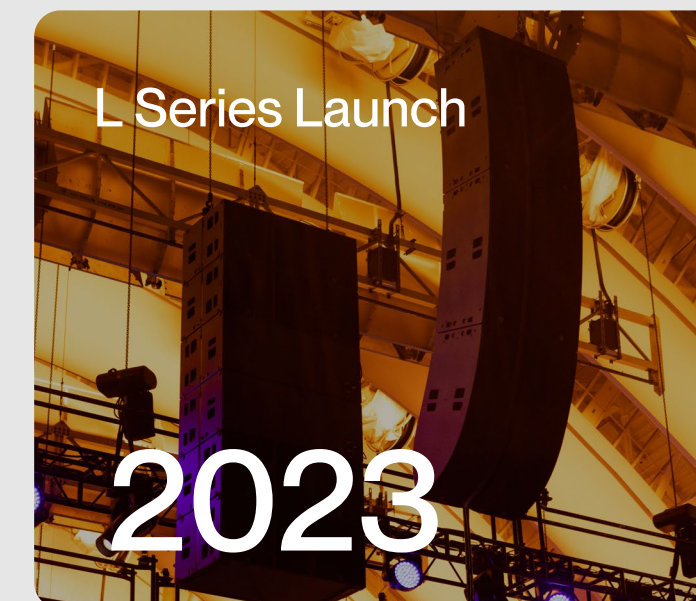
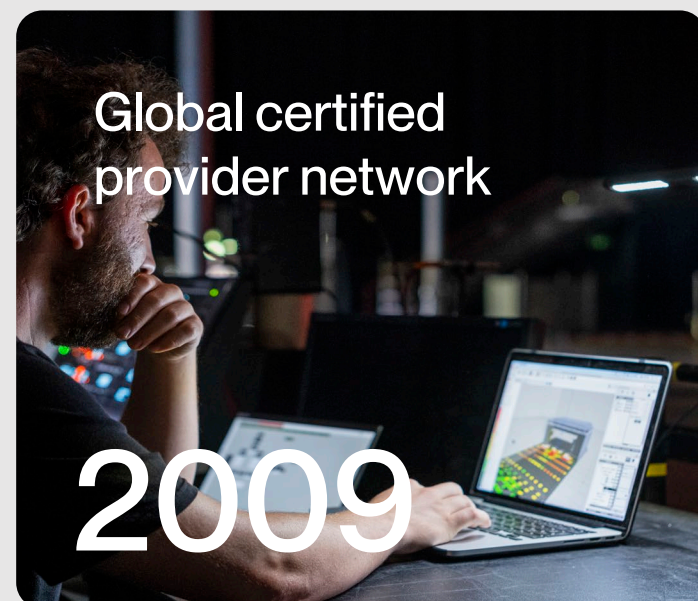
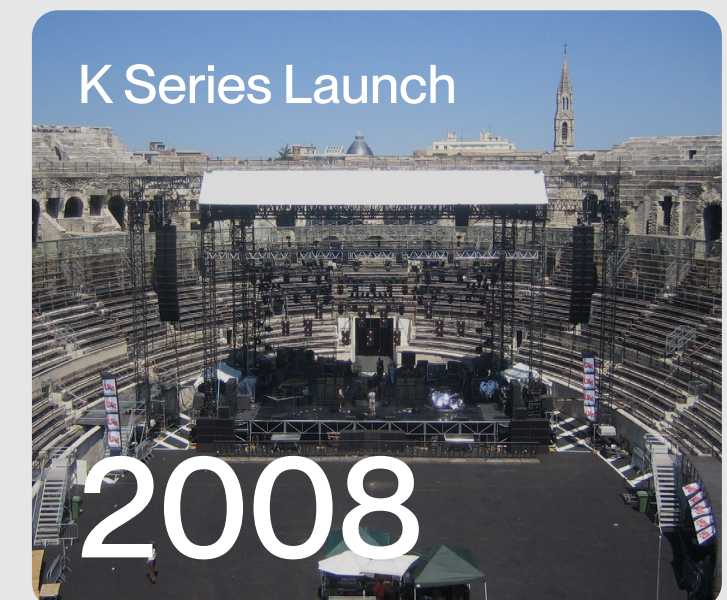


 **LACOUSTICS**

# Workplace and Learning Environments

Concept Design Guide





Since 1984, L-Acoustics teams have reinvented the beauty of sound through innovation and emotion. Our ethos is built on the principles of innovation and performance, taking a people-first approach to our operations, remaining environmentally conscious, and educating and elevating our teams and other audio industry professionals — all while supporting our passion for enhancing the arts and technologies. [Read more about our story here.](#)





## Our Locations

Over eighty countries around the world carry the L-Acoustics brand with more than seven hundred industry-leading Certified Providers in our network.

[To find a Certified Partner, use our Provider Locator here.](#)







## Spotlight: L-Acoustics APAC HQ, Singapore

Opened in November 2025, the new APAC headquarters features several L-Acoustics-equipped conference rooms and open collaboration spaces, as well as the L-Acoustics Creative Studio, a state-of-the-art 47-square-meter immersive audio studio equipped with 23 L-Acoustics speakers arranged in a three-dimensional configuration. The facility's proximity to Singapore's Changi Airport facilitates client visits and project collaboration, while its connection to the company's regional warehouse ensures efficient service delivery.







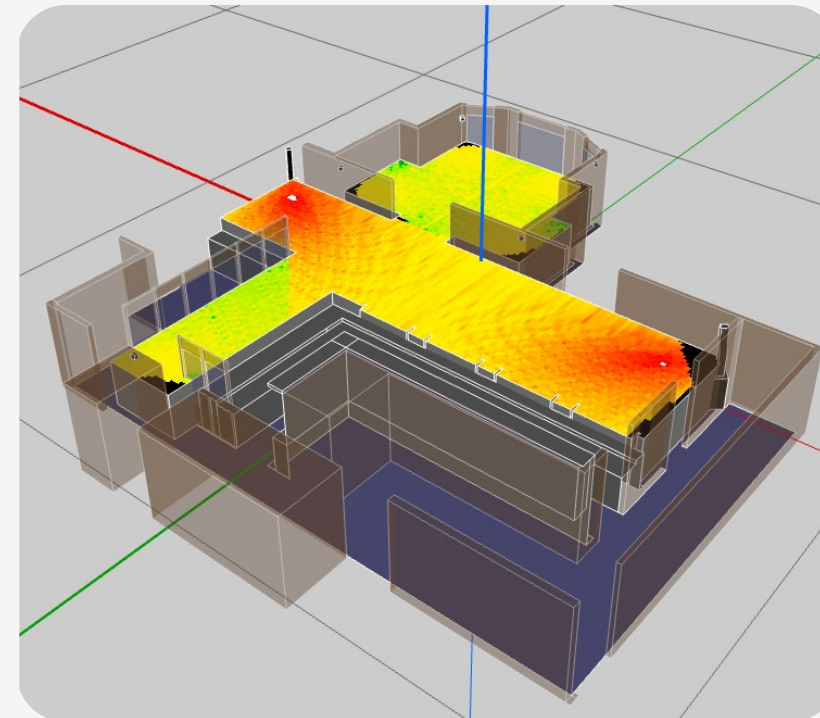
# Features & Benefits

## Style & Substance

- Best-in-class audio performance
- Uncompromising quality
- Compact form factors, custom finishes

## Design & Create

- Fully-detailed 3D designs
- Visual performance and coverage information
- Remove guesswork, increase confidence

