

PRELIMINARY

SOKA ULTRA-SHALLOW COLINEAR SOURCE



- L-Acoustics line source heritage
- Streamlined design
- Concert sound performance
- In-wall integration
- Exceptional coverage capability
- Indoor and outdoor



ELECTRO-ACOUSTICS



Soka is a colinear source system suited to medium throw applications that require discretion and elegance. Inheriting from our line source systems, Soka brings high fidelity and live concert power to high-end architectural and professional sound reinforcement settings, with minimal visual impact.

As a passive enclosure, Soka features nine 3.5" neodymium LF speakers and three 1" neodymium HF compression drivers, loaded by DOSC waveguides in a J-shaped progressive curvature. This transducer arrangement, called colinear source, produces a H/V directivity pattern of $140^\circ \times 26^\circ (+5/-21^\circ)$, optimized for ultra-wide horizontal coverage with extended throw capability and controlled vertical dispersion.

Soka can be driven using different presets to match specific acoustic needs or coupling configurations with subwoofers. A broadband preset provides extension down to 60 Hz and 124 dB of SPL. For vocal reinforcement, or when closely coupled with a subwoofer, such as SB6i or SB10i, Soka can be driven with the 100 or 200 Hz presets, offering very-high output of 130 dB or 133 dB respectively.

The unique combination of discrete form factor and performance makes Soka ideal for vocal reinforcement or surround systems when used on its own. Accompanied by a subwoofer, Soka is also an ideal main music system in museums, commercial, residential, luxury settings, hospitality spaces, and more.

PHYSICAL

The Soka enclosure is constructed of premium grade Baltic 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 of less than 10 cm / 4 in, combined with a large set of installation-friendly accessories, offers a premium solution for on-wall and in-wall integration.

To achieve the highest level of discretion and elegance the RAL custom-color program can be used with the Soka enclosure when mounted on-wall or the Soka screen when mounted in-wall, concealing the sound source into any decor.

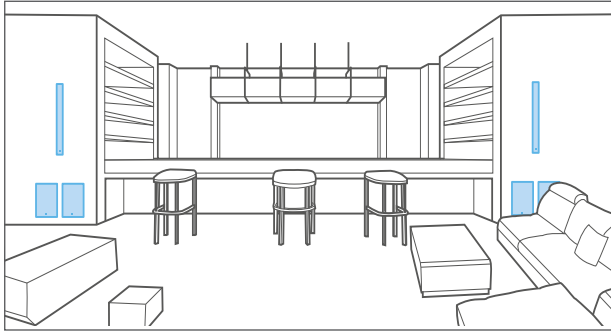
The weatherized Soka features terminal connectors behind a connector sealing plate with gland nuts, reaching an IP55 rating, making it ideal for outdoor operation.



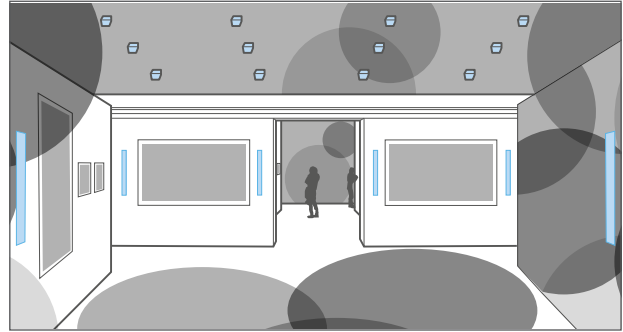
Soka rear panel featuring all mounting points and speaker connectors

APPLICATIONS

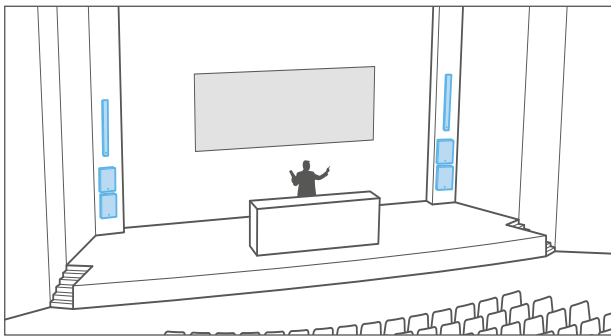
With its discreet and elegant form factor and concert-like performance, Soka is particularly suited as a main system for vocal and music reinforcement in architectural settings, corporate spaces, churches, museums, or artistic performances. The razor-sharp vertical coverage prevents undesired room excitation for the highest intelligibility. Its ultra wide horizontal directivity and throw capacity of up to 35m, makes Soka the perfect surround companion for LISA immersive deployments.



