



SB18

COMPACT HIGH POWER SUBWOOFER

The **SB18** is the universal subwoofer designed for modular WST® line sources and coaxial systems, lowering the combined system operating range down to 32 Hz. Its compact size and integrated rigging make it extremely well suited for flown coupled configurations with KARA®.

The association of a specifically designed 18" transducer with a dual bass-reflex tuned enclosure provides exceptional impact and high sensitivity, low thermal compression and reduced distortion. The vents feature a progressive profile allowing laminar airflow and reduced turbulence noise even at the very highest operating levels. These combined properties contribute to the sonic qualities of the SB18 in terms of precision and musicality.

The control and amplification of the SB18 is managed by either the LA4 or LA8 (LA-RAK) platform. The onboard DSP filtering encompasses advanced crossover functions, system EQ, and dual thermal and over-excursion protection of the transducer. The L-ACOUSTICS® amplified controllers offer the following drive modes:

- The "standard" mode using SB18 as a companion to KUDO, KARA®, KIVA-KILO, ARCS® and featuring a low-pass filter at 60 Hz ([SB18_60] preset) or closely coupled to KARA®, ARCS® and XT with a low-pass filter at 100 Hz ([SB18_100] preset).
- The "cardioid" mode using SB18 as a companion to KUDO, KARA®, KIVA-KILO, ARCS® and featuring a low-pass filter at 60 Hz ([SB18_60_C] preset) or closely coupled to KARA®, ARCS® and XT with a low-pass filter at 100 Hz ([SB18_100_C] preset).

The performance of the SB18 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 one XT or two KIVA enclosures.



Low frequency limit (-10dB)	32 Hz ([SB18_100] preset)
Maximum SPL¹	138 dB ([SB18_100] preset)
RMS handling capability	700 W
Components	LF: 1 x 18" weather-resistant, (4" coil, aluminium die-cast basket, vented magnet design) Nominal impedance: 8 ohms
Rigging²	Steel, certified for: 16 SB18 (BGV-C1 compliant)
Physical data	W x H x D: 750 x 540 x 707 mm - 29.5 x 21.3 x 27.8 in Weight (net): 52 kg - 114.5 lbs Connectors: 2 x 4-point Speakon® Material: baltic birch plywood Finish: dark grey brown Pantone® 426C Front: polyester powder-coated steel grill, airnet® acoustically neutral fabric Rigging: pole-mount socket, integrated rigging for flying and stacking (steel with dual coating zinc and polyester powder)

1 Peak level at 1 m under half space conditions using pink noise with crest factor 4 (preset specified in brackets).
2 Installation guidelines are specified in SOUNDVISION software designed to help with L-ACOUSTICS® product implementation.

