



## technical specifications BF121

### general

- High-output, direct-radiating 12" subwoofer system
- Long-excursion double-spider 12" woofer with 4" voice-coil
- Optimal drive performance with ALC amplified loudspeaker controller
- SIS™ pre-wired for very high damping and further reduced distortion
- Low impedance for efficient amplifier loading
- Front-positioned NL4 connector for easy cardioid connection



### description

The BF121 is a high-performance subwoofer system, delivering tight and accurate bass response with very low distortion. It features a single 12" long-excursion woofer, with double-spider suspension and 4" voice-coil in a bass-reflex configuration.

The direct-radiating woofer is mounted in a vented chamber, with large bass reflex port for excellent breathing capacity, increasing overall output while minimising port-compression.

The double baffle board and the combination of complex internal panel lay-out with extensive bracing brings a rigid structure with a high enclosure stiffness from a relatively low-weight package.

For full system performance, the BF121 is driven and controlled by the ALC amplified loudspeaker controller; Driven by the ALC, the BF121 delivers maximum sound quality and output power with long-term operation reliability. The integrated factory presets in the drive processor of the ALC offer gain,

phase and filtering matching with all Alcons top systems, including cardioid projection control presets. The additional front-positioned NL4 connector caters for easy "reverse connection" in cardioid arrays.

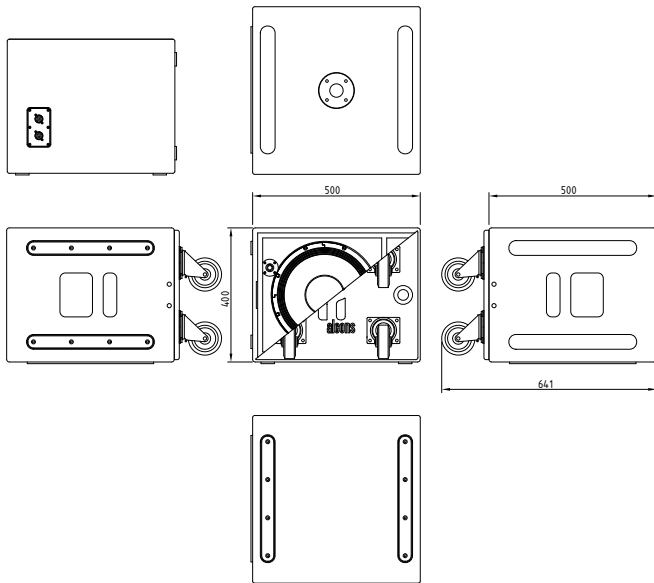
The 4 ohms system impedance, makes for a very efficient amplifier loading; Thus enabling maximum output from a single, very compact configuration.

The BF121 is SIS™ pre-wired: Through the Signal Integrity Sensing circuit of the ALC, the cable-length and connector resistance between the BF121 and ALC is dynamically compensated (system damping factor 10.000), further reducing distortion, while increasing response accuracy.

The BF121 is available in road-version and installation ("i") version, without handles, wheel dolly board and M20 threaded stand mount flange. It is finished in Durotect™ scratch-resistant coating; Through the Architect Color Option™ program, the BF121 can be finished in any RAL™ color.

# technical specifications BF121

## dimensional drawing



## technical specifications

Frequency response	40 Hz - 300 Hz	(+/- 3 dB)
Sensitivity nominal	33 Hz -	(+/- 10 dB)
Sensitivity nominal	94 dB (40 - 100 Hz)	
Nominal impedance	4 ohms	
Recommended drive	Sentinel3 min.	
Nominal SPL peak	123 dB (Sentinel3 40 - 100 Hz)	
	128 dB (Sentinel10 40 - 100 Hz)	
	133 dB (comparative)	
Dispersion H x V	omni / (hyper) cardioid in array with processing	

## physical specifications

System	subwoofer, front loaded	
Drivers LF	1x AW12.4-4 12", vented	
Connectors	3x Speakon NL4 input/link (2 rear, 1 front)	
Physical dimensions	mm	inches
Height	400	15.7
Width	500	19.7
Depth	500	19.7
Weight (approx.)	kg	lb
BF 121	35,5	78.3
BF 121i	29,5	65.0
Warranty	6 years limited	

A: Alcons Audio  
De Corantijn 69  
1689 AN  
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  
F: +31 (0)229 28 30 99