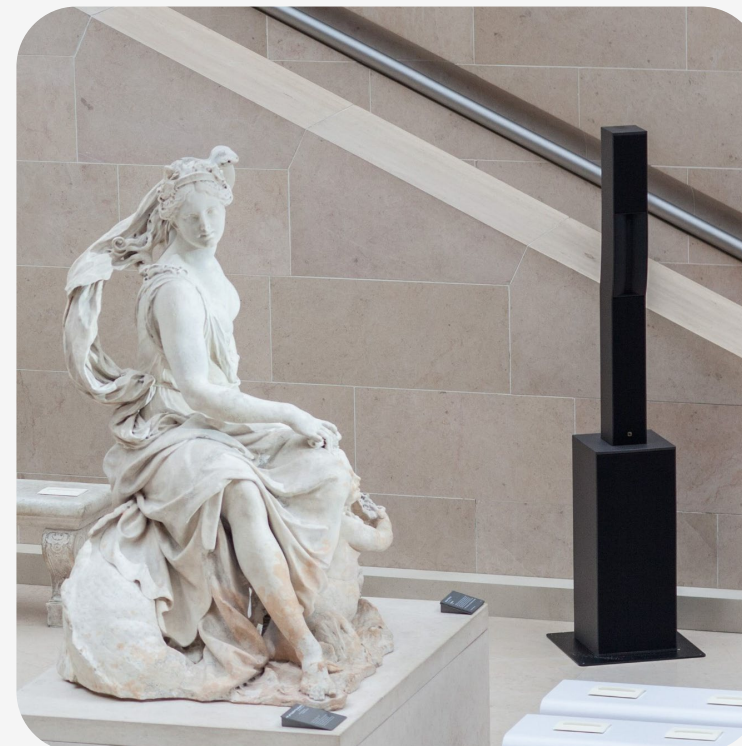


[Soundvision](#)  
[Soundvision Connect](#)

## Configure & Integrate

- Real-time monitoring and control
- Interoperability, redundancy
- Industry-leading reliability

[LA Network Manager](#)  
[Q-SYS & AES67 Setup Guide](#)







# Testimonials

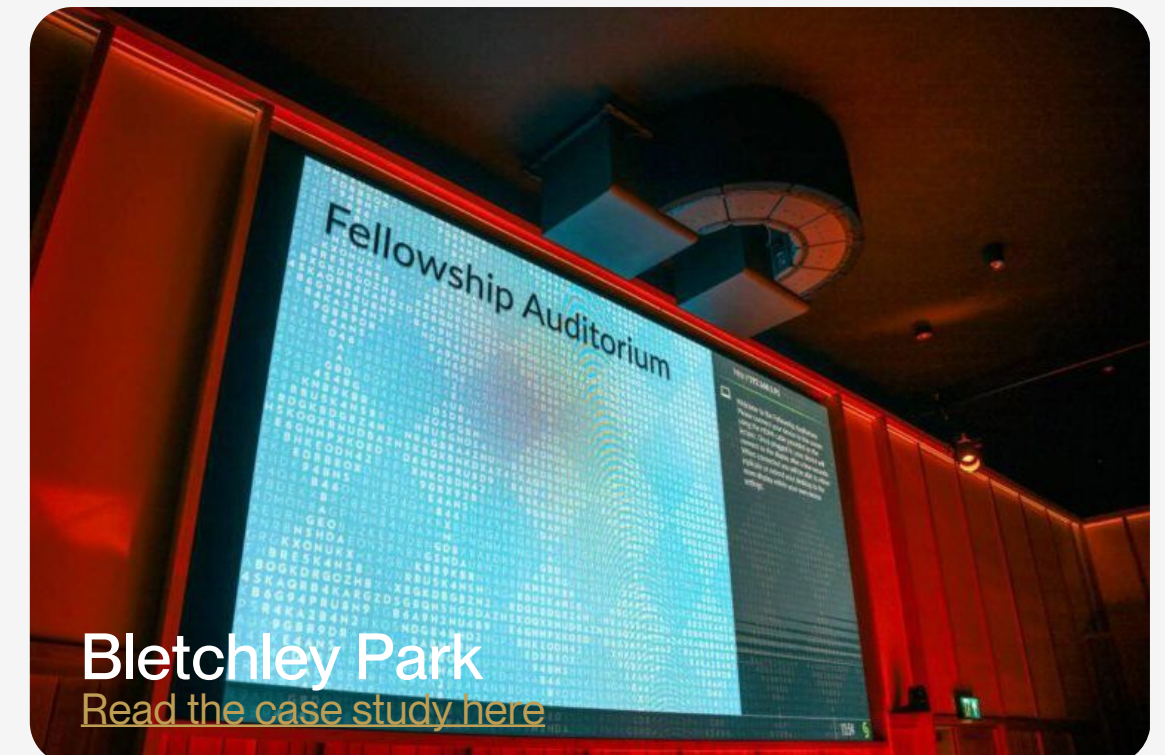
“

“Having reliable infrastructure and the highest quality audio experience is critical for [Dude Perfect’s] team and their business operations...and we’ve heard many comments on how amazing it sounds... There is literally nothing else like this space in the world, and it really has the perfect sound to match...”

Eric Schell, Founder, Clear ProAV, on Dude Perfect’s US Headquarters.

[Read the case study here](#)

[Read all L-Acoustics Stories here](#)





# Concept Design Guide





# Applications

L-Acoustics' professional sound systems are the perfect complement to any workplace or learning AV environment, enhancing engagement and attention for applications including:

