



technical specifications CRMSQ/80

general

- Modular scalable column array system, for each room size
- 12" proprietary pro-ribbon MHF drivers with 6.5" woofers with Alcons Active Coil™
- Very high peak power handling for virtually infinite, dynamic MHF headroom
- Patented constant directivity in the horizontal plane, 80-degrees or 110-degrees
- Alcons Azimuth Adjust™ adjustable horizontal projection angle, in increments of 5-degrees
- Super shallow system design with a depth of only 25,4cm / 10-in.



description

The CRMSQ is a modular 2-way column loudspeaker to be used as vertical array system; It combines a perfectly natural, dynamic sound reproduction with superb intelligibility and coverage, drastically reducing the influence of the room acoustics.

The symmetrical acoustic design, in combination with the patented horizontal constant directivity of the RBN HF drivers, offers a coherent pattern control with seamless coverage; This widens the "stereo sweet spot" significantly, regardless of the audience seating.

The system's active frontal radiation is close to 90%, by using only 2 RBN drivers; The resulting sharply-controlled, virtually side-lobe-free vertical dispersion offers a superb, SPL-independent, intelligibility and "proximity experience".

Each purpose-designed 12" RBN pro-ribbon driver has a peak power handling of 2.000W (200 msec), creating

a virtually infinite system headroom of 4.000W from 1kHz up.

The two RBN1203 drivers are mounted in a co-axial speaker configuration with four woofers in a sealed cabinet. The custom-designed high output 6.5" woofers feature Active Coil™ technology for extremely low-distortion LF reproduction, a perfect match with the MHF pro-ribbon technology.

The controlled (cylindrical) projection can be extended down to the lower frequencies by enlarging the array length through adding extra CRMSQ modules (extending the "nearfield").

The RBN HF section horizontal orientation can be manually adjusted in 5 steps of 5-degrees (+10, +5, 0, -5, -10), for optimal projection towards the audience critical listening area without increasing the super shallow mounting depth of 25,4cm / 10-in.

The passive filtering allows up to 3 modules to be combined on one amplifier channel.

The CRMSQ is powered and controlled by the ALC amplified loudspeaker controller; Through the integrated processing and feedback, the ALC offers CRMSQ-specific drive processing with optimal response, reliability and user-friendliness.

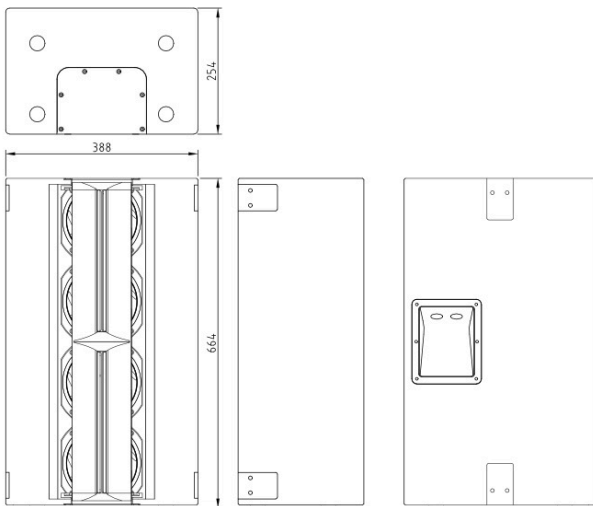
The Signal Integrity Sensing™ pre-wiring ensures

complete cable/connector compensation between the CRMSQ and SIS™ featured ALC; This offers a 1:1, undistorted natural sound reproduction, regardless of cable length and amplifier impedance load. (system damping factor 10.000)

The CRMSQ is available in two versions: 80-degree (CRMSQ/80) or 110-degree (CRMSQ/110) horizontal dispersion; And can be ordered in efficient single-amp (“si”) or high-output bi-amp (“bi”) configuration.

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dimensional drawing



technical specifications

Frequency response	62Hz - 20.000Hz (+/- 3dB)
	50Hz - (+/-10dB)
Sensitivity nominal	105dB (200Hz – 10kHz)
Nominal impedance	8 ohms
Recommended drive	Sentinel3 min.
Nominal SPL peak	130 dB (Sentinel3 200Hz – 10kHz)
	136 dB (Sentinel10 200Hz – 10kHz)
Dispersion H x V (array)	80° x depending on array length
Dispersion H x V (single)	80° x 3.6° (@10 kHz)

physical specifications

System	2-way, full-range	
Filtering	passive	
Drivers LF	4x AMB65NDAIC-8 Neodymium 6.5", sealed	
Drivers HF	2x RBN1203 12" pro-ribbon driver	
Connectors	2x Speakon NL4 input / link	
Physical dimensions	mm	inches
Height	664	26.1
Width	388	15.3
Depth	254	10.0
Weight (approx.)	kg	lb
	22,0	48.0
Warranty	6 years limited	

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