X4i MINIATURE ENCLOSURE

- **Minimal depth and frontal area**
- **Exceptional output-to-size ratio**
- **Wide directivity with consistent off-axis response**
- **Simple integration**
- **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.

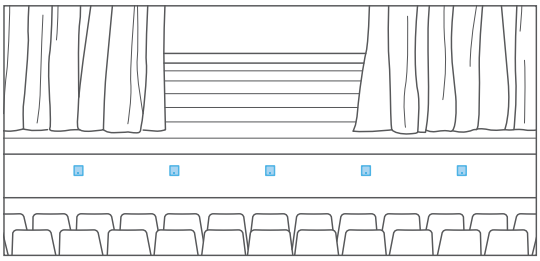
The minimalist dimensions and the flexible accessories make for an easy integration in any situation. An optional white or RAL architectural program allows X4i to blend into the architecture of a venue.

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.

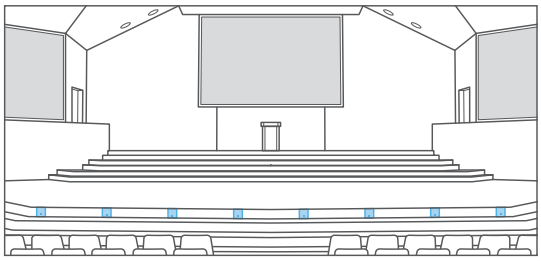
White and RAL architectural program

APPLICATIONS

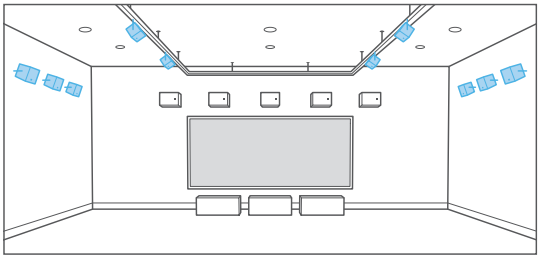
X4i is an ideal fill enclosure. It delivers exceptional output and broad bandwidth that perfectly complement larger systems. Supplemented by an L-Acoustics subwoofer, the weatherized X4i is also ideal as a background music system in venues that demand discretion and premium audio quality. The coaxial 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.



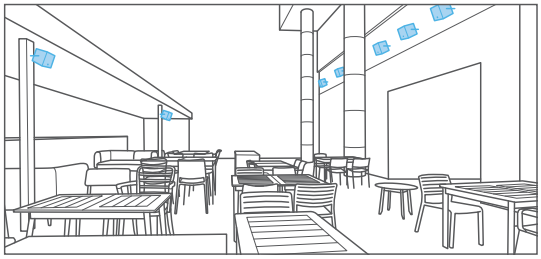
Front fills (Stage lips)



Front fills (Stair risers)



Surrounds and Overheads (Immersive auditorium)

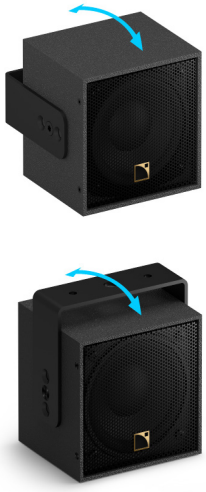


Background music system (outdoor restaurant)

RIGGING

X4i can be flown, wall mounted, ceiling mounted and pole mounted using the X-U4i bracket. X4i has two M6 inserts on the back to attach the K&M 24161 universal speaker wall mount accessory for indoor installations. This accessory allows adjusting both horizontal and vertical orientation.