Videoconferencing & Communications

Customer Experience & Showcase

Internal Presentation & Broadcasting

Corporate Events

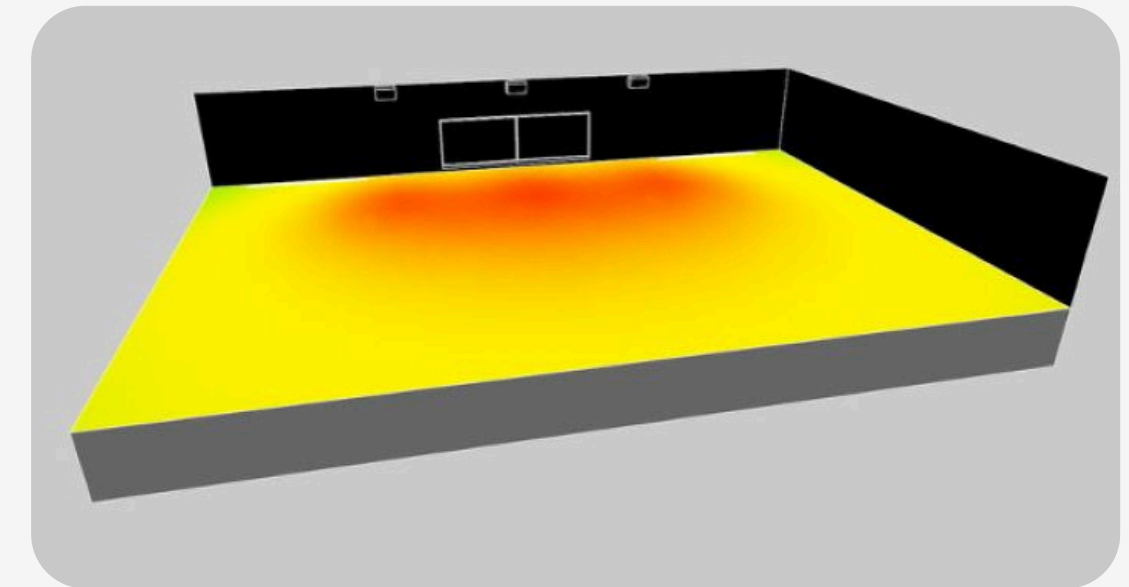
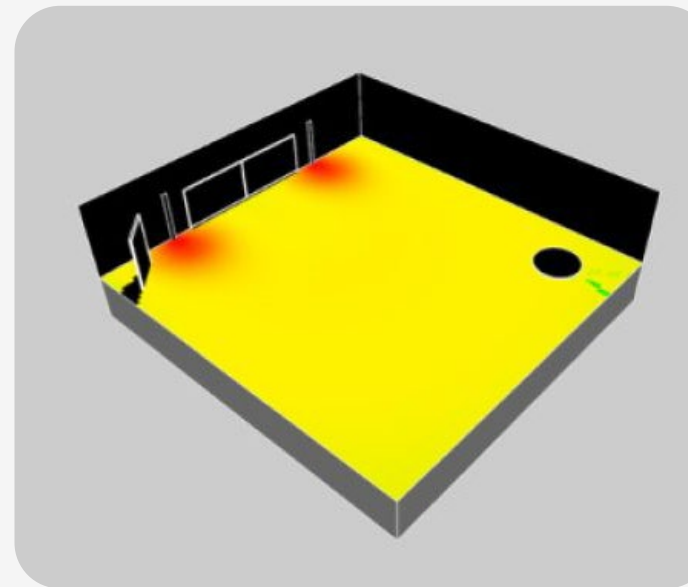
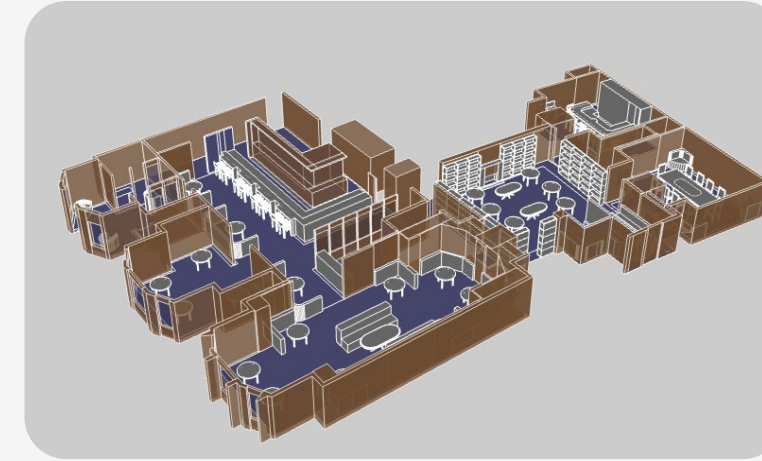
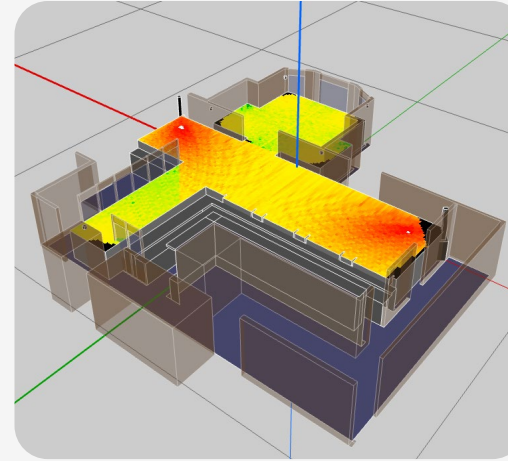
[Read more about Fixed Installation Applications here](#)







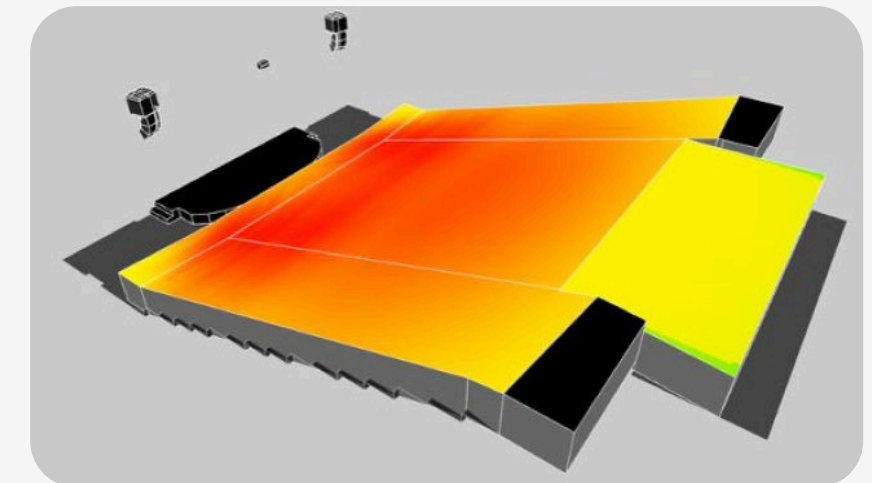
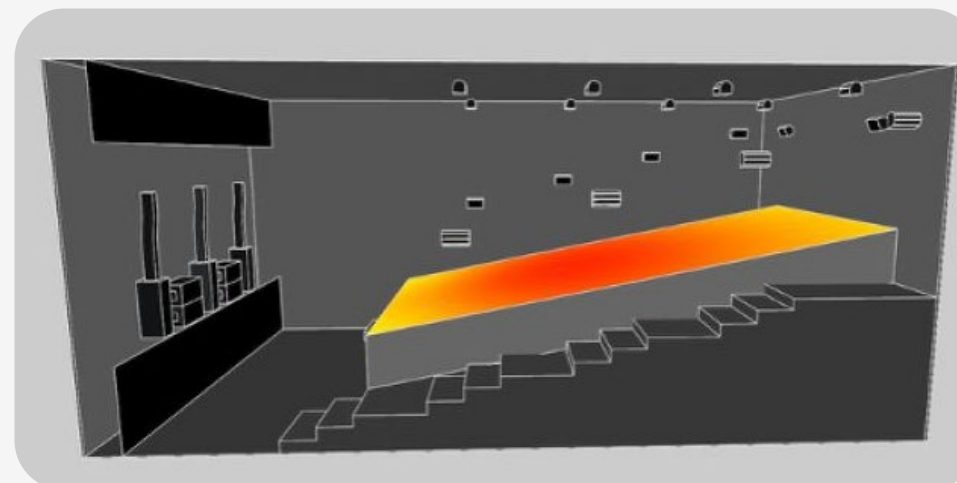
## Room Design Concepts



Each system in this guide has been meticulously built and designed in Soundvision by L-Acoustics engineers for perfect performance. Soundvision reduces guesswork and increases confidence with precise, accurate predictions, scalable from single rooms to the largest stadiums and festivals.

