



# SB28

## HIGH POWER SUBWOOFER

The **SB28** enclosure is a recommended subwoofer companion for the KI, KUDO®, V-DOSC® and ARCS® systems, lowering the combined system operating range down to 25 Hz.

The SB28 contains two 18" direct radiating LF transducers integrated into a bass-reflex tuned enclosure. The specially designed 18" transducers provide an exceptional cone excursion capability combined with low thermal compression even at the very highest operating levels. The bass-reflex vents feature a progressive profile allowing laminar airflow. The association of the modern components with the new vents delivers a greatly improved +5 dB peak SPL output compared to the previous standards.

The control and amplification of the SB28 is managed by the LA8 platform. The DSP filtering encompasses advanced crossover functions, system EQ, and L-DRIVE thermal and over-excursion protection of the transducers. The L-ACOUSTICS® LA8 amplified controller offers the following drive modes:

- The "standard" mode using SB28 as a companion to KI, KUDO®, V-DOSC® and ARCS®, featuring a low-pass filter at 60 Hz ([SB28\_60] preset) or closely coupled to ARCS® with a low-pass filter at 100 Hz ([SB28\_100] preset)
- The "cardioid" mode using SB28 as a companion to KI, KUDO®, V-DOSC®, and ARCS®, featuring a low-pass filter at 60 Hz ([SB28\_60\_C] preset) or closely coupled to ARCS® with a low-pass filter at 100 Hz ([SB28\_100\_C] preset).

The performance of the SB28 enclosure depends upon the choice of preset and physical system configuration.

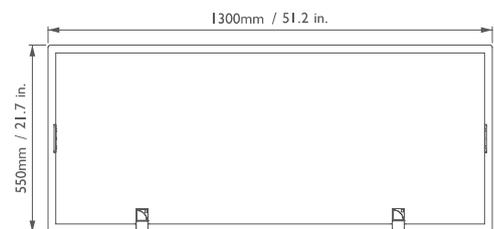
Made of high grade Baltic birch plywood, the cabinet also features industry standard Aeroquip® rails for line array rigging.



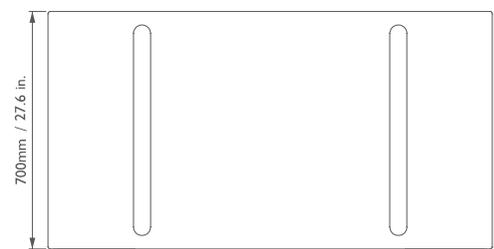
<b>Low frequency limit (-10dB)</b>	25 Hz ([SB28_100] preset)
<b>Maximum SPL<sup>1</sup></b>	140 dB ([SB28_100] preset)
<b>RMS handling capability</b>	1225 W ([SB28_100] preset)
<b>Components</b>	LF: 2 x 18" weather-resistant, (4" coil, aluminium die-cast basket, vented magnet design) Nominal impedance: 4 ohms
<b>Physical data</b>	W x H x D: 1300 x 550 x 700 mm - 51.2 x 21.7 x 27.6 in Weight (net): 93 kg - 205 lbs. Connectors: 1 x 4-pin Speakon® Material: 18 and 24 mm Baltic birch plywood Finish: grayish-brown RAL 8019® Front: polyester powder-coated steel grill, airnet® acoustically neutral fabric Rigging: integrated rails for flying, stacking runners

<sup>1</sup> Peak level measured at 1m under half space conditions using 10 dB crest factor pink noise with specified preset and corresponding EQ settings.

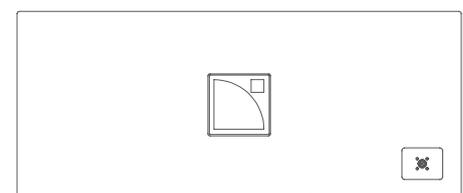
<sup>2</sup> Installation guidelines are specified in the SOUNDVISION software designed to help with L-ACOUSTICS® product implementation.



FRONT



TOP



REAR