



technical specifications MR5

general

- Reference monitor system for critical nearfield sound reproduction
- RBN202 pro-ribbon HF driver with ultimate fidelity
- 1:1 non-compressed linear sound reproduction, with ultra-low distortion
- 1:15 dynamic power handling ratio for virtually infinite headroom
- Very wide constant directivity with exceptional imaging
- Stable, analytical reference even after prolonged working hours



description

The MR5 is a nearfield reference monitor system, to be used for critical sound reproduction in any application where ultimate fidelity response is required, combined with an exceptionally wide dynamic range.

The MR5 is designed as compact main stereo system, or as complement to a larger monitor configuration as surround, i.e. in an immersive sound system.

The MR5 is loaded with the multiple-patented Alcons proprietary RBN202 pro-ribbon driver for MHF. Due to the compression-less principle and the light-weight moving mass of the pro-ribbon transducer technology, the system has a fully linear response at any level with a super-fast transient response; It provides a stable, analytical 1:1 reference without listening fatigue, even after prolonged working hours.

The RBN202 pro-ribbon covers a very wide frequency range to beyond 20 kHz, starting already from 1 kHz,

which is well below traditional designs, thus covering a much larger frequency range in the critical mid-band.

The RBN202's 500 W peak power input (for 200 ms, which is 10x the industry standard) with technology-leading efficiency results in a 1:15 RMS-to-peak dynamic range, which means a virtually infinite headroom.

The unique HempHorn™ with patented constant (120-degrees) horizontal directivity enables a wide and consistent sound field up to the highest frequencies, providing a wide sweet-spot with unmatched 3D phantom imaging; Essential for accurate object placement in immersive systems.

The Alcons custom-designed 5" woofer with Active Coil™, for extremely low-distortion LMF reproduction is a perfect match with the MHF pro-ribbon technology.

The evolutionary ScoopVent™ provides maximum breathing capacity for the cleanest response while maintaining the fast transient response, down to the lowest octaves.

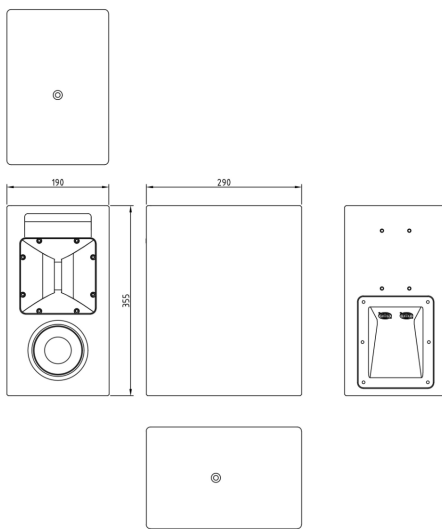
The single-amped MR5 is to be driven by the ALC amplified loudspeaker controller; Through the integrated VHIR™ processing, 192kHz AES3 digital inputs and super-audiophile amplifier stages, the ALC

makes the MR5 deliver absolute maximum sound quality with utmost operation reliability.

This remotely-powered configuration also offers other advantages, such as efficient centralized processing and amplification without difficult accessible electronics; No electrical components and heat build-up behind a screen, in a baffle-wall or against a ceiling.

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dimensional drawing



technical specifications

Frequency response	45 Hz - 20.000 Hz	(+/- 3 dB)
	38 Hz -	(+/-10 dB)
Sensitivity nominal	86 dB (200 Hz - 10 kHz)	
Nominal impedance	4 ohms	
Recommended drive	Director6 min.	
Nominal SPL peak	113 dB (Director6 200 Hz - 10 kHz)	
	112 dB (Sentinel3 200 Hz - 10 kHz)	
Dispersion H x V (single)	120° x 40° (@15kHz)	

physical specifications

System	2-way, full range	
Filtering	passive	
Drivers LF	1x AMB5NDAIC-4 5", vented	
Drivers HF	1x RBN202rs 2" pro-ribbon driver	
Connectors	2x Speakon NL4 input / link	
Physical dimensions	mm	inches
Height	355	14.0
Width	190	7.5
Depth	290	11.4
Weight (approx.)	kg	lb
	8,6	19.0
Warranty	6 years limited	

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