[Please contact us for access to specific Soundvision design files.](#)

[Download Soundvision here.](#)







# Concept Spaces

Room Type	Capacity	Area (sqft) [sqm]	W x L (ft) [m]	Applications
Small Meeting Room	8	255 [23]	15 × 17 [4.6 × 5]	Conferencing, BYOD
Medium Meeting Room	14	552 [49]	23 × 24 [7 × 7]	Conferencing, U-Shape
Large Meeting Room	18	510 [45]	17 × 30 [5 × 9]	Conferencing, Presentation
Executive Briefing Space	22	925 [82.5]	37 × 25 [11 × 7.5]	Conferencing, Presentation
Media Room	25	925 [82.5]	25 × 37 [7.5 × 11]	Presentation, Media
Multi-purpose Space, Atrium	250	13,500 [1,250]	165 × 82 [50 × 25]	Presentation, Performance
Small Auditorium, Tiered Seating	200	3,380 [320]	52 × 65 [16 × 20]	Presentation, Performance
Events Space	200	2,025 [196]	45 × 45 [14 × 14]	Presentation, Immersion
Experience Center	100	2,475 [229.5]	45 × 55 [13.5 × 17]	Presentation, Immersion

Metric conversions have been approximated and rounded for ease of reference





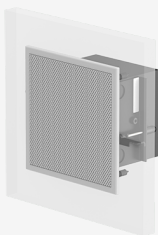
# Small Meeting Room

In-wall and recessed variants of the X-Series and Subwoofer ranges bring a sleek, flush-mount aesthetic to meeting and teaching spaces without compromising sound quality, with fittings and mounting accessories included.

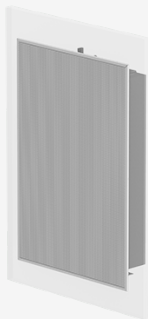
## Room Information

Capacity	8
Area (sqft), Dimensions (ft) ( <i>sqm/m</i> )	255 – 15 x 17 ( <i>23 – 4.6 x 5</i> )
Applications	Conferencing, BYOD

## Key Products Used



X4r  
Compact in-wall loudspeaker



SB6r  
Ultra-shallow subwoofer, dual 6.5"







# Medium Meeting Room

Soka – available as in-wall or surface-mount variants – is perfect for audio output on either side of a display, with ample throw, headroom, and dispersion to ensure everyone hears clearly across all source material.

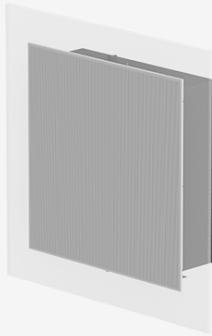
## Room Information

Capacity	14
Area (sqft), Dimensions (ft) ( <i>sqm/m</i> )	552 – 23x24 ( <i>49 – 7 x 7</i> )
Applications	Conferencing, U-Shape

## Key Products Used



Soka In-wall  
2-way passive, 3.5”



SB10r  
Ultra-compact subwoofer, 10”







# Large Meeting Room

X6i provides superb L/R audio, while X4r in-ceiling provides audio coverage the length of the room, with suitable mounting options and accessories for surface mounting, flush-mounting into hard ceilings, pendant mounting, and more.

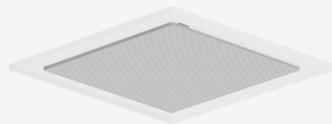
## Room Information

Capacity	18
Area (sqft), Dimensions (ft) ( <i>sqm/m</i> )	510 – 17x30 ( <i>45 – 5 x 9</i> )
Applications	Conferencing, Presentation

## Key Products Used



X6i  
2-way passive, 6.5”



X4r In-Tile  
2-way passive, 4”



SB6r In-Tile  
Ultra-shallow subwoofer, dual 6.5”







# Executive Briefing Space

Users of high-impact spaces such as briefing rooms, control centers, and welcome suites – whether customer-facing or internal – benefit from high-quality audio for communications and presentations with X6i.

## Room Information

Capacity	22
Area (sqft), Dimensions (ft) ( <i>sqm/m</i> )	925 – 37x25 ( <i>82.5 – 11 x 7.5</i> )
Applications	Conferencing, Presentation

## Key Products Used



X6i  
2-way passive, 6.5”







# Media Room

Whether for critical teamwork and media review or social entertainment, this setup is ideal for experiencing best-in-class audio in stereo and spatial formats. Here, Syva is installed behind an acoustically transparent projection screen.

## Room Information

Capacity	25
Area (sqft), Dimensions (ft) ( <i>sqm/m</i> )	925 – 37x25 ( <i>82.5 – 7.5 x 11</i> )
Applications	Presentation, Media

## Key Products Used



Syva  
2-way passive, 5”



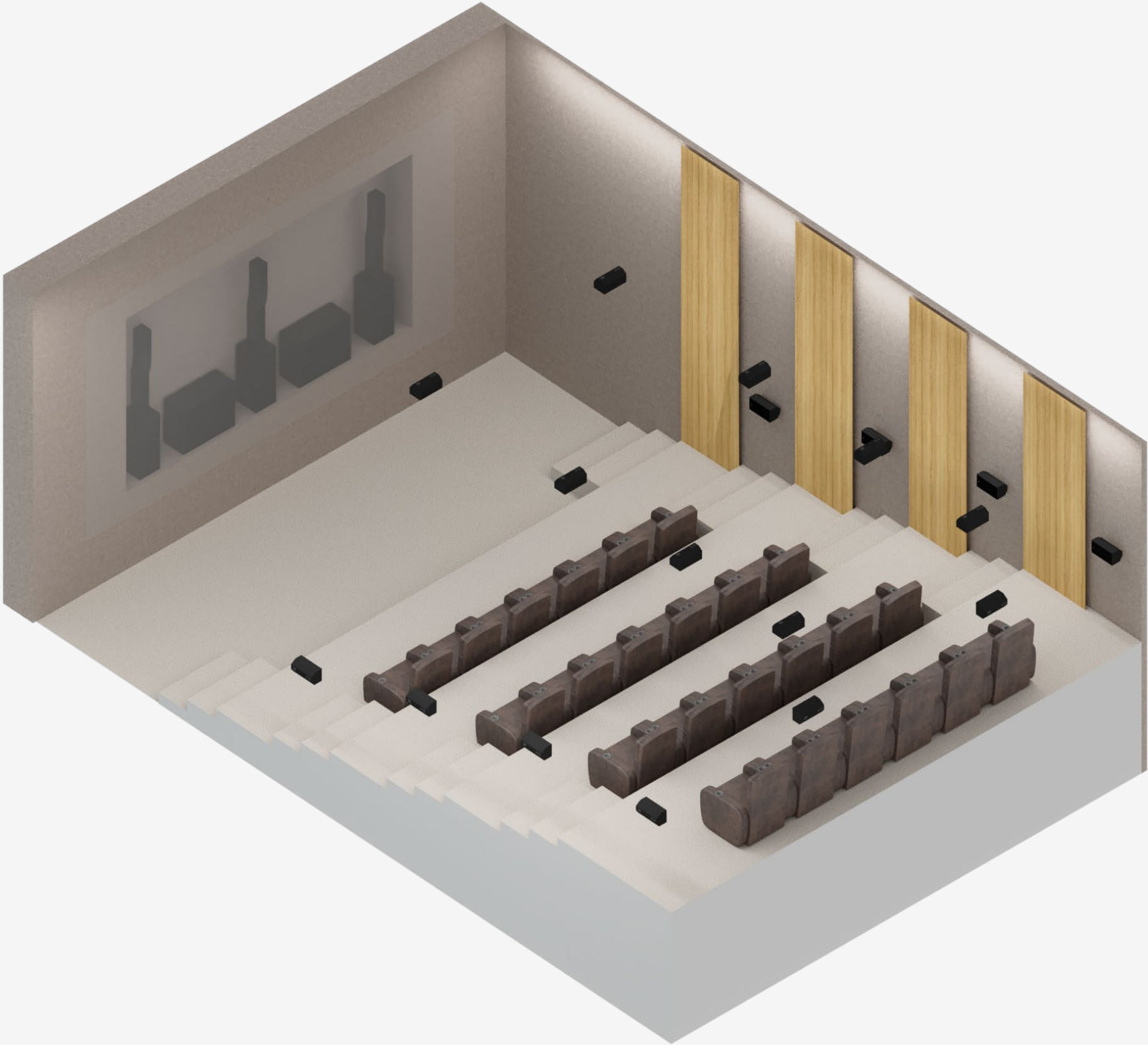
Syva Low  
Bass reflex, dual 12”



Syva Sub  
Bass reflex, 12”



X6i  
2-way passive, 6.5”







# Multi-Purpose Space, Atrium

Combining X Series and Syva systems in larger open spaces is perfect for applications such as town hall presentations, customer showcases, and social and entertainment events.

