



technical specifications GB181

general

- High-performance LF system for medium to larger applications
- Neodymium dual-coil 18" drivers with lowest possible distortion
- Flow-Vent™ port design for increased, non-compressed output
- Designed for stacked applications in tandem with GR20 point-source system
- SIS™ pre-wired for very high system damping and further reduced distortion
- Front-positioned NL4 connector for easy cardioid connection



description

The GB181 is the dedicated low-frequency extension to the G-series full-range systems. It can also be combined with any other Alcons pro-ribbon system, in both permanent and portable applications.

The front-loaded GB181 delivers highly accurate bass and sub-bass reproduction with maximum output and minimum distortion, achieved through the long excursion 18" transducer.

This new-generation woofer features a large dual 4.5" voice-coil Neodymium motor, providing significantly extended excursion* while maintaining high sensitivity. The driver has been engineered with specific focus on minimizing distortion. *(excursion not included in SPL_{peak} specification.)

The Flow-Vent™ port design provides maximum breathing capacity, further increases overall output while reducing port compression.

The GB181 can be deployed in different ways: horizontally ground stacked, with a top cabinet (GR20 i.e.) on a pole in the M20 stand flange; Vertically ground stacked, even in multiples, with the GR20 stacked in the speaker-specific recess. Through the front-positioned extra NL4 connector, also a cardioid-stacked array is easily possible, providing maximum rearward LF rejection.

For optimal system performance, the GB181 is powered and controlled by an Alcons ALC amplified loudspeaker controller. Driven by an ALC, the GB181 offers maximum operational headroom, consistent audio quality, and long-term reliability.

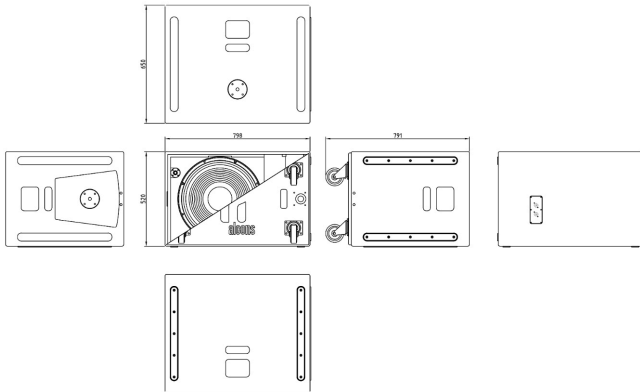
The Signal Integrity Sensing™ pre-wiring provides complete cable and connector compensation between the GB181 and an SIS™ featured ALC; The resulting system damping factor of 10.000 offers further reduced distortion, regardless of cable length or impedance.

Two options are available: an installation version ("GB181i") and a road version ("GB181") with wheel dolly, 2 M20 threaded stand mount flanges and handles. The road version also features a recess for slide-free stacking of a GR20.

The GB181 in road-version is finished in Durotect™ scratch-resistant coating. The GB181 system can be delivered in any RAL color finish, through the Architect Color Option™ program.

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dimensional drawing



technical specifications

Frequency response	34 Hz - 200 Hz	(+/- 3 dB)
	29 Hz -	(+/- 10 dB)
Sensitivity nominal	97 dB (40 - 100 Hz)	
Nominal impedance	8 ohms	
Recommended drive	Sentinel10, max. 3 pcs. per channel (2.7 ohms)	
Nominal SPL peak	123 dB (Sentinel3 40 - 100 Hz)	
	129 dB (Sentinel10 40 - 100 Hz)	
	134 dB (comparative)	
Dispersion H x V	omni / (hyper)cardioid in array with processing	

physical specifications

System	Subwoofer		
Drivers LF	1x AW18.452ND-8 18", vented		
Connectors	3x Speakon NL4 input/link		
Physical dimensions	mm	inches	
	Height	520	20.5
	Width	798	31.4
Depth	650	25.6	
Weight (approx.)	kg	lb	
	GB181	56	123.5
	GB181i	47	103.6
Warranty	6 years limited		

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