



SB118 SUBWOOFER

DESCRIPTION

The **SB118** enclosure is a recommended subwoofer companion for the KUDO®, dV-DOSC, ARCS®, KIVA and XT systems, lowering the combined system operating range down to 32 Hz.

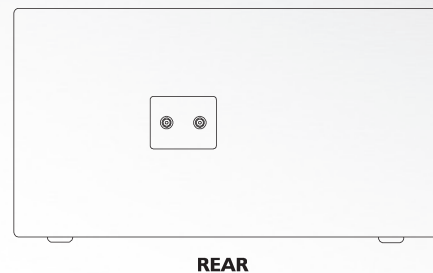
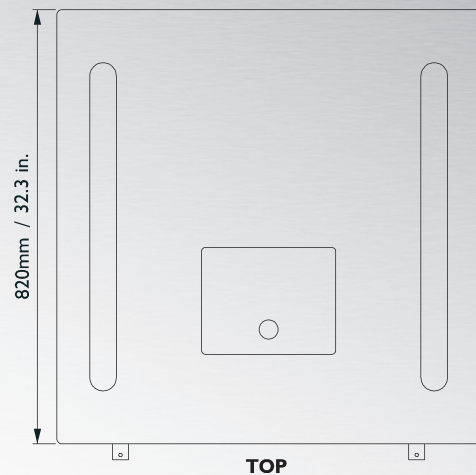
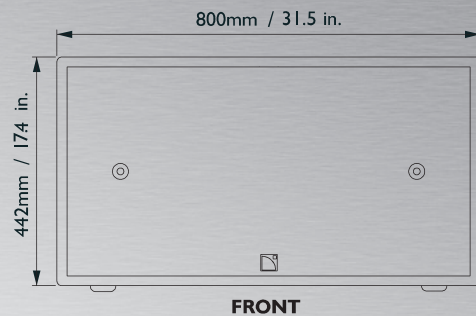
The SB118 contains a single 18" LF transducer integrated into a dual bass-reflex tuned enclosure. The specifically designed 18" transducer for the SB118 provides exceptional low thermal compression and reduced distortion even at the very highest operating levels. The dual bass-reflex design approach allows the SB118 to deliver both impact and high sensitivity factor. These combined properties contribute to the sonic qualities of the SB118 in terms of precision and musicality. Its compact size and associated tuning ratio combined with superior damping characteristics make it extremely well suited for coupled and multiple configurations. All these qualities combine to allow for ergonomic applications of acoustically optimized and non obtrusive FOH subwoofer systems.

The control and amplification of the SB118 is managed by either the LA4 or LA8 platform. The onboard DSP filtering encompasses advanced crossover functions, system EQ, and dual thermal and over-excursion protection of the transducer. The L-ACOUSTICS® LA4 and LA8 amplified controllers offer the following drive modes:

- The "standard" mode using SB118 as a companion to KUDO®, dV-DOSC, ARCS®, KIVA and featuring a low-pass filter at 60 Hz ([SB118_60] preset) or as a companion to dV-DOSC, ARCS® and XT with a low-pass filter at 100 Hz ([SB118_100] preset).
- The "cardioid" mode using SB118 as a companion to KUDO®, dV-DOSC, ARCS®, KIVA featuring a low-pass filter at 60 Hz ([SB118_60_C] preset) or a companion to dV-DOSC, ARCS® and XT with a low-pass filter at 100 Hz ([SB118_100_C] preset)

The performance of the SB118 enclosure depends upon the choice of preset and physical system configuration.

Made of high grade Baltic birch plywood, the cabinet also features a pole mount socket for use with XT or two KIVA enclosures.



CHARACTERISTICS

Low frequency limit (-10dB)	32 Hz ([SB118_100] preset)
Maximum SPL ¹	135 dB ([SB118_100] preset)
Long term RMS handling capacity	600 W
Components	
LF:	1 x 18" weather-resistant, (4" coil, aluminium die-cast basket, vented magnet design) Nominal impedance: 8 ohms

Physical data	
W x H x D:	800 x 442 x 820 mm 31.5 x 17.4 x 32.3 in
Weight (net):	61 kg 134.5 lb.
Connectors:	2 x 4-pin Speakon®
Material:	18 and 24 mm Baltic birch plywood
Finish:	grayish-brown RAL 8019®
Front:	sandblast-coated steel grill
Rigging ² :	pole mount socket, integrated rails for flying, stacking runners

1 Peak level measured at 1m under half space conditions using 10 dB crest factor pink noise with specified preset and corresponding EQ settings.
2 Installation guidelines are specified in the SOUNDVISION software designed to help with L-ACOUSTICS® product implementation.