## Room Information

Capacity	250
Area (sqft), Dimensions (ft) ( <i>sqm/m</i> )	13500 – 165x82 ( <i>1250 – 50 x 25</i> )
Applications	Presentation, Performance

## Key Products Used



Syva  
2-way passive, 5”



Syva Low  
Bass reflex, dual 12”



SB10i  
Ultra-compact sub, 10”



X6i  
2-way passive, 6.5”







# Small Auditorium, Tiered Seating

A Series is popular for auditorium use owing to its ability to scale from a single cabinet system to larger array systems combined with subs for unmatched throw, coverage, and performance.

## Room Information

Capacity	200
Area (sqft), Dimensions (ft) ( <i>sqm/m</i> )	3380 – 52x65 ( <i>320 - 16 x 20</i> )
Applications	Presentation, Performance

## Key Products Used



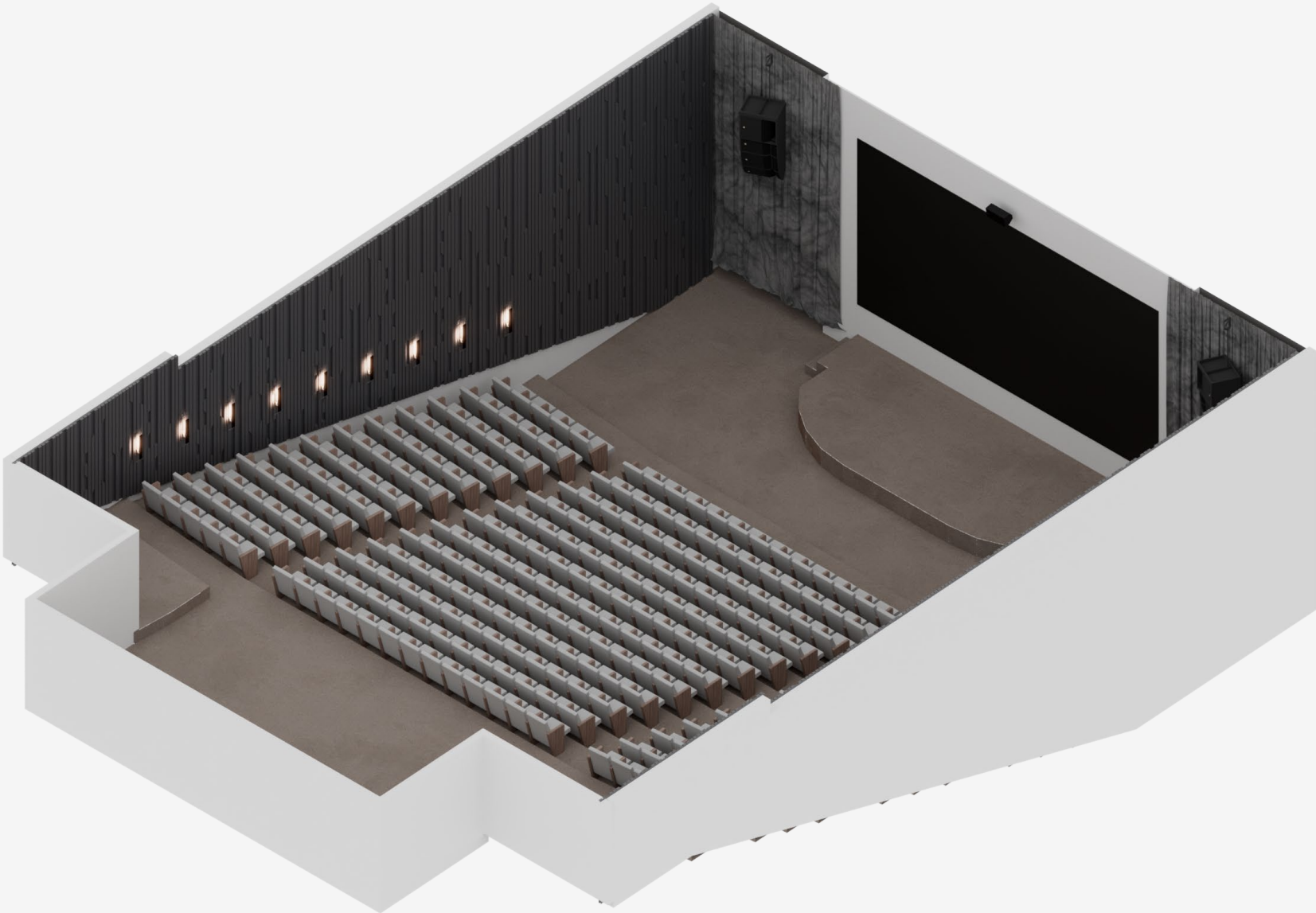
A10i  
2-way passive, 10”



KS21  
High power subwoofer, 21”



X8i  
2-way passive, 8”







# Events Space

L-ISA brings your largest and most valuable spaces to life, ensuring the highest degree of flexibility, scalability, and, ultimately, creativity for anyone using the space across a wide range of configurations for all types of content.

## Room Information

Capacity	200
Area (sqft), Dimensions (ft) ( <i>sqm/m</i> )	2025 – 45 x 45 ( <i>196 – 14 x 14</i> )
Applications	Presentation, Immersion

## Key Products Used



Soka  
2-way passive, 3.5"



SB6i  
Ultra-shallow  
subwoofer, dual 6.5"



X4i  
2-way passive, 4"



L-ISA Processor II  
Multichannel  
audio processor







# Experience Center

L-ISA’s immersive audio platform is the ideal tool for creating experiences for customers and visitors, whether in a dedicated space, building lobby, or even a walkthrough or corridor of any shape, size, or style.

## Room Information

Capacity	100
Area (sqft), Dimensions (ft) ( <i>sqm/m</i> )	2475 – 45 x 55 ( <i>229.5 – 13.5 x 17</i> )
Applications	Presentation, Immersion

## Key Products Used



Soka In-wall  
2-way passive,  
3.5”



SB10r  
Ultra-compact  
subwoofer, 10”



X6i  
2-way passive, 6.5”



X4r In-Tile  
2-way passive, 4”



L-ISA Processor II  
Multichannel  
audio processor







# Loudspeakers

For more information on our complete product range, [please visit www.l-acoustics.com](http://www.l-acoustics.com) or click any of the photos below to go to the relevant product page.

(Images not to scale)

**Point Source** Short Throw – up to 15m/ 45ft  
**X Series**



**Constant Curvature Line Source** Medium Throw – up to 35m/ 115ft  
**A Series**



**Colinear Source** Medium Throw – up to 35m/ 115ft  
**S Series**







# Loudspeakers

For more information on our complete product range, [please visit www.l-acoustics.com](http://www.l-acoustics.com) or click any of the photos below to go to the relevant product page.

