

# X4i MINIATURE ENCLOSURE FOR INSTALL



- Minimal depth and frontal area
- Exceptional output-to-size ratio
- Wide directivity with consistent off-axis response
- Integration in-wall and in-ceiling
- High density per amplifier channel
- Weather resistant IP55



## ELECTRO-ACOUSTICS



X4i is an installation-specific miniature coaxial system designed for short throw applications requiring seamless integration in the smallest spaces. X4i features a 1.4" diaphragm compression driver coaxially loaded by a 4" neodymium low-mid frequency transducer mounted in a closed cabinet.

X4i operates from 120 Hz to 20 kHz and delivers a peak SPL of 116 dB. The coaxial transducer arrangement produces a 110° axisymmetric directivity with a smooth tonal response free of secondary lobes over the entire frequency range.

The internal passive crossover network uses custom filters. The L-Acoustics amplified controllers L-Drive parameters ensure the linearization and protection of the transducers.

## PHYSICAL

The X4i cabinet is made of first grade Baltic birch plywood to ensure maximum acoustical and mechanical integrity. Its compact and elegant enclosure weighs only 1 kg / 2.2 lb and is extremely shallow - less than 10 cm / 4 in - to fit within the depth allowed by conventional construction.

The minimalist dimensions and the flexible accessories make for an easy integration in any situation, may this be on a wall, on a ceiling, in its standard version or integrated within these in the recessed version X4r. An optional white or RAL architectural program allows X4i or X4r to blend into the architecture of a venue.

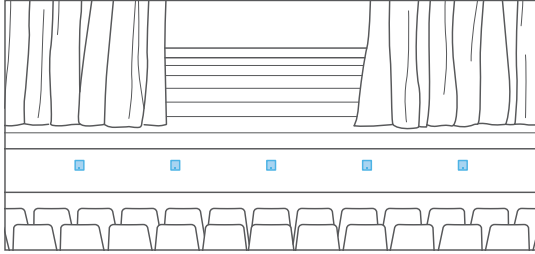
The weatherized X4i features two screw terminals that can be protected by a connector sealing plate with two cable glands, reaching an IP55 rating, making X4i ideal for outdoor operation.



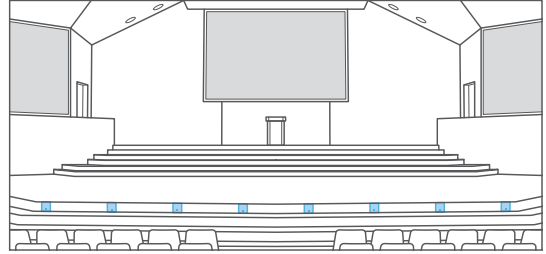
White and RAL architectural program

# APPLICATIONS

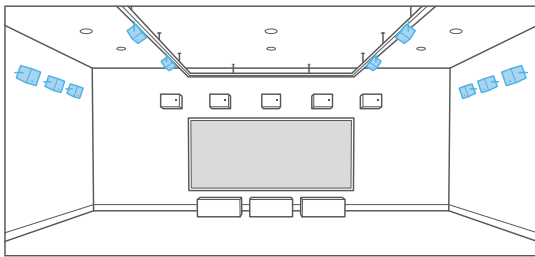
X4i is an ideal fill enclosure. It delivers exceptional output and broad bandwidth that perfectly complement larger systems. Supplemented by an L-Acoustics subwoofer, the weatherized X4i is also ideal as a background music system in venues that demand discretion and premium audio quality. The coaxial design combined with the shallow enclosure and the optional RAL color program integrates seamlessly in architecturally challenging environments to ensure excellent spatialization and no minimum listening distance.



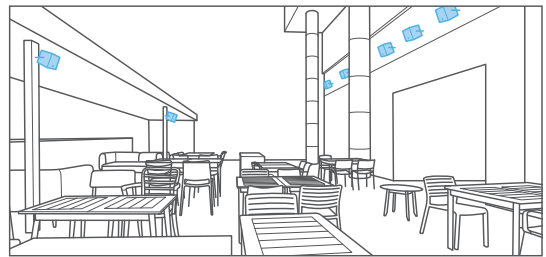
Front fills (Stage lips)



Front fills (Stair risers)




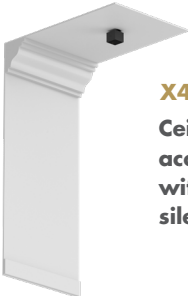

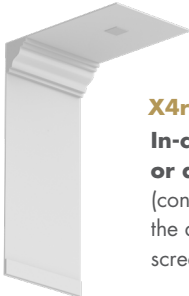


Surrounds and Overheads (Immersive auditorium)



Background music system (outdoor restaurant)





# RIGGING

X4i can be mounted on a wall and ceiling, mounted on a microphone pole or stacked via the brackets or wall-mount accessories. Wall-mount accessories allow for Pan and Tilt orientation. For the highest level of discretion, the recessed version X4r can be mounted in-wall and in-ceiling, recessed behind a custom-colored front screen.

