

LF-218



Dual-18" Band-Pass Compact Multipurpose Subwoofer

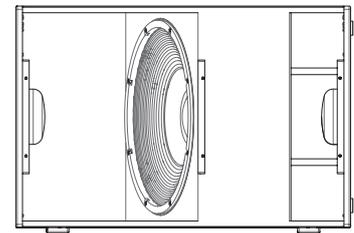
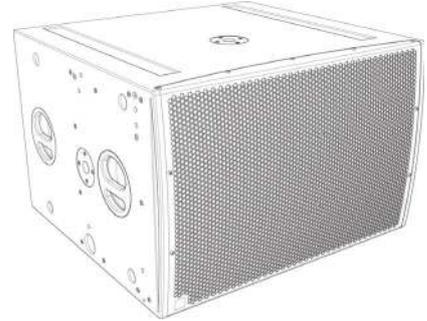
QuickStart Guide

LF 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.

LF-218 is compact Dual 18" multipurpose high output subwoofer for a very wide range of configurations of both professional portable sound reinforcement, touring and premium installations.

Like All IDEA Loudspeakers LF-218 is built with the necessary structural strength and finish quality required for durable touring use. Its high quality 18 mm birch plywood enclosure covered with DUTCH ACOUSTICS Aquaforce custom paint solution and a 2 mm steel front grill will keep your equipment safe and brand new after hours of heavy touring.

LF-218 features four integrated handles and two 35 mm pole mount sockets for vertical and horizontal set-ups. Optional wheels kit is also available.

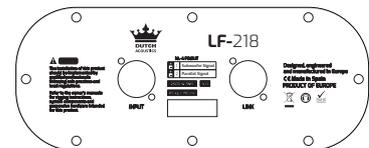


SYSTEM CONFIGURATION AND SETTINGS

LF-218 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@ 100 Hz

Type	Freq	Q	Gain
Bell	129 Hz	9.0	-3.60
Bell	200 Hz	5.0	-1.50
Bell	85 Hz	5.0	2.00
HPF:	38 Hz	Butterworth 18dB	
LPF:	98 Hz	Butterworth 24dB	

LPF@ 120 Hz

Type	Freq	Q	Gain
Bell	131 Hz	9.0	-2.80
Bell	200 Hz	4.0	-7.00
Bell	100 Hz	4.5	1.90
HPF:	38 Hz	Butterworth 18dB	
LPF:	120 Hz	Butterworth 18dB	

LPF@ 150 Hz

Type	Freq	Q	Gain
Bell	129 Hz	9.0	-3.00
Bell	200 Hz	5.0	-4.00
Bell	100 Hz	4.5	1.50
HPF:	38 Hz	Butterworth 18dB	
LPF:	160 Hz	Butterworth 18dB	

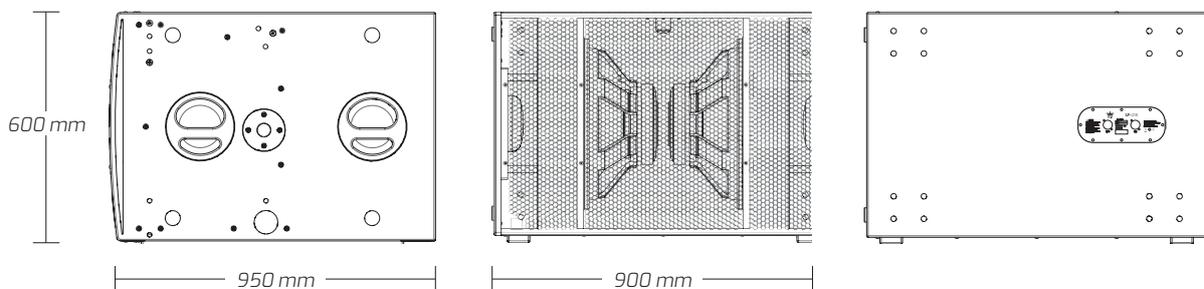
TECHNICAL DATA

Enclosure design	Symmetrical Air mass Loading 5th order Band-Pass
Transducers	2 x 18"
RMS Power Handling *	2 500 W
Nominal Impedance	4 Ohm
SPL (Continuous/Peak)	135/141 dB SPL
Frequency Range (-10 dB)	45 - 120/150/180/200 Hz
Frequency Range (-3 dB)	54 - 100/120/145/160 Hz
Dimensions (WxHxD)	900 x 600 x 850 mm (35,4 x 23,6 x 33,5 inch)
Weight	89 kg (196,2 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	Two 36 mm Pole mount sockets (H/V)
Accessories	Riggin Frame (RF-900) Riggin Frame adaptor (RF-9060) Riggin System (RS-BASSO-L) 35 mm Pole (K&M-21338)

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

** Frequency range values for recommended factory presets.

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 DUTCH ACOUSTICS 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 DUTCH ACOUSTICS, 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 DUTCH ACOUSTICS. 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.
-  • Loudspeakers 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.
- DUTCH ACOUSTICS declines any responsibility from misuse that may result in malfunction or damage of the equipment.

WARRANTY

- All DUTCH ACOUSTICS 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

MADE IN EUROPE

LF-218 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



DUTCH ACOUSTICS 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.