

PRELIMINARY

SB6i ULTRA-SHALLOW SUBWOOFER



- Ultra-shallow 6.5" subwoofer
- Infra low-frequency down to 29 Hz
- Designed for premium installations
- Streamlined design
- Integrable in-wall and in-ceiling
- Indoor and outdoor



ELECTRO-ACOUSTICS



SB6i is an ultra-shallow subwoofer designed to extend the bandwidth of X4i and Soka in installation applications requiring concert sound and utmost discretion. SB6i features two direct-radiating 6.5" transducers mounted in a bass-reflex tuned enclosure. Its ultra-slim profile enables in-wall and in-ceiling integration, making it ideal for high-end architectural and professional sound reinforcement settings, with minimal to no visual impact.

SB6i couples with other L-Acoustics shallow enclosures to provide low-frequency content down to 29 Hz and an output of 112 dB Max SPL when decoupled from the main loudspeakers using the 60 Hz preset. In coupled configurations, SB6i can be driven by two presets, 100 Hz and 200 Hz, providing 113 dB and 117 dB of Max SPL respectively.

Like the largest concert-grade subwoofers, SB6i features L-Vents laminar vents that substantially reduce turbulence and port noise at high levels while also increasing LF efficiency.

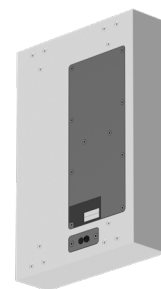
PHYSICAL

The SB6i enclosure is constructed of premium grade Baltic beech and birch plywood to ensure maximum acoustical and mechanical integrity. Its unicity resides in its ultra-slim profile and single rear technical interface housing all mounting points and speaker connections.

The extremely shallow enclosure, measuring 10 cm / 4 in deep, combined with a large set of installation-friendly accessories offers a premium solution for integration on-wall, on-ceiling and also in-wall and in-ceiling.

To perfect the integration in the decor, the RAL custom-colored program can be used on the SB6i when visible or on the dedicated flush screen when hidden behind a surface.

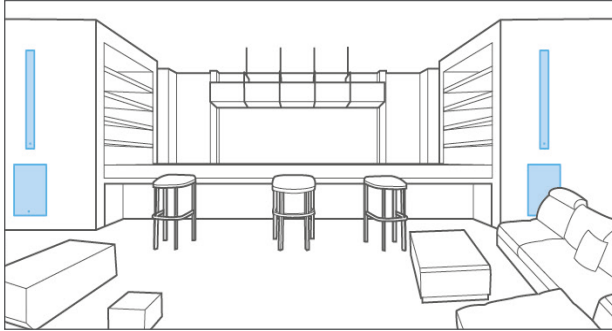
The weatherized SB6i features terminal connectors behind a connector sealing plate with gland nuts, reaching an IP55 rating, making it ideal for outdoor operation.



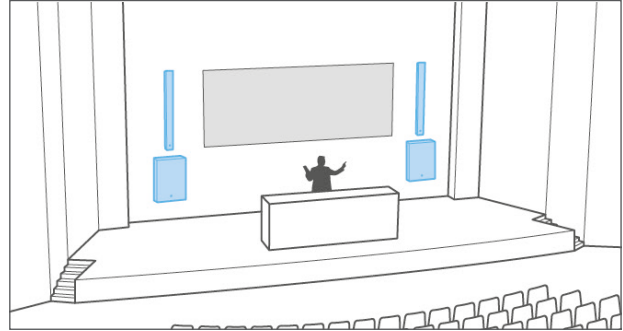
SB6i rear panel featuring all mounting points and speaker connectors

APPLICATIONS

SB6i is the ideal companion subwoofer to ultra-shallow loudspeakers providing concert-like dynamic and very low frequency extension for background music in premium commercial and leisure venues, music and films in high-end residential settings, experimental sound in museums or art galleries and much more. Its compact, slim profile will fit into any environment where a visually discreet yet high-performance system is desired.



Background music in hospitality or residential settings



Vocal and music reinforcement in corporate or educational venues

RIGGING

SB6i can be mounted on walls or ceilings using dedicated hardware with silent blocks to reduce structural noise pollution. For the highest level of discretion, SB10i can be integrated in-wall and in-ceiling, recessed behind a custom-colored front screen.