(Images not to scale)

**Variable Curvature Line Source**  
**K Series**

Long Throw – 35m/ 115ft and over



**Omni / Cardioid Subwoofer**  
**Subs**

Omni/Cardioid



**Progressive Ultra-Dense Line Source (PULS)**  
**L Series**

Long Throw – 35m/ 115ft and over



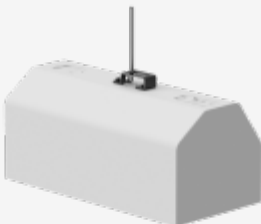


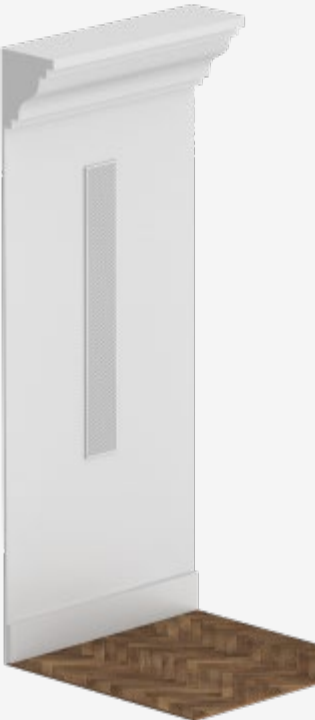


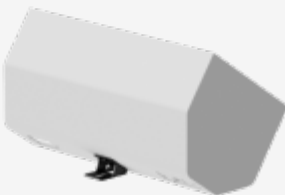












# Installation & Mounting

The comprehensive range of accessories supports installation options, including surface mounts, pole mounts, stacking, and recessing in-wall or in-ceiling (with specific variants). All accessories are precision-engineered and rigorously tested to ensure uncompromising safety and reliability, supporting flexible deployment while maintaining exacting standards in quality, durability, and performance.

On-Wall	On-Ceiling/ On-Wall	Misc.	X4i – For flown/ pole mounted/ stacked configurations	X4r	Soka In-wall
 <p>On-wall mounting with silent blocks</p>	 <p>On-ceiling horizontal</p>	 <p>Ceiling pendant</p>	 <p>XU4i Bracket for surface mount</p>		
 <p>Wall-mounting without silent blocks</p>	 <p>On-ceiling vertical with tilt</p>	 <p>Ground mounting</p>	 <p>X-U4i Bracket for pole-mount</p>		
 <p>Wall-mounting with tilt</p>	 <p>On-wall mounting horizontal with Pan</p>	 <p>Pole mounting + speakON adapter</p>	 <p>X-B4i Bracket for stacking</p>		





# RAL Color Specifications

Dark Grey-Brown or White as standard.

Custom colors from RAL CLASSIC 213 (surcharge and additional setup time apply).

Accessories are available in the same color finishes and for special orders.

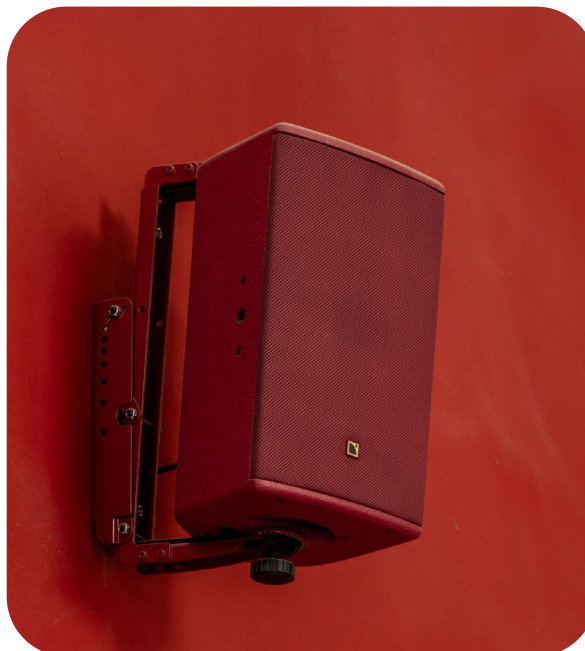
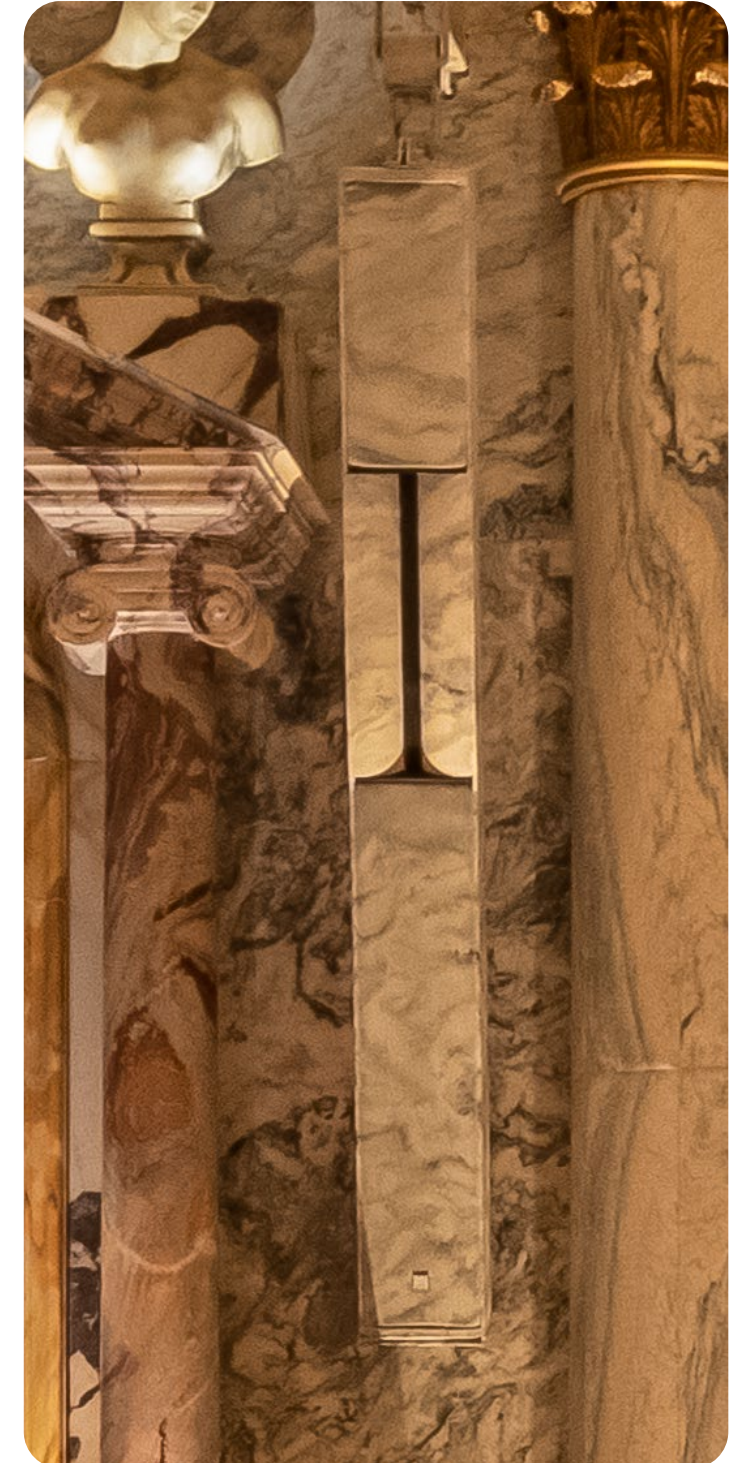
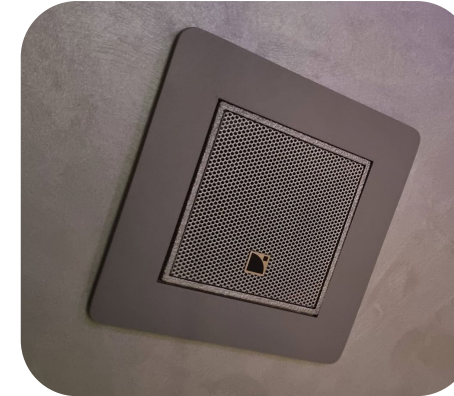
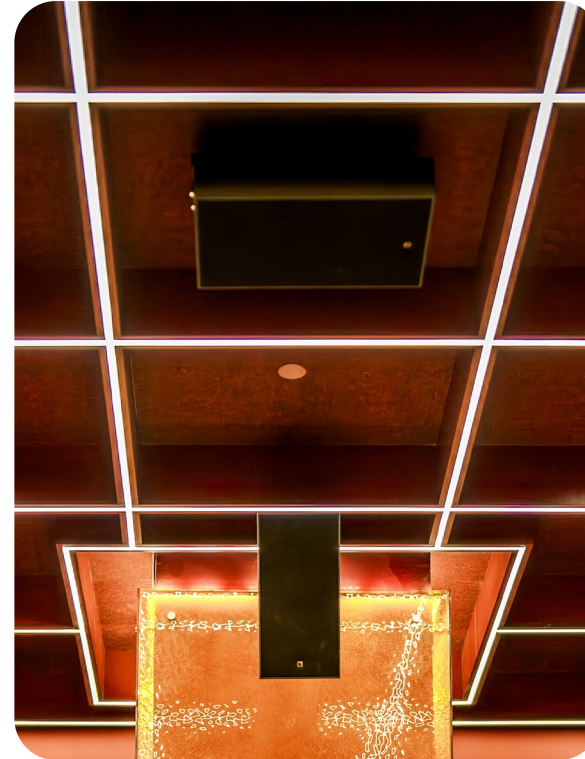
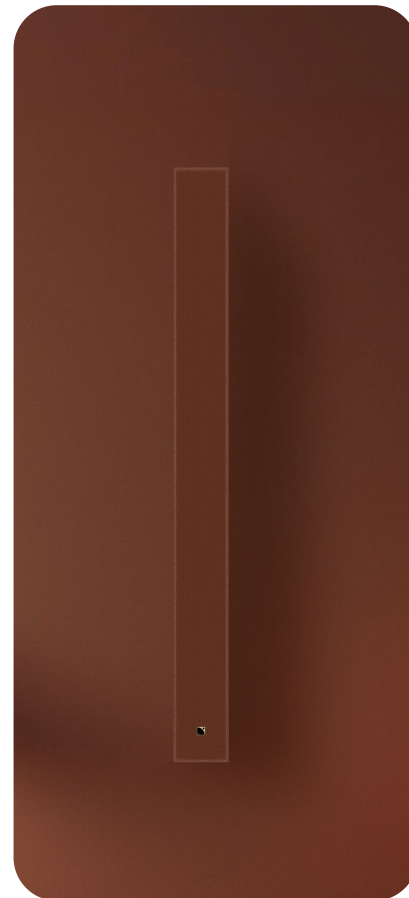
Further information on RAL color specifications:

[RAL Colors Product Overview \(external link\)](#)

Full details on customization and the ordering process:

[White & RAL Programs Feature Overview](#)

Custom architectural finishes are available through third-party providers.







# Electronics

Power, precision, and control are delivered through amplified controllers, processors, and networking tools. Software packages streamline workflow for L-Acoustics systems, providing system designers, installers, and programmers a straightforward path to bringing the best-sounding installations and events to life.

[See full product range here.](#)

[See here for Installation Tools, including power consumption, thermal dissipation, and cable length calculator.](#)

## Amplified Controllers



LA1.16i



LA2Xi



LA4X



LA12X



LA7.16i

## Processors



P1



L-ISA Processor II

## Converters



LC16D

## Networking



LS10



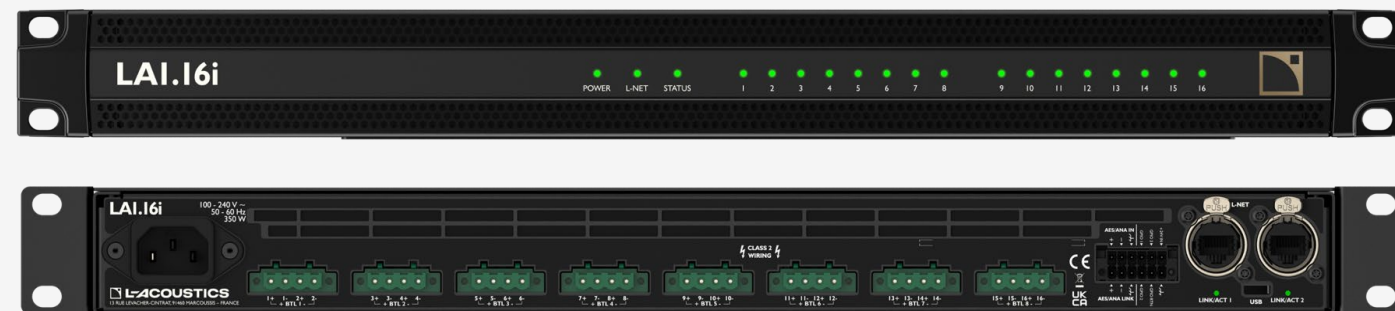


## Spotlight: LA1.16i

With the L-Acoustics Full System Approach of flexible and scalable design tools and electronics, it's easy to design, integrate, manage, and monitor multiple rooms, spaces, floors, and buildings together.

Building on the revolutionary approach introduced with the [LA7.16i](#), the ultra-compact [LA1.16i, a 16-channel, 1RU amplifier](#) (pictured below), delivers unmatched channel density in a space-saving 1U format, making L-Acoustics sound accessible for a wider range of venues and applications.

Its high channel count enables the deployment of large quantities of speakers – for example, up to 48 X4i compact enclosures.



Like its predecessor, the LA1.16i incorporates L-SMART, L-Acoustics' patented power management technology that intelligently matches real-time power delivery to the needs of the system.