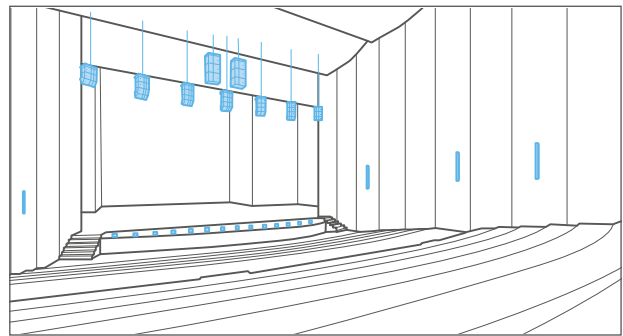
Background music in premium lounge bar



Experimental sound in performance art galleries



Vocal system in educational venues



Surround system in an LISA immersive setup

RIGGING

Soka can be mounted on walls with silent blocks to prevent unwanted structural vibration and noise transmission. Specific accessories allow for flexible Pan and Tilt orientation. For the highest level of discretion, Soka can be mounted in-wall, recessed behind a custom-colored front screen.

ON-WALL



Soka-onCW
On-wall accessory
with silent blocks

PAN / TILT
Pan & Tilt
accessories





IN-WALL



Soka inWall
In-wall Soka with
silent blocks (contains the
loudspeaker, the accessories
and the screen)

AMPLIFIED CONTROLLERS

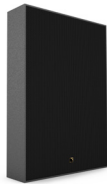
LA2Xi and LA4X are the recommended amplified controllers with one or two Soka per output channel, respectively. For multi-channel configurations, LA7.16i offers the most efficient amplification solution.

| Amplified controllers | LA7.16i | LA2Xi | LA4X | LA12X |
|---|---|---|--|---|
| Front and back panels |  |  |  |  |
| Install / Touring | Install | Install | Install / Touring | Install / Touring |
| Inputs x Outputs | 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 / 38.6 lbs | 4.40 kg / 9.70 lbs | 11.3 kg / 24.9 lbs | 14.5 kg / 32 lbs |
| Drive Capacity | | | | |
| Max. number of enclosures per channel | 1 | 1 | 2 | 3 |
| Max. number of enclosures per amplifier | 16 | 4 | 8 | 12 |
| Max SPL ([Soka] preset) | 130 dB | 127 dB | 130 dB | 130 dB |

SUBWOOFER

SB6i: ultra-shallow subwoofer (2 x 6.5")

SB6i + Soka: 32 Hz – 20 kHz
Ratio of 2 SB6i to 1 Soka



SB10i: ultra-compact subwoofer (1 x 10")