<b>X4i</b> <b>For on-wall &amp; on-ceiling integration</b>	<b>X4r</b> <b>For in-wall &amp; in-ceiling integration</b>	<b>X4i</b> <b>For flown / pole-mounted / stacked configurations</b>
 <p><b>X4i-onCW</b>  <b>Wall-mount accessories with or without silent blocks</b></p> <p><b>with Pan, Tilt and Pan-Tilt accessories</b></p>  <p><b>X4i-onCW</b>  <b>Ceiling-mount accessories with or without silent blocks</b></p>	 <p><b>X4r inWall</b>  <b>In-wall X4i</b> (contains the loudspeaker, the accessories and the screen)</p>  <p><b>X4r inWall/ X4r inTile</b>  <b>In-ceiling X4i for tiles or drywall ceilings</b> (contains the loudspeaker, the accessories and the screen)</p>	 <p><b>X-U4i</b>  <b>Bracket for surface mount</b></p>  <p><b>X-U4i</b>  <b>Bracket for pole-mount</b></p>  <p><b>X-B4i</b>  <b>Bracket for stacking</b></p>

## AMPLIFIED CONTROLLERS

LA2Xi and LA4X are the recommended amplified controllers with four X4i per output channel. 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
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	17.5 kg / 38.6 lbs	4.40 kg / 9.70 lbs	11.3 kg / 24.9 lbs	14.5 kg / 32 lbs
<b>Drive capability</b>				
Max. number of enclosures per channel	4	4	4	6
Max. number of enclosures per amplifier	64	16	16	24
Max SPL ([X4] preset)	116 dB	116 dB	116 dB	116 dB

## SUBWOOFER

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

SB6 + X4: 29 Hz – 20 kHz  
Ratio of 1 SB6 to 1 X4  
Contour reinforced by 10 dB at 50 Hz



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

SB10 + X4: 27 Hz – 20 kHz  
Ratio of 1 SB10 to 2 X4  
Contour reinforced by 12 dB at 50 Hz



## 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

### X series: a complete range for professional sound reinforcement



X4i 5XT X8 X12 X15 HiQ

The X Series is comprised of five coaxial enclosures with distinct formats, bandwidth, SPL and coverage angles adapted to short throw applications in rental productions and fixed installations. With studio monitor sound quality, the X Series convey a natural and transparent sound.

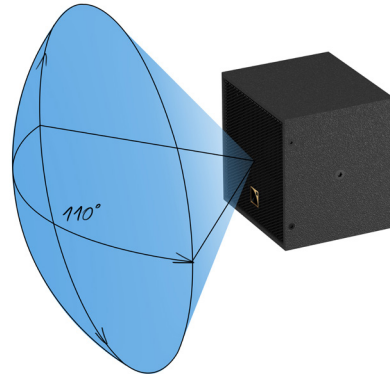
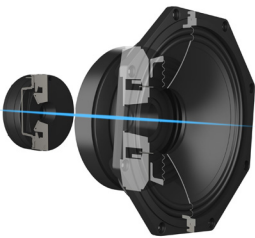
Coaxial technology allows for a compact design and constant tonal balance over distance, giving the X Series smooth coverage for off-axis audiences, no minimum listening distance and high feedback rejection.

# COVERAGE

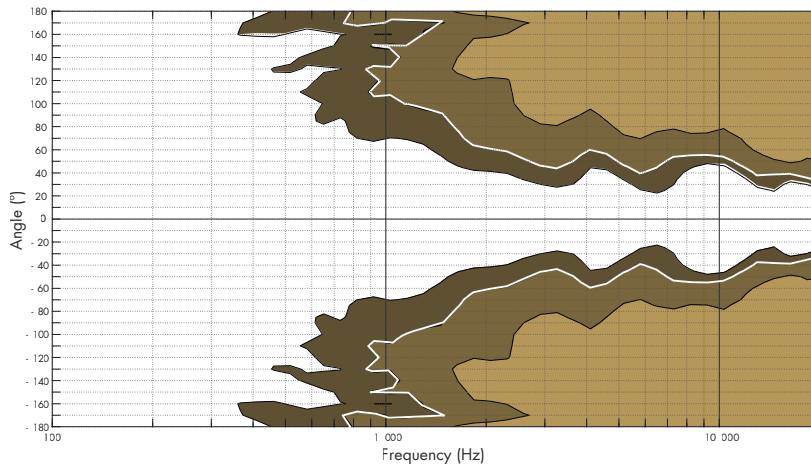
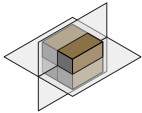
## About coaxial technology