# L-ISA Immersive Sound Art





# L-ISA | L-Acoustics Immersive Sound Art

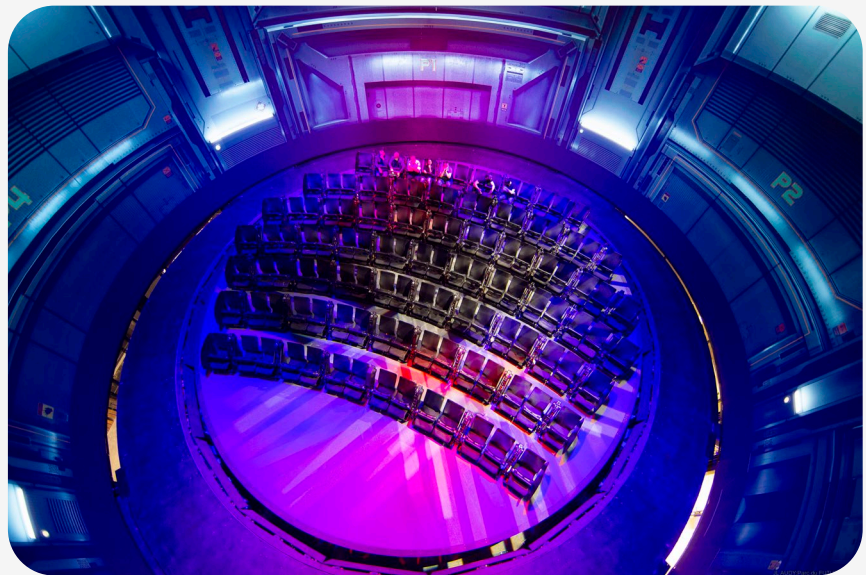
Launched in 2016, this revolutionary spatial audio platform delivers several key tangible benefits to users:

- Enhances clarity
- Naturalizes spatialization
- Deepens the nuance of source separation
- Offers unlimited immersive creativity

Highly adaptable, L-ISA works with all L-Acoustics loudspeakers and electronics. For a Hyperreal environment, at least five loudspeaker positions are required across the frontal area. Intuitive software design and control platforms, such as L-ISA Studio and L-ISA Controller, make it easy for both creative and technical specialists to develop, update, refresh, and deploy immersive and spatial content using object-based mixing.

L-ISA transforms audio installations and live events, making it perfect for:

- Corporate Lobbies
- Experience Centers
- Multi-Purpose Spaces and Auditoriums
- Corporate Events, Showcases, and Launches







## L-ISA Solutions



Transform your environment with L-ISA solutions designed for every immersive and spatial audio application.

Click through images to reach our **Solutions** page or [read more about L-ISA Solutions here](#).





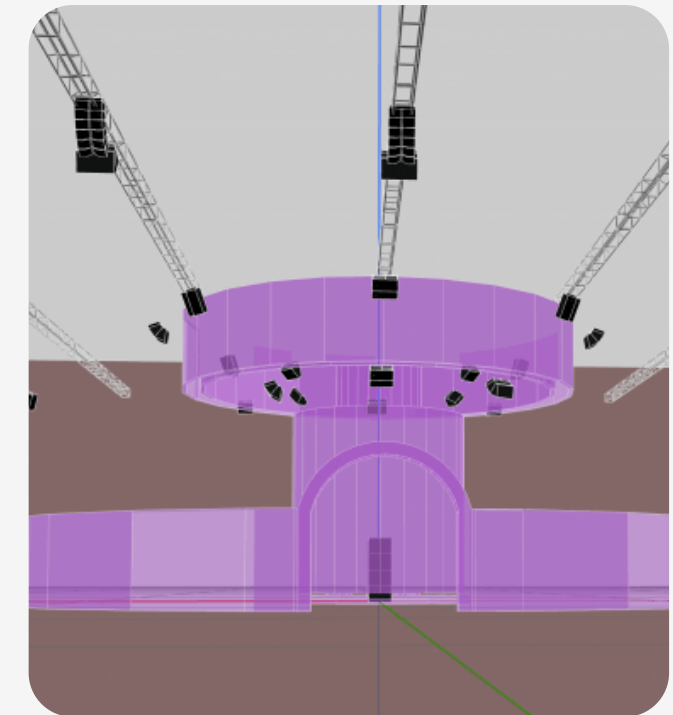
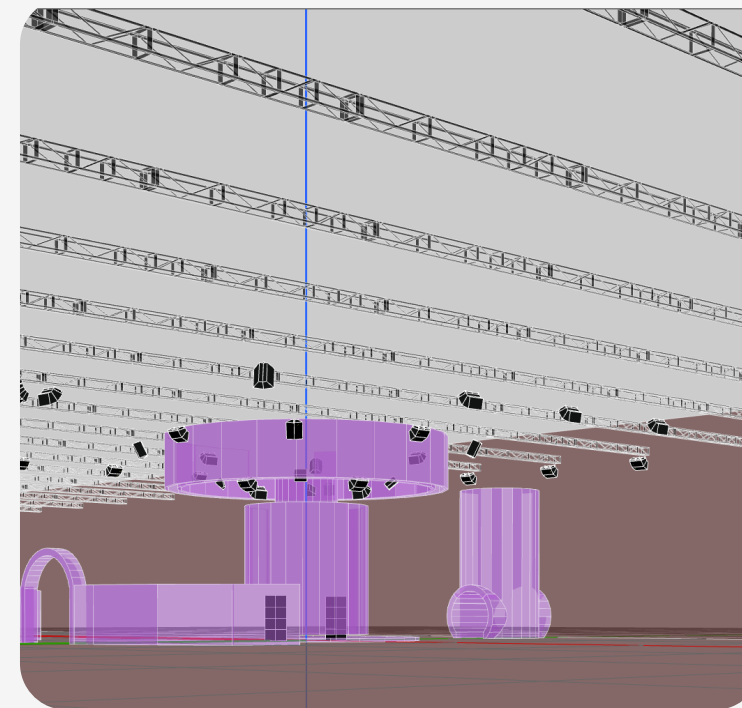


## Testimonials

“

In previous designs, the sound doesn't move. Now, with [L-ISA], we can custom-tailor our sounds to follow those graphics, and we can move it into a 360 realm of encompassing the entire audience. This allows us to be a lot more impactful with our message. It also allows sound to become more of the design from the forefront as opposed to an afterthought.

**Josh Conway, BigBoyNoise,  
On Dreamforce (Corporate Event).**



“

St. Michael's eagerness to invest in next-generation technology has allowed the students to get hands-on experience with equipment that is relatively new in Australia and will ultimately prove to be an investment for the future of the performance industry.

**Kate Kelly, Director & Theatre Consultant, Studio Entertech,  
on St Michael's Grammar School, Australia.**







# Software & Services



**Soundvision (and Soundvision Connect)**  
3D acoustical modeling and simulation software. Design and optimize L-Acoustics systems in real-world venues.



**LA Network Manager**  
Real-time monitoring and control software for managing L-Acoustics amplified controllers across a network.



**3rd-Party Connectivity**  
Certified plugins and modules including Q-SYS, Crestron, and Control4. [Find our AES67 and Q-SYS guide here.](#)



**L-ISA Studio**  
Immersive audio mixing software enabling sound designers and engineers to create spatial audio content using object-based mixing.



**L-ISA Controller**  
Live control interface for L-ISA Immersive Hyperreal Sound systems, used to manage object positioning and system calibration in real-time.



**Services**  
Global end-to-end support from ideation through to calibration and commissioning.





# Find out more



## Training

[Join our AVIXA-Certified training programs](#) to deepen your knowledge and get hands-on experience with L-Acoustics systems.



## Product Demonstration

[Book a demo and experience the power](#) and precision of L-Acoustics technology firsthand.



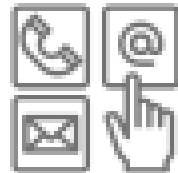
## Partner Locator

[Find your nearest authorized L-Acoustics Certified Partner](#) and get expert support wherever you are.



## Explore Further

Check out the latest updates on the [Application](#) pages on our website.



## Contact us

[Get in touch with our team.](#) We're here to answer your questions and help with your next project.



## Follow us





