector before the installation (this connector should then lock to the enclosure for secure attachment).

Performance specifications of a typical production unit shall be as follows: frequency response of 40 Hz - 120 Hz (± 3 dB from rated sensitivity); 700 W long-term program using IEC268-5 pink noise (6 dB crest factor); pressure sensitivity of 97 dB one Watt one meter; rated nominal impedance of 8 Ω . The low frequency transducer shall be constructed on a cast aluminium frame with a treated paper cone, 50.8 mm (2") dual voice coil with inverted gap technology, wound with aluminum wire on a high-quality voice coil former for high power handling and long-term reliability.

The loudspeaker system shall be the **RMS-Acoustics SB208i**.