

LF-118



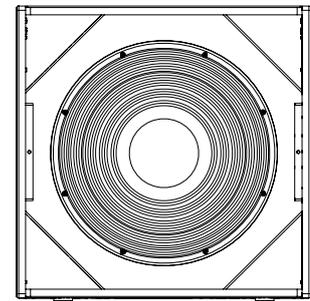
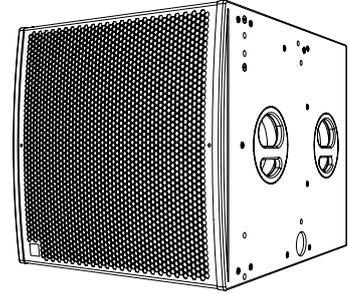
18" High Performance Direct Radiation Professional Subwoofer

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.

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-118 is a high-density single 118" direct radiation subwoofer that delivers a very natural, linear response in the VLF range from 28 Hz up to 1180 Hz. Built with 18" Premium birch plywood and fitted with a 2 mm steel grille, this medium format medium format cabinet is finished with Aquaforce weatherized coating to endure life on the road or stylishly integrate in any installation.



SYSTEM CONFIGURATION AND SETTINGS

LF-118 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@ 85 Hz				LPF@ 100 Hz				LPF@ 120 Hz				LPF@ 150 Hz			
Type	Freq	Q	Gain	Type	Freq	Q	Gain	Type	Freq	Q	Gain	Type	Freq	Q	Gain
Bell	75 Hz	5.0	0.80	Bell	55 Hz	3.0	0.40	Bell	90 Hz	7.5	-3.80	Bell	95 Hz	4.3	-4.50
Low Pass	120 Hz	0.8	--	Low Pass	130 Hz	0.8	--	Low Pass	160 Hz	0.8	--	Low Pass	190 Hz	0.6	--
Bell	35 Hz	2.5	0.20	Bell	35 Hz	2.5	0.20	Bell	35 Hz	2.5	0.20	Bell	35 Hz	2.5	0.20
Bell	75 Hz	6.0	0.70	Bell	75 Hz	8.0	-1.00	Bell	103 Hz	8.0	0.70	Bell	140 Hz	1.0	1.50
HPF:	20 Hz	Butterworth 12dB		HPF:	20 Hz	Butterworth 12dB		HPF:	20 Hz	Butterworth 12dB		HPF:	20 Hz	Butterworth 12dB	
LPF:	72 Hz	Butterworth 24dB		LPF:	88 Hz	Butterworth 24dB		LPF:	107 Hz	Butterworth 24dB		LPF:	130 Hz	Butterworth 24dB	

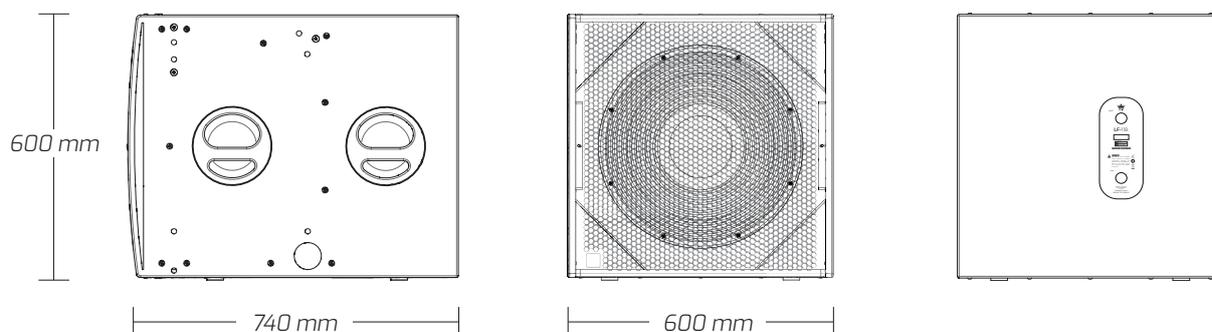
TECHNICAL DATA

Enclosure design	Bass Reflex
Transducers	18" High performance woofer
RMS Power Handling *	1 250 W
Nominal Impedance	8 Ohm
SPL (Continuous/Peak)	131/137 dB SPL
Frequency Response (-10 dB)	28 - 100/120/150/1180 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 inch)
Weight	54 kg (119 lbs)
Connectors	2 x Neutrik speakON® NL-4 in Parallel
+/-1	Input
+/-2	Link
Cabinet Construction	118 mm Plywood
Grille	2 mm perforated weatherised steel with protective foam
Finish	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-LF-L) Wheels (WH-04) 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-118 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.