ON-WALL / ON-CEILING



SB6i-onCW
On-wall accessory with silent blocks



SB6i-onCW
On-ceiling accessory with silent blocks

IN-WALL/ IN-CEILING







SB6r Wall
In-wall SB6i with silent blocks (contains the loudspeaker, the accessories and the screen)



SB6r Ceiling & SB6r Tiles
In-ceiling SB6i with silent blocks for tiles or drywall ceilings (contains the loudspeaker, the accessories and the screen)

AMPLIFIED CONTROLLERS

LA2Xi and LA4X are the recommended amplified controllers when low quantities of SB6i will be used. For higher channel count applications, where SB6i will be used in combination with Soka or X4i, LA7.16i offers the most efficient amplification solution.

Amplified controllers	LA7.16i	LA2Xi	LA4X	LA12X
Front and back panels				
Install / Touring	Install	Install	Install / Touring	Install / Touring
In x Out	16 x 16	4 x 4 / 4 x 3 / 4 x 2 / 4 x 1	4 x 4	4 x 4
Output power (W RMS) @ 16 ohms @ 8 ohms @ 4 ohms @ 2.7 ohms	16 x 700 W 16 x 1300 W 16 x 1100 W	4 x 200 W 4 x 360 W 4 x 640 W	4 x 1000 W 4 x 1000 W	4 x 1400 W 4 x 2600 W 4 x 3300 W
Height	2U	1U	2U	2U
Weight	14.5 kg / 32 lbs	4.40 kg / 9.70 lbs	11.3 kg / 24.9 lbs	14.5 kg / 32 lbs
Drive capability				
Max. number of enclosures per channel	1	1	1	2
Max. number of enclosures per amplifier	16	4	4	8
Max SPL [[SB6_200] preset]	117 dB	117 dB	117 dB	117 dB

ASSOCIATED ENCLOSURES

Soka

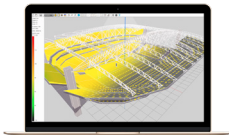


X4i



SOFTWARE

SOUNDVISION: simulation software



3D electro-acoustic & mechanical simulation software

LA Network Manager: control & monitoring software



Real-time control and monitoring up to 253 units
Multiple network topologies



SB10i



SB15m



SB18(i)

Subwoofers: a complete range for professional sound reinforcement

L-Acoustics subwoofers complement systems in applications where extended bandwidth is required.



KS21(i)



K1-SB

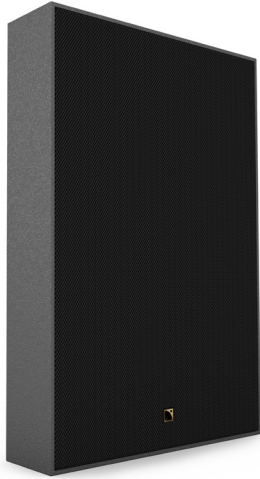


KS28

All subs incorporate high excursion drivers, ultra-low vibration walls and laminar airflow L-Vents with a flared profile, resulting in dramatic reduction of port noise, maximized dynamics, power handling and an exceptional level of performance.

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L-VENTS

Description	Ultra-shallow subwoofer: 2 x 6,5" amplified by LA7.16i / LA2Xi / LA4X / LA12X		
	Preset [SB6_60]	Preset [SB6_100]	Preset [SB6_200]
Low frequency limit (-10 dB)	29 Hz	29 Hz	32 Hz
Maximum SPL^{1,2}	112 dB	113 dB	117 dB
Nominal directivity	Standard		
Transducers	2 x 6.5" neodymium cone driver		
Acoustical load	Bass-reflex, L-Vents		
Nominal impedance	4 Ω		
Connectors	4-point terminal block with push-in connection and connector sealing plate		
Rigging and handling	8 x M6 inserts for on-wall and on-ceiling accessories and safety inWall, inCeiling, inTiles versions available		
Weight (net)	9 kg / 20 lb		
Cabinet	Premium grade Baltic beech and birch plywood		
Front	Coated steel grill Acoustically neutral 3D fabric		
Finish	Dark grey brown Pantone 426 C Pure white RAL 9010 Custom RAL code on special order		
IP	IP55		

¹ Peak level at 1 m under half space conditions using pink noise with crest factor 4 (preset specified in brackets).

² For Max SPL values using LA2Xi, refer to LA2Xi system specification sheet.

INTEGRATION



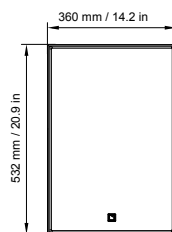
▶ SB6i on-wall / on-ceiling



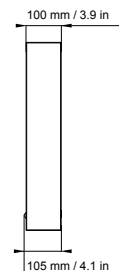
▶ SB6i in-wall / in-ceiling



DIMENSIONS



Front



Side