

L7 118 Sub A

NETWORKED AUDIO PRECISION >

Active subwoofer

Part number: 1007754

The L7 118 Sub A is a network-compatible, active bass reflex subwoofer. Its bass reflex construction allows for compact dimensions. Thanks to a weight of just 42 kilograms, it is extremely easy to transport. A powerful, precise bass reproduction makes this active bass the ideal complement to the LINEAR 7 T mid/high units.

What's more, it meets all the requirements for quickly and easily implementing effective cardioid setups, both mechanically and with the available filter sets. Thanks to its stereo preamplifier, it is also ideal for use in 2.1 systems.

Four DSP presets can be selected directly on the subwoofer without a PC connected. In addition to three standards (Front, Cardioid 1:1 and Cardioid 2:1), a fourth user-designed preset can also be accessed.

Cardioids in practice

While medium and high frequencies are naturally directional, low frequencies are spherical. This often leads to an unpleasant excess of low bass on and behind the stage. An even more serious issue is that it is becoming increasingly common for event organizers to set precise specifications for sound distribution. In the bass range, this can only be achieved with cardioid technology. The 18" LINEAR 7 Subwoofer therefore meets all the requirements for quickly and easily implementing effective cardioid setups, both mechanically and with the available filter sets.

Characteristics

- Active subwoofer with network control
- 1x 18-inch bass speaker with 4" voice coil
- Internal presets for fast implementation of cardioid setups
- DSP platform with fully parametric 10-band EQ, delay and limiting for uncompromised individual adjustment
- Modern network technology for precise control of all DSP features
- Additional DSP-Out with the full range of features of the DSP that lets you operate a non-network-compatible loudspeaker
- Direct access to easily selectable presets on the speaker for Cardioid 1:1 and Cardioid 2:1
- High-resolution AD/DA converters with 96 kHz and low latency of less than 2.6ms
- M20 tripod thread for mounting mid/high units via tripod
- Professional Powercon and Ethercon connections
- Sturdy housing made of birch multiplex



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Technical data

L7 115 FA	
Max. SPL @ 10% THD	129 dB half space (42 Hz – 100 Hz averaged)
Max. SPL peak @ 10 % THD	131 dB half space
Frequency response +/-3 dB	42 Hz – X-over
Frequency response -10 dB	38 Hz – X-over
Power amp output (peak power)	2000 W
Amp type	Class D
LF driver	1x 18", 4" voice coil
Maximum input level	+20 dBu
Analog inputs	2x XLR combo balanced
Analog thru	2x XLR balanced
DSP Out	1x XLR
Network port	Ethercon RJ45, 1x In, 1x Thru
Filter presets	Front, Cardioid 1:1, Cardioid 2:1, Remote
Remote software	DSP CONTROL (Windows, Mac OS)
DSP functions	Fully parametric 10-band EQ with variable filter characteristics, Low-Pass Filter, Polarity, Level, Delay, Limiter, Mute
Sample rate	96 kHz
System latency	Less than 2.6 ms
Mains connector	1x Powercon NAC3 In, 1x Powercon NAC3 Thru, 100–240 V
Power consumption	1.9 A / 100–240 V nominal according to EN 62368-1
Pole mount	1x M20
Carrying handles	2x MultiGrip
Housing	Birch multiplex
Finish	Black acrylic enamel
Front grille	2 mm metal grille backed with black acoustic foam
Dimensions (WxHxD)	55 x 56 x 69 cm / 21-21/32 x 22-3/64 x 27-11/64"
Weight	41 kg / 90.4 lbs



Accessories



Rear Protection Plate

Part number: 1007825

The Rear Protection Plate, which is made of sturdy aluminium, not only protects the electronics of the L7 118 Sub A from splash water, but also from unauthorized access, e.g. in Cardioid mode. Thanks to the keyhole shaped holes, the wing screws only need to be loosened slightly to remove the plate. The slanted top serves as a runoff surface in case of rain, whilst the grille required for ventilation of the electronics is backed with acoustic foam, effectively protecting connections and controls. The acoustic foam also darkens the LEDs, which is helpful in Cardioid operation on dark stages, but still allows the status of the LEDs to be seen.



Tilt-Unit

Part number: 1007538

To tilt the mid/high units when mounted directly on subwoofers, HK Audio offers the Tilt-Unit as an accessory which can be screwed into the M20 mount of the L7 118 Sub A just like a mounting pole. This means that the DuoTilt can also be used at tilt angles of both -3° and -7° in a stack setup, and the Tilt-Unit prevents the mid/high units from slipping.



Weather Protective Cover for L7 118 Sub A

Part number: 1007786

The Weather Protective Cover for the L7 118 Sub A is a padded protective cover that protects the speaker from scratches and or other visual damage during transport.