In 1989, L-Acoustics introduced the first coaxial loudspeaker enclosure for professional sound reinforcement, bringing studio quality to near-field applications for the first time. Since then, coaxial technology has been implemented in all L-Acoustics point sources.

A coaxial design approach aligns LF and HF acoustic centers to achieve a single point source radiation with coherent wavefront at all frequencies, that is free of polar lobing effects, typical of traditional horn and woofer combinations. This results in natural, studio monitor sound quality, ideal for proximity use.



# BEAMWIDTH



► Dispersion angle diagram of a single X4i in vertical and horizontal plane using lines of equal sound pressure at -3 dB, -6 dB, -12 dB.

# X4i SHORT THROW POINT SOURCE



X4i is an installation-specific miniature point source system designed for short throw applications. Part of the X Series, X4i is a 4" format loudspeaker that provides exceptional output and broad bandwidth for its size, ensuring premium sonic performance in an extremely compact enclosure.

X4i is a two-way passive enclosure with transducers mounted coaxially to produce a 110° axisymmetric directivity with a smooth tonal response free of secondary lobes over the entire frequency range. Housed in a cabinet made of first grade Baltic birch plywood, X4i weighs only 1 kg / 2.2 lb and is extremely shallow - less than 10 cm / 4 in - to fit within the depth allowed by conventional construction.

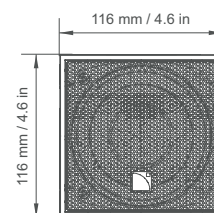
The combination of minimalist dimensions, flexible accessories, white and RAL architectural programs and an IP55 rating make for an easy integration in any situation. On its own, X4i is an ideal complement to larger systems in venues that require seamless integration in the smallest spaces such as theaters, houses of worship, corporate facilities and studios. Supplemented by a subwoofer, X4i is also perfect as a distributed background music system, indoor or outdoor, in bars, restaurant, conference rooms, museums and other hospitality venues.

## SPECIFICATIONS

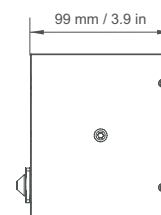
<b>Description</b>	2-way passive coaxial enclosure amplified by LA7.16i / LA2Xi / LA4X / LA12X	
	Preset [X4_60]	Preset [X4]
<b>Usable bandwidth (-10 dB)</b>	65 Hz - 20 kHz	120 Hz - 20 kHz
<b>Maximum SPL<sup>1</sup></b>	110 dB	116 dB
<b>Nominal directivity (-6 dB)</b>	110° axisymmetric	
<b>Transducers</b>	LF: 1 x 4" neodymium HF: 1 x 1.4" diaphragm neodymium compression driver	
<b>Acoustical load</b>	Closed enclosure	
<b>Nominal impedance</b>	16 Ω	
<b>Connectors</b>	IN: 1 x 2-point screw terminal LINK: 1 x 2-point screw terminal Connector sealing plate with cable gland	
<b>Rigging and handling</b>	X4i: 2 M5 inserts on the side for X-U4i / X-B4i X4i: 2 M6 inserts on the rear for on-wall and on-ceiling accessories (X4i-onCW) X4r inWall / inTile recessed versions	
<b>Safety</b>	1 M6 insert on the back for secondary safety	
<b>Weight (net)</b>	1 kg / 2.2 lb	
<b>Cabinet</b>	Premium grade Baltic birch plywood	
<b>Front</b>	Steel grill with anti-corrosion coating	
<b>Finish</b>	Dark grey brown Pantone 426C Pure white RAL 9010 Custom RAL code on special order	
<b>IP</b>	IP55 <sup>2</sup>	

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

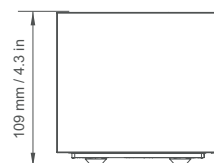
<sup>2</sup> - With connector sealing plate



