



technical specifications CR4

general

- RBN pro-ribbon HF section with flat SPL coverage and very precise projection
- First true cinema system with completely utilizing line-source technology
- Shallow system design (35cm/13,7") for space economic mounting
- SIS pre-wired for complete long cable-compensation (with ALC) between speaker and amplifier
- Bi-amp filtering for economical powering or tri-amp filtering for maximum output
- Digital Cinema ready, with non-compressed reproduction and extended dynamic range



description

The CR4 is a 3-way sound system, designed to meet all requirements of current and future (Digital) Cinema sound formats.

Featuring the patented Alcons pro-ribbon driver technology, with triple RBN401 pro-ribbon HF driver array, the CR4 is designed for applications where high output with maximum quality cinema sound reproduction is needed. It is recommended for 300-500 seat theatres.

By implementing line-source technology throughout the entire system (an industry first), the normal (-6dB step) reduction of SPL coverage from front to rear is reduced; this "proximity" effect dramatically

improves the cinema experience for the audience further away from the screen. The precise projection also prevents unwanted ceiling reflections.

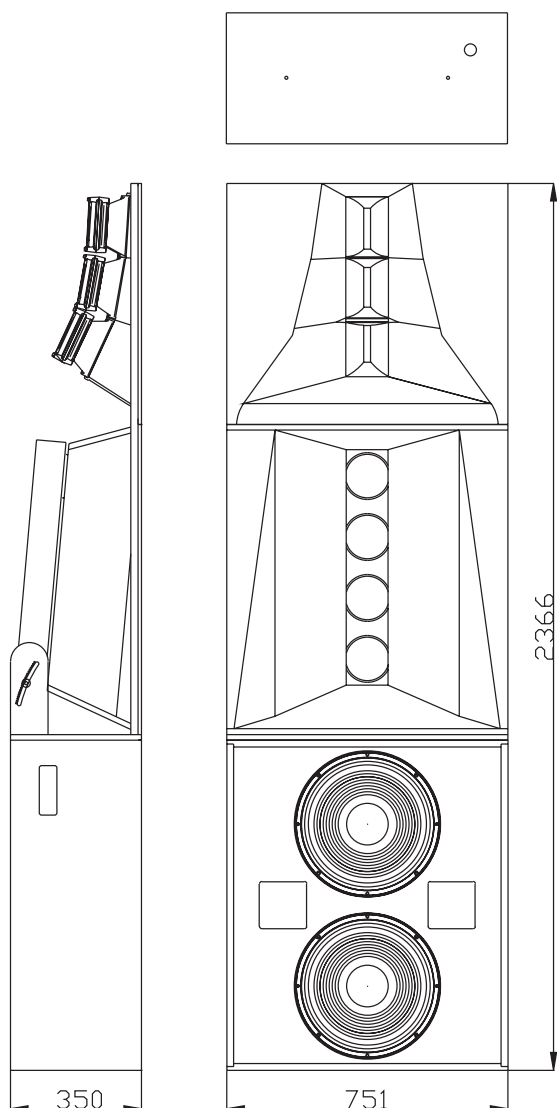
The CR4 HF section has a 2400W peak power input, offering a 1:16 dynamic range with up to 90% less distortion from 1kHz. to beyond 20kHz. The patented Real-90 horizontal dispersion widens the stereo experience for far left and right seated audience.

The CR4 is available with bi-amp filtering for economical powering or tri-amp filtering for maximum system output.

The SignalIntegritySensing™ pre-wiring ensures complete (long!) cable/connector compensation between CR4 and ALC, significantly increasing response accuracy and further reducing distortion. The (industry's most) shallow enclosure design of only 35cm/13,7" provides for flexible mounting, claiming only a minimum of space behind the screen.

For full system performance, it is strongly recommend using the CR4 in combination with an ALC2 (or ALC4) amplifier/controller. Driven by the ALC, the CR4 delivers maximum sound quality with increased headroom under dedicated equalisation and inaudible (power and excursion) protection (SDP circuit).

dimensional drawing



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technical specifications

Frequency Response	
+/- 3 dB	43 Hz - 20.000 Hz
+/- 10 dB	32 Hz -
Sensitivity (SPL 1W/M) / nominal LF	
	100 dB / 100 dB
	MF 106 dB / 108 dB (tri-amp)
	HF 104 dB / 106 dB (tri-amp)
Nominal Impedance LF	
	4 Ohm
	MF 4 Ohm (tri-amp)
	HF 4 Ohm (tri-amp)
	MF/HF 4 Ohm (bi-amp)
Maximum power RMS / peak LF	
	2000 Watt / 8000 Watt
	MF 720 Watt / 1600 Watt
	HF 150 Watt / 2400 Watt
SPL program / peak (nom.) LF	
	133 / 141 dB
	MF 137 / 140 dB
	HF 128 / 140 dB
Dispersion H x V	
	90° x 36° down to 250 Hz

physical specifications

System	3-way, full-range	
Filtering	LF active, MF/HF passive or LF, MF, HF active	
Drivers LF	2x AW15.4 15", vented	
Drivers MF	4x AM65ND 6.5"	
Drivers HF	3x RBN401 4" ribbon driver	
Cross-over frequencies	250 Hz and 1000 Hz	
Connectors	2x Speakon NL4 input	
Physical dimensions	mm	inches
Height	2366	93.1
Width	750	29.5
Depth	350	13.8
Weight (approx.)	105 kg	(231.5 lb)
Warranty	6 years limited	