SB10i + Soka: 29 Hz – 20 kHz
Ratio of 1 SB10i to 1 Soka



SOFTWARE

SOUNDVISION: simulation software

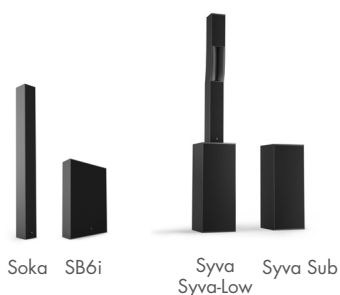


3D electro-acoustic & mechanical simulation software

LA Network Manager: control & monitoring software



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



S series: Elegance and performance for premium installations

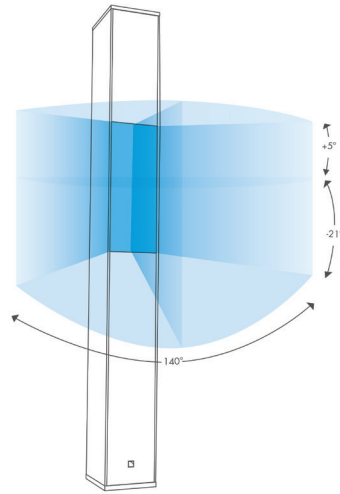
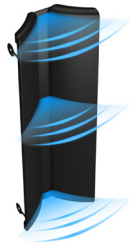
The S Series is comprised of two full range enclosures, with distinct formats, bandwidth and SPL, adapted to premium fixed installations. Accompanied by suitable subwoofers, the S Series blends concert sound performance with artistic elegance, whether floor standing, mounted on walls or other construction structures, or integrated into walls.

The S Series uses colinear source technology which combines the benefits of line source technology, with its coverage, output and coherence and the simplicity of point source, in an elegant form factor.

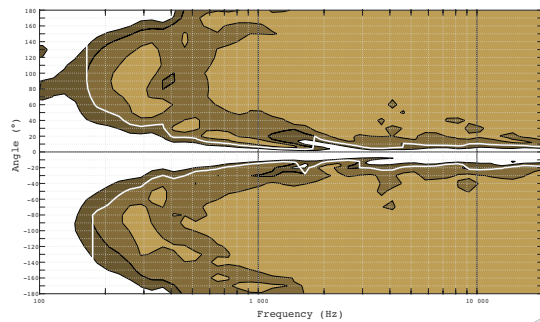
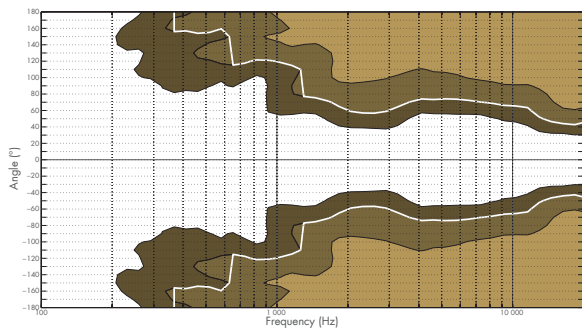
COVERAGE

About L-Acoustics L-Fins

Introduced in 2008 with the K1 system, the L-Fins waveguide marked the transition from the "V" transducer layout of legacy V-DOSC and dV-DOSC systems to the "K" transducer layout. L-Fins significantly improve the precision and smoothness of the directivity pattern in the horizontal plane resulting in a much more stable response across the coverage area.



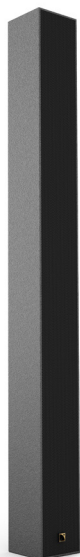
BEAMWIDTH



► Dispersion angle diagram of Soka in the horizontal plane (left) and vertical plane (right) using lines of equal sound pressure at -3 dB, -6 dB, -12 dB.

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SOKA ULTRA-SHALLOW COLINEAR SOURCE



Soka is an ultra-shallow colinear source designed for premium installations that require discretion and elegance. As part of the S Series, Soka inherits line source technology that provides high fidelity and live concert power to high-end architectural and professional sound reinforcement settings. And with minimal to no visual impact, it can benefit many integration applications, such as luxury commercial and hospitality spaces, lounge bars, museums, lecture halls, churches, and concert halls.