Front

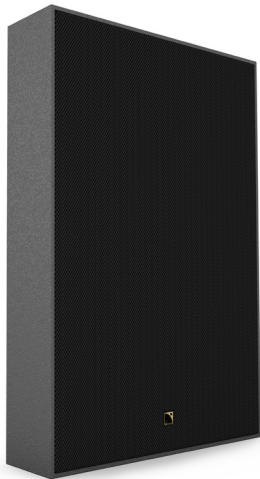


Side



Top

# SB6 ULTRA-SHALLOW SUBWOOFER



L-VENTS

<b>Description</b>	Ultra-shallow subwoofer: 2 x 6,5" amplified by LA7.16i / LA2Xi / LA4X / LA12X		
	Preset [SB6_60]	Preset [SB6_100]	Preset [SB6_200]
<b>Low frequency limit (-10 dB)</b>	29 Hz	29 Hz	32 Hz
<b>Maximum SPL<sup>1,2</sup></b>	110 dB	111 dB	115 dB
<b>Nominal directivity</b>	Standard		
<b>Transducers</b>	2 x 6.5" neodymium cone driver		
<b>Acoustical load</b>	Bass-reflex, L-Vents		
<b>Nominal impedance</b>	4 Ω		
<b>Connectors</b>	4-point terminal block with push-in connection and connector sealing plate		
<b>Rigging and handling</b>	SB6i: 8 x M6 inserts for on-wall and on-ceiling accessories (SB6i-onCW) and safety SB6r inWall / inCeiling / inTile recessed versions		
<b>Weight (net)</b>	8,6 kg / 19 lb		
<b>Cabinet</b>	Premium grade Baltic beech and birch plywood		
<b>Front</b>	Coated steel grill Acoustically neutral 3D fabric		
<b>Finish</b>	Dark grey brown Pantone 426 C Pure white RAL 9010 Custom RAL code on special order		
<b>IP</b>	IP55		

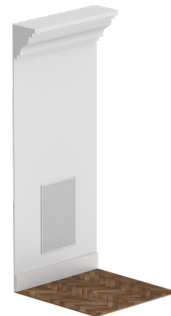
<sup>1</sup> Peak level at 1 m under half space conditions using pink noise with crest factor 4 (preset specified in brackets).

<sup>2</sup> For Max SPL values using LA2Xi, refer to LA2Xi system specification sheet.

## INTEGRATION

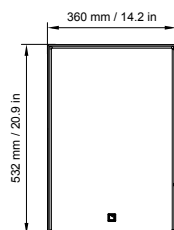


▶ SB6i  
with SB6i-onCW accessory

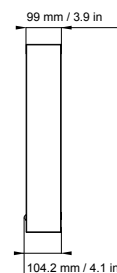


▶ SB6r inWall  
▶ SB6r inCeiling  
▶ SB6r inTile

## DIMENSIONS



Front



Side

# SB10 ULTRA-COMPACT SUBWOOFER



<b>Description</b>	Ultra compact subwoofer: 1 x 10" amplified by LA7.16i / LA2Xi / LA4X / LA12X		
	Preset [SB10_60]	Preset [SB10_100]	Preset [SB10_200]
<b>Low frequency limit (-10 dB)</b>	25 Hz	27 Hz	29 Hz
<b>Maximum SPL<sup>1,2</sup></b>	119 dB	122 dB	124 dB
<b>Nominal directivity</b>	Standard		
<b>Transducers</b>	1 x 10" cone driver		
<b>Acoustical load</b>	Bass-reflex, L-Vents		
<b>Nominal impedance</b>	8 Ω		
<b>Connectors</b>	4-point terminal block with push-in connection and connector sealing plate		
<b>Rigging and handling</b>	SB10i: 12 x M6 inserts for on-wall and on-ceiling accessories (SB10i-onCW) SB10r inWall / inCeiling / inTile recessed versions		
<b>Weight (net)</b>	14 kg / 31 lb		
<b>Cabinet</b>	Premium grade Baltic birch plywood		
<b>Front</b>	Coated steel grill Acoustically neutral 3D fabric		
<b>Finish</b>	Dark grey brown Pantone 426 C Pure white RAL 9010 Custom RAL code on special order		
<b>IP</b>	IP55		

<sup>1</sup> Peak level at 1 m under half space conditions using pink noise with crest factor 4 (preset specified in brackets).  
<sup>2</sup> For Max SPL values using LA2Xi, refer to LA2Xi system specification sheet.

## INTEGRATION



## DIMENSIONS

