BASSO18



18" High Performance Direct Radiation Professional Subwoofer

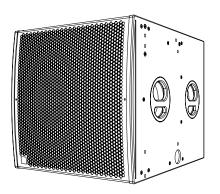
QuickStart Guide

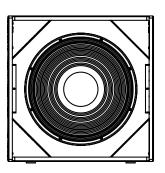
Many key factors are to be considered when configuring the subwoofer section of a loudspeaker system to perfectly match each application: size/weight, logistic and operational setups, SPL needs, LF extension, cost limitations, as well as sound engineer preferences (depending on different the type and size of the event) or audio program characteristics and regional style taste for subwoofer mixes.

BASSO Series models allow the user to choose the most adequate subwoofer for any given situation from within a family of products with common finish, design solutions and performance philosophy as well as shared rigging and transport accessories.

BASSO18 is a high-density single 18" direct radiation subwoofer that delivers a very natural, linear response in the VLF range from 28 Hz up to 180 Hz. Built with 18" Premium birch plywood and fitted with a 2 mm steel grille, this medium format medium format cabinet is finished with IDEA Aquaforce weatherized coating to endure life on the road or stylishly integrate in any installation.

BASSO18 seamlessly matches with 2-way loudspeakers in **LUA** and **EXO** Series maximizing the high-density performance of these systems for a wide range of portable, mobile and install professional sound reinforcement applications, from high power club sound systems and medium size live music events to rental and touring companies.





SYSTEM CONFIGURATION AND SETTINGS

BASSO18 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

l PFa	0-	
rrra	00	П

LPF:

72 Hz

Туре	Type Fred		l	Q	Gain
Bell	75 H		lz	5.0	0.80
Low Pass		120 Hz		0.8	
Bell		35 Hz		2.5	0.20
Bell 75 i		75 ⊦	lz	6.0	0.70
HPF:	20 Hz		Rutt	erworth	12dB
111111	ZU Z		Duce	CI WOI CI	1 1200

Butterworth 24dB

LPF@ 100 Hz

Type

LPF:	88 Hz		Butterworth 24dB		
HPF:	20 Hz		Butterworth 12dB		
Bell		75 Hz		8.0	-1.00
Bell	35		Ηz	2.5	0.20
Low Pass		130 Hz		0.8	-
Bell	55 F		ΗZ	3.U	U.4U

Frea

Q

Gain

LPF@ 120 Hz

Type		Frec	1	Q	Gain
Bell		90 F	Ηz	7.5	-3.80
Low Pas	is	160	Hz	0.8	-
Bell		35 H	łz	2.5	0.20
Bell		103	Hz	8.0	0.70
HDE.	20 Hz		Butt	erworth	12dB

HPF:20 HzButterworth 12dBLPF:107 HzButterworth 24dB

LPF@ 150 Hz

Туре	Freq	Q	Gain
Bell	95 Hz	4.3	-4.50
Low Pass	190 Hz	0.6	
Bell	35 Hz	2.5	0.20
Bell	140 Hz	1.0	1.50

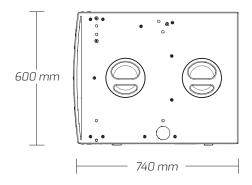
HPF:	20 Hz	Butterworth 12dB		
LPF:	130 Hz	Butterworth 24dB		

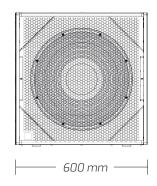


TECHNICAL DATA

Enclosure design	Bass Reflex	
Transducers	1 x 18"	
Power Handling (RMS)	1.2 kW	
Nominal Impedance	8 Ohm	
SPL (Continuous/Peak)	131/137 dB SPL	
Frequency Range (-10 dB)	28 - 100/120/150/180 Hz	
Frequency Range (-3 dB)	34 - 85/100/120/150 Hz	
Dimensions (WxHxD)	600 x 600 x 740 mm (23.6 x 23.6 x 29.1 in)	
Weight	52 kg (114.6 lbs)	
Connectors +/-1 +/-2	2 x Neutrik speakOn NL-4 in parallel Input 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 rubber feet	
Installation	36 mm Pole mount socket	
Accessories	Riggin Frame (RF-600) Riggin System (RS-BASSO-L) Wheels (WH-04) 35 mm Pole (K&M-21336)	

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: BASSO18

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 EOUIPMENT

EN 60065: 2002 AÚDIO, VIDEO AND SIMILAR ELECTRONIC APPARATUS. SAFETY REQUIRE-MENTS.

EN 55103-1: 1996 ELECTROMAGNETIC COMPATIBILITY: EMISSION EN 55103-2: 1996 ELECTROMAGNETIC COMPATIBILITY: IMMUNITY



www.ideaproaudio.com



For further information scan the QR Code or refer to the following web address: **www.ideaproaudio.com/product-detail/basso18**