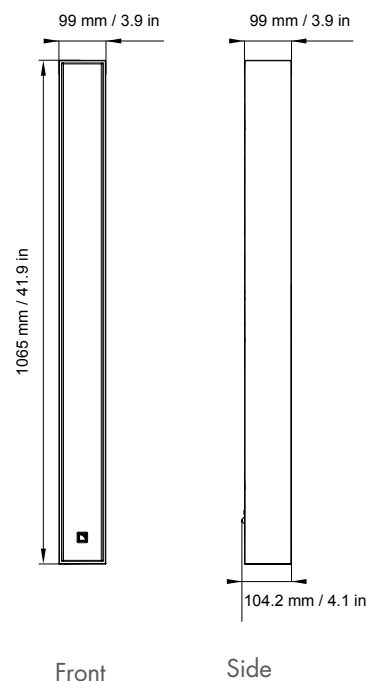
Offering up to 133 dB, Soka can produce very high output for its size, or a broad bandwidth, down to 60 Hz, depending on the preset used. It features an outstanding horizontal coverage of 140° and a highly controlled vertical directivity of 26°, making it a perfect main system in reverberant spaces or an ideal surround companion.

The ultra-shallow and slender design of Soka enables integration on-wall and in-wall. The weatherized enclosure can be color-matched to the decor, ideal for any indoor or outdoor installations.



SPECIFICATIONS

| | | | | |
|------------------------------------|--|---|-----------------|-----------------|
| Description | Passive 2-way colinear enclosure amplified by LA7.16i / LA2Xi / LA4X / LA12X | | | |
| | Preset | [Soka_60] | [Soka] | [Soka_200] |
| Usable bandwidth (-10 dB) | | 60 Hz - 20 kHz | 100 Hz - 20 kHz | 200 Hz - 20 kHz |
| Maximum SPL^{1,2} | | 124 dB | 130 dB | 133 dB |
| Nominal directivity (-6 dB) | | Vertical : +5/-21° Horizontal: 140° | | |
| Transducers | | LF: 9 x 3.5" neodymium cone drivers HF: 3 x 1" neodymium compression driver | | |
| Acoustical load | | LF: closed enclosure HF: DOSC waveguide, L-Fins | | |
| Nominal impedance | | 8 Ω | | |
| Connectors | | 4-point terminal block with push-in connection and connector sealing plate | | |
| Rigging and handling | | 6 x M6 inserts for on-wall and in-wall accessories inWall version available | | |
| Weight (net) | | 9.4 kg / 20.3 lbs | | |
| Cabinet | | Premium grade beech and birch plywood | | |
| Front | | Coated steel grill Acoustically neutral 3D fabric | | |
| Finish | | Dark grey brown Pantone 426C Pure white RAL 9010 Custom RAL code on special order | | |
| IP | | IP55 | | |

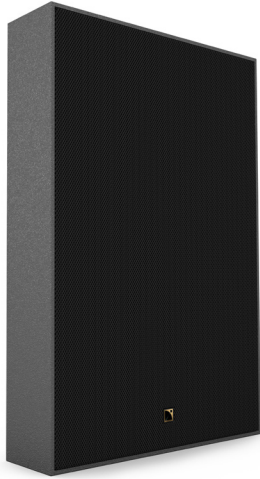


¹ - Peak level at 1 m under free field conditions using pink noise with crest factor 4 (preset specified in brackets).

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

PRELIMINARY

SB6i ULTRA-SHALLOW SUBWOOFER



L-VENTS

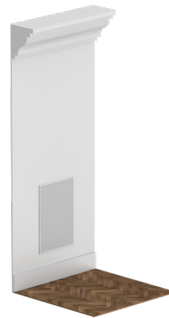
| | | | |
|-------------------------------------|--|------------------|------------------|
| Description | Ultra-shallow subwoofer: 2 x 6,5" amplified by LA7.16i / LA2Xi / LA4X / LA12X | | |
| | Preset [SB6_60] | Preset [SB6_100] | Preset [SB6_200] |
| Low frequency limit (-10 dB) | 29 Hz | 29 Hz | 32 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 external rigging kits and safety | | |
| 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



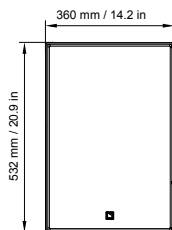
▶ SB6i on-wall / on-ceiling



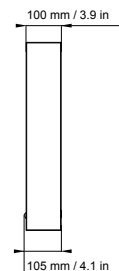
▶ SB6i in-wall / in-ceiling



DIMENSIONS



Front



Side