X-U4i
U-bracket for X4i



Wall or ceiling mount

X-U4i
U-bracket for X4i

Pole mount

AMPLIFIED CONTROLLERS

Amplified controllers	LA2Xi	LA4X	LA12X
Front and back panel			
Install / Touring	Install	Install / Touring	Install / Touring
In x Out	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	 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	1U	2U	2U
Weight	4.40 kg / 9.70 lbs	11.3 kg / 24.9 lbs	14.5 kg / 32 lbs
Drive capability X4i			
Max. number of enclosures per channel	4	4	6
Max. number of enclosures per amplifier	16	16	24
Max SPL	116 dB	116 dB	116 dB

SUBWOOFER

SYVA SUB: infra subwoofer (1 x 12”)

Syva Sub + X4i bandwidth: 27 Hz – 20 kHz
Ratio of 1 Syva Sub to 5 X4i
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
4monitoring up to 253 units
Multiple network topologies

X4i 5XT X8 X12 X15 HiQ

X series: a complete range for professional sound reinforcement

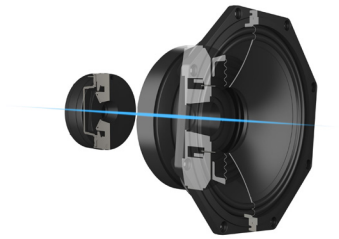
The X Series is comprised of five coaxial enclosures with distinct formats, bandwidth, SPL and coverage angles adapted to short throw applications in rental productions and fixed installations. With studio monitor sound quality, the X Series convey a natural and transparent sound.
Coaxial technology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

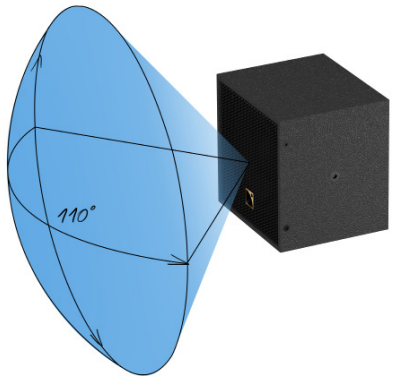
COVERAGE

About coaxial technology

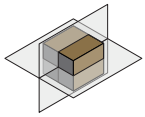
In 1989, L-Acoustics introduced the first coaxial loudspeaker enclosure for professional sound reinforcement, bringing studio quality to near-field applications for the first time. Since then, coaxial technology has been implemented in all L-Acoustics point sources.

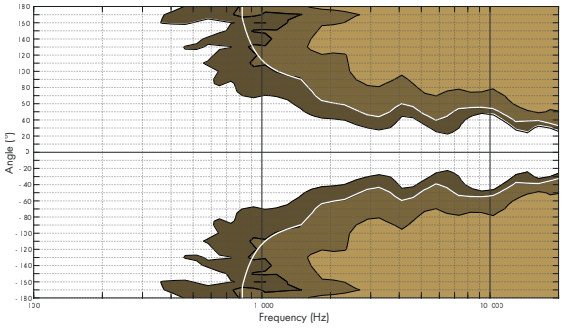
A coaxial design approach aligns LF and HF acoustic centers to achieve a single point source radiation with coherent wavefront at all frequencies, that is free of polar lobing effects, typical of traditional horn and woofer combinations. This results in natural, studio monitor sound quality, ideal for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

POINT SOURCE

COAXIAL

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.

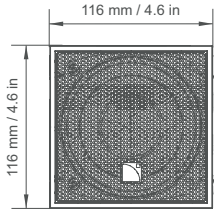
X4i is a two-way passive enclosure with transducers mounted coaxially to produce a 110° axisymmetric directivity with a smooth tonal response free of secondary lobes over the entire frequency range. Housed in a cabinet made of first grade Baltic birch plywood, X4i weighs only 1 kg / 2.2 lb and is extremely 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.

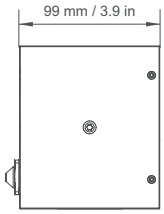
SPECIFICATIONS

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

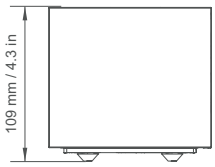
1- Peak level at 1 m under free field conditions using pink noise with crest factor 4 (preset specified in brackets).
2 - With connector sealing plate



Front



Side



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