

# BASSO2121



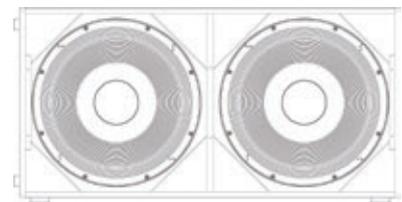
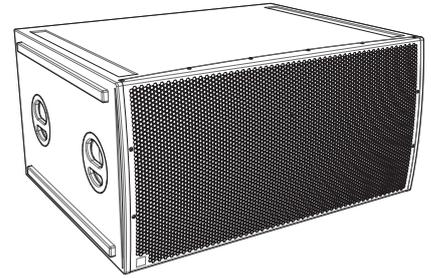
## Dual 21" Direct-Radiation Touring & Infra-Extension Subwoofer

## 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, 1400 W 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.

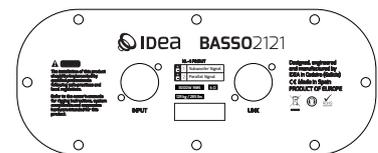


### SYSTEM CONFIGURATION AND SETTINGS

**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
<b>HPF:</b>	20 Hz	Butterworth 18dB	
<b>LPF:</b>	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
<b>HPF:</b>	20 Hz	Butterworth 18dB	
<b>LPF:</b>	62 Hz	Butterworth 24dB	

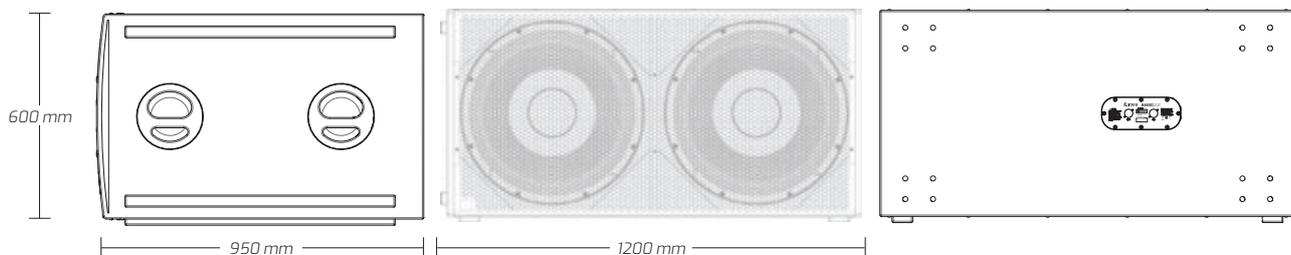
#### LPF@ 100 Hz

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
<b>HPF:</b>	20 Hz	Butterworth 18dB	
<b>LPF:</b>	77 Hz	Butterworth 24dB	

## TECHNICAL DATA

<b>Enclosure design</b>	Bass Reflex
<b>Transducers</b>	2 x 21"
<b>Power Handling (RMS)</b>	3 kW
<b>Nominal Impedance</b>	4 Ohm
<b>SPL (Continuous/Peak)</b>	136/142 dB SPL
<b>Frequency Range (-10 dB)</b>	20 - 80/95/120 Hz
<b>Frequency Range (-3 dB)</b>	24 - 60/75/100 Hz
<b>Dimensions (WxHxD)</b>	1200 x 600 x 950 mm (47.2 x 23.6 x 37.4 in)
<b>Weight</b>	130 kg (286.5 lb)
<b>Connectors</b>	2 x Neutrik speakOn NL-4 in parallel
<b>+/-1</b>	Input
<b>+/-2</b>	Link
<b>Cabinet Construction</b>	18 mm Plywood
<b>Grille</b>	2 mm perforated weatherised steel with protective foam
<b>Finish</b>	Durable IDEA proprietary Aquaforce paint coating process
<b>Handles</b>	4 integrated handles
<b>Feet/Skates</b>	4 skates (H/V)
<b>Installation</b>	36 mm Pole mount socket (H/V)
<b>Accessories</b>	35 mm Pole (K&M-21336) Wheels (WH-04)

## TECHNICAL DRAWINGS



## WARNINGS AND SAFETY GUIDELINES

- Read this document thoroughly, follow all safety warnings and keep it for future reference.
-  · The exclamation mark inside a triangle indicates that whatever repairing and component replacement operations must be done by qualified and authorized personnel.
- No user serviceable parts inside.
- Only use accessories tested and approved by IDEA and supplied by the manufacturer or an authorized dealer.
- Installations, rigging and suspension operations must be done by qualified personnel.
- Only use accessories specified by IDEA, complying with maximum loads specifications and following local safety regulations.
-  · Read the specifications and connection instructions before proceeding to connect the system and use only cabling supplied or recommended by IDEA. Connection of the system should be done by qualified personnel.
- Professional sound reinforcement systems can deliver high SPL levels that may result in hearing damage. Do not stand close to the system while in use.
-  · Loudspeaker produce magnetic field even while they are not in use or even when disconnected. Do not place or expose loudspeakers to any device that is sensitive to magnetic fields such as television monitors or data storage magnetic material.
- Disconnect the equipment during lightning storms and when it is not to be used for a long time.
- Do not expose this device to rain or moisture.
- Do not place any objects containing liquids, such as bottles or glasses, on the top of the unit. Do not splash liquids on the unit.
- Clean with a wet cloth. Do not use solvent-based cleaners.
- Regularly check the loudspeaker housings and accessories for visible signs of wear and tear, and replace them when necessary.
- Refer all servicing to qualified service personnel.
-  · This symbol on the product indicates that this product should not be treated as household waste. Follow local regulation for recycling of electronic devices.
- IDEA declines any responsibility from misuse that may result in malfunction or damage of the equipment.

## WARRANTY

- All IDEA products are guaranteed against any manufacturing defect for a period of 5 years from date of purchase for acoustical parts and 2 years from date of purchase for electronic devices.
- The guarantee excludes damage from incorrect use of the product.
- Any guarantee repair, replacement and servicing must be exclusively done by the factory or any of authorized service centres.
- Do not open or intend to repair the product; otherwise servicing and replacement will not be applicable for guarantee repair.
- Return the damaged unit, at shipper's risk and freight prepaid, to the nearest service centre with a copy of the purchase invoice in order to claim guarantee service or replacement.

## DECLARATION OF CONFORMITY

*I MAS D ELECTROACÚSTICA SL  
POL. A TRABE 19-20 15350 CEDEIRA (GALICIA - SPAIN)  
DECLARES THAT: BASSO2121  
COMPLIES WITH THE FOLLOWING EU DIRECTIVES:  
ROHS (2002/95/CE) RESTRICTION OF HAZARDOUS SUBSTANCES  
LVD (2006/95/CE) LOW VOLTAGE DIRECTIVE  
EMC (2004/108/CE) ELECTRO-MAGNETIC COMPATIBILITY  
WEEE (2002/96/CE) WASTE OF ELECTRIC AND ELECTRONIC EQUIPMENT  
EN 60065: 2002 AUDIO, VIDEO AND SIMILAR ELECTRONIC APPARATUS. SAFETY REQUIREMENTS.  
EN 55103-1: 1996 ELECTROMAGNETIC COMPATIBILITY: EMISSION  
EN 55103-2: 1996 ELECTROMAGNETIC COMPATIBILITY: IMMUNITY*



[www.ideaproaudio.com](http://www.ideaproaudio.com)



For further information scan the QR Code  
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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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