



# technical specifications CRMS-SRIW/9090

## general

- Reference-quality high-resolution audio ready immersive sound system
- Unique voicing match with Alcons pro-ribbon loaded screen systems
- 1:1 non-compressed sound reproduction, with up to 90% less distortion
- RBN401 pro-ribbon HF driver with exceptional intelligibility and dynamic output
- SIS pre-wired for very high damping and further reduced distortion (with ALC)
- Very wide horizontal and vertical dispersion for extended coverage



## description

The CRMS-SRIW surround is a 2-way passive-filtered full range loudspeaker, designed to meet all requirements of current and future immersive surround sound formats.

Featuring the patented Alcons pro-ribbon driver technology, the CRMS-SRIW combines an exceptional clarity and intelligibility with an unusually high dynamic range, offering the most realistic sound reproduction possible.

The CRMS-SRIW/9090 system consists of one RBN401 pro-ribbon driver for HF and a vented 8" mid-bass for LF reproduction; the HF section has an 800 W peak power input, enabling a 1:15 dynamic range with up to 90% less distortion from 1 kHz to beyond 20 kHz.

The RBN401's patented 90-degrees and patent-pending 90-degrees dispersion up to the highest frequencies not only offers a very wide and coherent direct-field coverage, it also guarantees a consistent reflected diffuse-field. This dramatically enhances the depth and width stereo imaging.

Due to the "compression-less" principle of the pro-ribbon transducer, the system has a linear response at any SPL.

The shallow enclosure of 150mm/5.9-in provides for easy, low profile in-wall or ceiling mounting in typical "2-by-6" wall/ceiling constructions. An optional grill and ACO™ color option is available as well.

For full system performance, the CRMS-SRIW needs to be driven by an ALC controller-amplifier, delivering maximum sound quality with increased headroom and utmost operation reliability. The system is available in 8 ohms and 4 ohms version, for maximum amplifier efficiency in individually-amplified immersive surround systems.

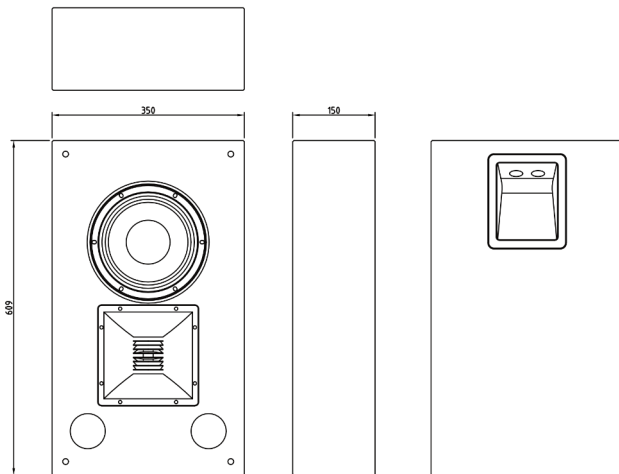
The Signal Integrity Sensing™ pre-wiring ensures complete cable/connector compensation between the CRMS-SRIW and ALC, significantly increasing response accuracy, regardless of cable length and system impedance, with tight and accurate mid and bass response as result.

The CRMS-SRIW/9090 is developed as a compact reference main / screen system - or surround system in immersive sound-for-picture applications. It can also be used as full-range sound system in any installed audio application, where a very high quality sound reproduction with inconspicuous mounting is required.

The CRMS-SRIW system is available with 90° x 40° (“CRMS-SRIW/9040”) or 90° x 90° (“CRMS-SRIW/9090”) dispersion pattern.

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### dimensional drawing



### technical specifications

Frequency response	74 Hz - 20.000 Hz	(+/- 3 dB)
	58 Hz -	(+/- 10 dB)
Sensitivity nominal	99 dB (8 ohms, 200 Hz - 10 kHz)	
	97 dB (4 ohms, 200 Hz - 10 kHz)	
Nominal impedance	8 ohms or 4 ohms	
Recommended drive	Sentinel3 min., max. 3 pcs (8 ohms)	
	1 pce (4 ohms) per channel (2.7 ohms / 4 ohms)	
Nominal SPL peak	125 dB (Sentinel3 8 ohms 200 Hz - 10 kHz)	
	123 dB (Sentinel3 4 ohms 200 Hz - 10 kHz)	
	130 dB (Sentinel10 8 ohms 200 Hz - 10 kHz)	
	129 dB (Sentinel10 4 ohms 200 Hz - 10 kHz)	
Dispersion H x V	90° x 90° (@ 20 kHz)	

### physical specifications

System	2-way, full-range	
Filtering	passive	
Drivers LF	1x AMB8 8", vented	
Drivers HF	1x RBN401 4" pro-ribbon driver	
Connectors	2x Speakon NL4 input/link	
Physical dimensions	mm	inches
	Height	609 24.0
	Width	350 13.8
Depth	150 5.9	
Weight (approx.)	kg	lb
	12.6	27.8
Warranty	6 years limited	

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