



technical specifications CRS12GT/90

general

- Reference-quality, high output immersive surround sound system
- 1:1 non-compressed linear sound reproduction, under lowest distortion
- Unique voicing match with Alcons pro-ribbon loaded screen systems
- RBN601 pro-ribbon HF driver with exceptional intelligibility and dynamic output
- Very high acoustical output with precise projection and extended low-frequencies
- SIS™ pre-wired for very high damping and further reduced distortion (with ALC)

description

The CRS12GT/90 is a 2-way passive-filtered loudspeaker, designed to meet all requirements of current and future immersive surround sound formats.

Featuring Alcons' patented pro-ribbon driver technology, the CRS12GT/90 combines an exceptional clarity and intelligibility with an unusually high dynamic range and up to 90% less distortion than traditional cinema surround systems. It offers the most realistic immersive surround sound reproduction possible.

By utilizing identical MHF transducers for screen- and surround systems, an exceptionally wide and uniform sound stage throughout the entire listening area is realized.



The CRS12GT/90 system consists of one RBN601 6" pro-ribbon driver for HF and a vented 12" mid-bass for LF reproduction. The CRS12GT/90 HF section has a 1000 W peak power input, enabling a 1:15 dynamic range with lowest distortion from 1 kHz to beyond 20 kHz. The absence of a "compression threshold", caters for a linear tonal balance at any SPL, while the patented horizontal dispersion of the RBN601 guarantees a very stable sound field throughout the operating bandwidth.

Developed as surround system located closest to the screen channels in immersive surround systems, the 90° horizontal by 40° vertical dispersion, in combination with the 10-degree slanted baffle, the trapezoidal cabinet shape and the upside-down speaker arrangement enables a very precise projection on the critical listening area, preventing wall/ceiling reflections.

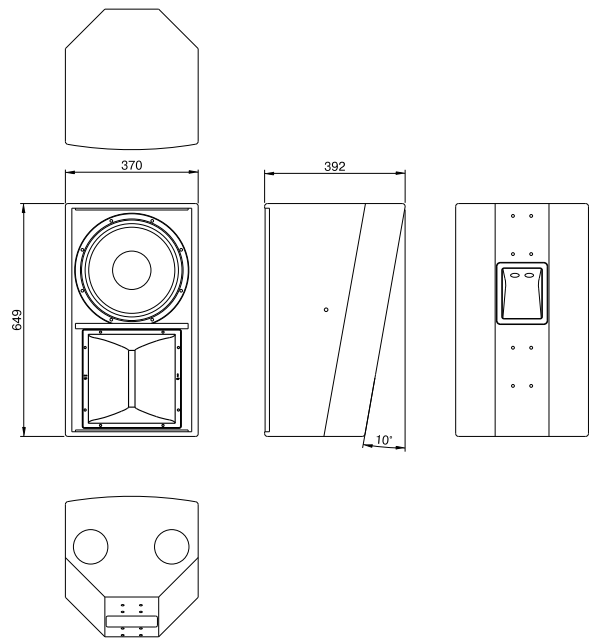
For full system performance, the CRS12GT/90 is to be driven by an ALC controller-amplifier, delivering maximum sound quality with increased headroom and utmost operation reliability. The CRS12GT/90 is available in 8 ohms and 4 ohms version, for maximum amplifier efficiency in individually-amplified immersive surround systems and can be supplied in any RAL™ color for perfect interior blending.

The Signal Integrity Sensing™ pre-wiring ensures complete cable/connector compensation between the CRS12GT/90 and ALC, significantly increasing response accuracy, regardless of cable length and system impedance, with tight and accurate mid and bass response as result.

The CRS12GT is prepared for a universal bracket, with pattern: 4x M8 - 2"x 4.25" (51x108mm).

technical specifications CRS12GT/90

dimensional drawing



technical specifications

Frequency response	66 Hz – 20.000 Hz	(+/- 3 dB)
	52 Hz -	(+/- 10 dB)
Sensitivity nominal	104 dB (8 ohms, 200 Hz - 10 kHz)	
	103 dB (4 ohms, 200 Hz - 10 kHz)	
Nominal impedance	8 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	129 dB (Sentinel3 8 ohms 200 Hz - 10 kHz)	
	131 dB (Sentinel3 4 ohms 200 Hz - 10 kHz)	
	135 dB (Sentinel10 8 ohms 200 Hz - 10 kHz)	
	136 dB (Sentinel10 4 ohms 200 Hz - 10 kHz)	
Dispersion H x V	90° x 40° (40° line-source)	

physical specifications

System	2-way, full-range	
Filtering	passive	
Drivers LF	1x AW12.3ND-8 12" Neodymium, vented	
Drivers HF	1x RBN601 6" pro-ribbon driver	
Connectors	2x Speakon NL4 input/link	
Physical dimensions	mm	inches
	Height	649 25.6
	Width	370 14.6
	Depth	392 15.4
Weight (approx.)	18.6 kg	41.0 lb
Warranty	6 years limited	

A: Alcons Audio
De Corantijn 10
1689 AP ZWAAG
The Netherlands

E: info@alconsaudio.com
W: www.alconsaudio.com
T: +31 (0)229 28 30 90