

BASSO2121



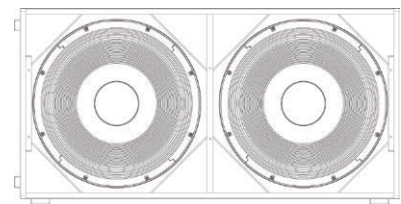
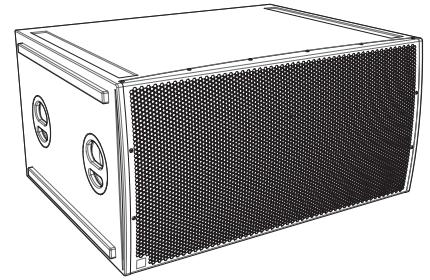
Dual 21" Direct-Radiation Touring & Infra-Extension Subwoofer

QuickStart Guide

The goal of **BASSO2121** is to bring that world-class touring subwoofer performance in a package equivalent in size, weight and set-up requirements to most standard dual 18" subwoofers available in the market today, providing tour sound companies with a cost-effective solution for professional touring set-ups and top subwoofer performance for sound productions and installations of any size, complexity and budget.

BASSO2121 mounts IDEA 21" woofers, with 4" dual voice coils, 1500 W AES power and superlative mechanical and thermal specifications housed in two separated chambers within the enclosure closed by 8 radial large bass-reflex ports. This construction allows a direct radiating bass reflex (with less phase alignment issues when working with line array systems) and the back-pressure inside each woofer chamber to be discharged through the ports symmetrically from the axis of the voice coil and the woofer chassis. This keeps the cone excursion linear, reducing distortion, power compression and improving tone definition at the crossover point and long term reliability. But just as importantly, with this positioning and assembly, the ports become part of the structural reinforcement of the cabinet required to withstand the massive air pressure changes and the mechanical stress while keeping the total size relatively compact.

Like All Idea Loudspeakers **BASSO2121** is built with the necessary structural strength and finish quality required for durable touring use. The high quality 18 mm birch plywood enclosure coated with Idea custom paint solution and a 2 mm steel front grille will keep your equipment safe and brand new after hours of heavy touring.

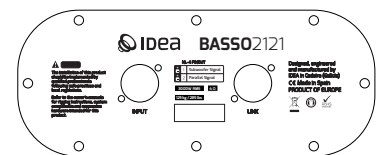


SYSTEM CONFIGURATION AND SETTINGS

BASSO2121 back panel is fitted with a pair of Neutrik NL-4 connectors in parallel for straightforward, flexible installation setup.

NL-4 PINOUT:

+/- 1	Subwoofer Signal
+/- 2	Parallel Signal



RECOMMENDED SETTINGS

LPF@ 60 Hz

Type	Freq	Q	Gain
Bell	41 Hz	5.5	-3.00
Bell	52 Hz	5.0	-1.10
Low Pass	73 Hz	0.8	--
Bell	27 Hz	7.0	1.40
HPF:	20 Hz	Butterworth 18dB	
LPF:	52 Hz	Butterworth 24dB	

LPF@ 75 Hz

Type	Freq	Q	Gain
Bell	55 Hz	15.0	-1.00
Bell	50 Hz	3.0	-4.00
Low Pass	80 Hz	0.8	--
Bell	27 Hz	7.0	1.50
Bell	60 Hz	6.0	0.50
HPF:	20 Hz	Butterworth 18dB	
LPF:	62 Hz	Butterworth 24dB	

LPF@ 100 Hz

Type	Freq	Q	Gain
Bell	70 Hz	5.0	-2.50
Bell	54 Hz	3.0	-4.10
Low Pass	100 Hz	0.8	--
Bell	27 Hz	7.0	1.50
HPF:	20 Hz	Butterworth 18dB	
LPF:	77 Hz	Butterworth 24dB	

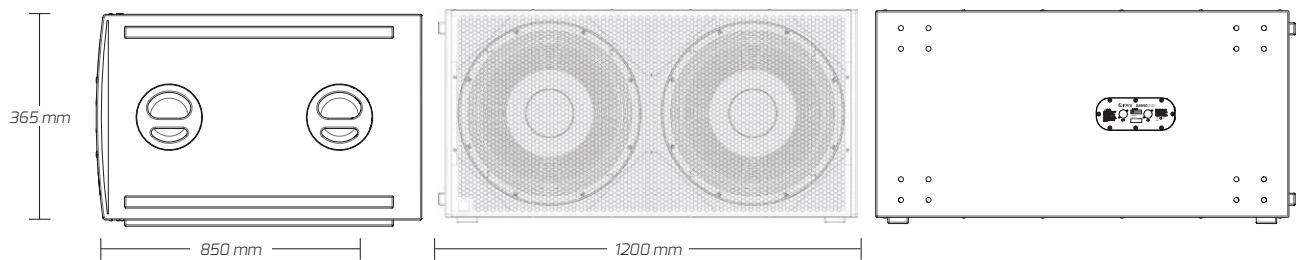
TECHNICAL DATA

Enclosure design	Bass Reflex
Transducers	2 x 21"
RMS Power Handling *	3 000 W
Nominal Impedance	4 Ohm
SPL (Continuous/Peak)	136/142 dB SPL
Frequency Response (-10 dB)	20 - 80/95/120 Hz
Frequency Range (-3 dB)	24 - 60/75/100 Hz
Dimensions (WxHxD)	1200 x 600 x 950 mm (47,2 x 23,6 x 37,4 inch)
Weight	129,5 kg (285,4 lbs)
Connectors	2 x Neutrik speakON® NL-4 in Parallel
+/-1	Input
+/-2	Link
Cabinet Construction	18 mm Plywood
Grille	2 mm perforated weatherised steel with protective foam
Finish	Durable IDEA proprietary Aquaforce paint coating process
Handles	4 integrated handles
Feet/Skates	4 skates (H/V)
Installation	2 x 36 mm Pole mount sockets (H/V)
Accessories	35 mm Pole (K&M-21338) Wheels (WH-04)

* IEC filtered pink noise with a 6dB crest factor, 2 hours.

** Frequency range values for recommended factory presets.

TECHNICAL DRAWINGS





www.ideaproaudio.com



For further information scan the QR Code
or refer to the following web address: www.ideaproaudio.com/basso36

IDEA is always in pursuit of better performance, greater reliability and design features.
Technical specifications and minor finish details may vary without notice in order to improve our products.

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