



technical specifications CR1

general

- RBN401 pro-ribbon HF driver with exceptional intelligibility and dynamic output
- 1:1 non-compressed sound reproduction, with up to 90% less distortion
- SIS™ pre-wired for very high damping and further reduced distortion (with ALC)
- ultra-shallow enclosure (18cm/7-in.) for space economic mounting
- low system impedance + single-amp filtering for economical powering
- Digital Cinema ready, with non-compressed reproduction and extended dynamic range



description

The CR1 is an ultra-compact 3-way sound system, designed to meet all requirements of all current and future (digital) cinema sound formats, for applications where medium output, high quality cinema sound reproduction is needed; It is recommended for smaller cinema theatres, as well as screening rooms and Home Theatres.

Featuring the patented Alcons pro-ribbon driver technology, the CR1 offers a 1:1 reproduction of the original sound source; The absence of a “compression threshold”, caters for the same tonal balance at all SPL's, while the combination of unprecedented low distortion with a very high 1:15 RMS-to-peak dynamic range delivers the most realistic cinematic experience possible.

The patented “Real-90” horizontal dispersion of the RBN401 pro-ribbon, mounted on a revolvable waveguide, widens the stereo experience “sweet-spot” for the off-axis seated audience significantly.

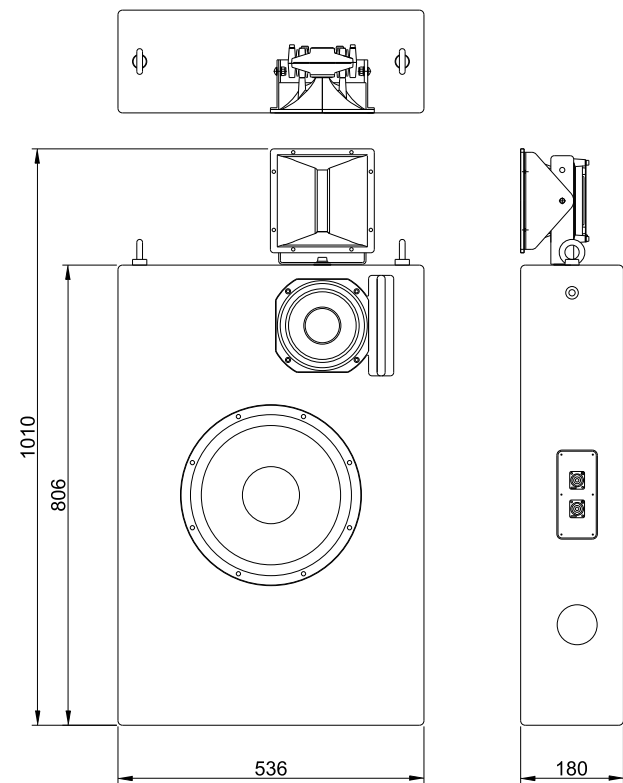
Besides the RBN401, the CR1 comprises a 6.5” vented mid-range and 12” woofer, all with Neodymium motor structures enabling a light weight and compact cabinet design. The unique ultra-shallow enclosure design of only 18cm/7-in. provides for very flexible mounting in even the smallest spaces behind the screen or as surround; Both for on-wall, or in-wall mounting, for which the CR1 is available with front-vented LF (FV).

The low system impedance and fully passive-filtering configuration allows for a very economical power package, where the CR1 is powered and controlled by one channel of an ALC amplified loudspeaker controller; Through the integrated CR1 drive-processing, the ALC offers response optimisation and dedicated protection.
Through the SIS™ (Signal Integrity Sensing) circuit,

the cable-length and connector resistance between the CR1 and ALC is completely compensated (system damping factor >10.000), for further increased accuracy and controlled cone-travel, resulting in a tighter mid and bass.

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dimensional drawing



technical specifications

Frequency response	45 Hz - 20.000 Hz	(+/- 3 dB)
	36 Hz -	(+/- 10 dB)
Sensitivity nominal	98 dB (200 Hz - 10 kHz)	
Nominal impedance	4 ohms	
Recommended drive	Sentinel3 min.	
Nominal SPL peak	127 dB (Sentinel3 200 Hz - 10 kHz)	
	132 dB (Sentinel10 200 Hz - 10 kHz)	
Dispersion H x V	90° x 40° (line-source)	

physical specifications

System	3-way, full range	
Filtering	passive	
Drivers LF	1x AW12.3-4 12", vented	
Drivers MF	1x AM65ND-8 6.5", vented	
Drivers HF	1x RBN401 4" pro-ribbon driver	
Connectors	2x Speakon NL4 input/link	
Physical dimensions	mm	inches
	Height	1008 40.0
	Width	536 21.1
	Depth	180 7.1
Weight (approx.)	kg	lb
	29,8	65,6
Warranty	6 years limited	

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