



## technical specifications MB10

### general

- High-performance reference monitor low-frequency extension system
- Designed for stacked applications in tandem with MR10 reference monitor
- Neodymium dual-coil 10" driver with lowest possible distortion
- Scoop-Vent™ port design for extended, non-compressed output
- Stable, analytical reference even after prolonged working hours
- 1:1 non-compressed linear LF sound reproduction, with ultra-low distortion



### description

The MB10 is the dedicated low-frequency extension system for the MR10 three-way reference monitor, expanding its performance capabilities for applications demanding the highest level of sonic accuracy and dynamic headroom. Together, the MB10 and MR10 form a full-range monitoring solution engineered for critical sound reproduction, where ultimate fidelity, transparency and consistency are essential.

Designed specifically for its role as a low-frequency extension system, the MB10 seamlessly complements the MR10's ultra-reference performance. The low-frequency spectrum is reproduced by a new-generation 10" dual-coil woofer, combining extended excursion capability with exceptionally low distortion.

This dedicated transducer design, different from the MR10's Active Coil™ 10", delivers powerful and accurate sub and bass reproduction while maintaining

the speed, detail and transient response required in critical monitoring environments.

The 10" woofer is loaded by Alcons' evolutionary ScoopVent™ technology, providing maximum breathing capacity for the transducer. This advanced loading principle minimizes compression effects ("port chuffing") and ensures the cleanest, most linear low-frequency response, extending effortlessly into the lowest octaves, down to 26Hz while preserving dynamic integrity at all operating levels.

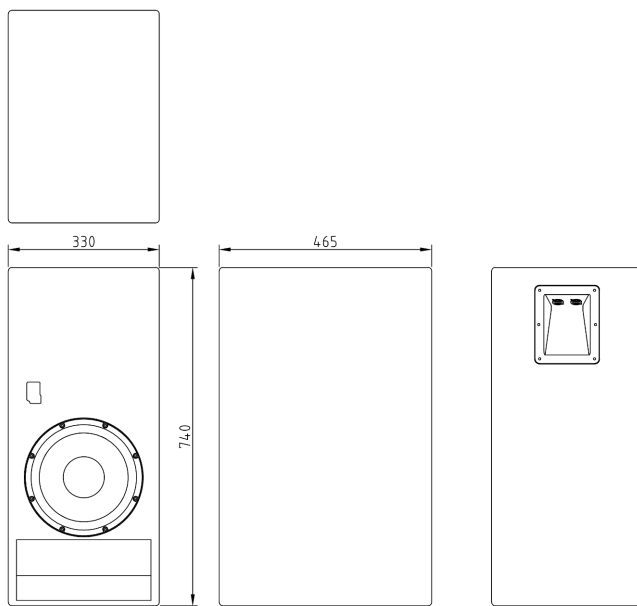
The addition of the MB10 provides enhanced flexibility for a wide range of professional monitoring applications. Dedicated system presets allow users to select different low-frequency reinforcement profiles, optimizing system performance for specific workflows, room acoustics or personal monitoring preferences.

As integral part of the Alcons eco system, the MB10 is to be driven by the ALC amplified loudspeaker controller; Through the integrated VHIR™ processing, 192kHz AES3 digital inputs and audiophile amplifier stages, the ALC makes the MB10 deliver absolute maximum sound quality with utmost operation reliability and flexibility.

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

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### dimensional drawing



### technical specifications

Frequency response	29 Hz - (+/- 3 dB)
	26 Hz - (+/- 10 dB)
Sensitivity nominal	89 dB (29 Hz – 200 Hz)
Nominal impedance	4 ohms
Recommended drive	Sentinel3
Nominal SPL peak	118 dB (Director6 40 Hz - 100 Hz)
	118 dB (Sentinel3 40 Hz - 100 Hz)
	123 dB (Sentinel10 4 ohms 40 Hz - 100 Hz)
Dispersion H x V	omni

### physical specifications

System	bass extension, front-loaded	
Drivers LF	1x AWS10.22ND-4 10", vented	
Connectors	2x Speakon NL2 input/link	
Physical dimensions	mm	inches
Height	740	29.1
Width	330	13.0
Depth	465	18.3
Weight (approx.)	kg	lb
	24	52.9
Warranty	6 years limited	

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

E: [info@alconsaudio.com](mailto:info@alconsaudio.com)  
W: [www.alconsaudio.com](http://www.alconsaudio.com)  
T: +31 (0)229 28 30 90