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**
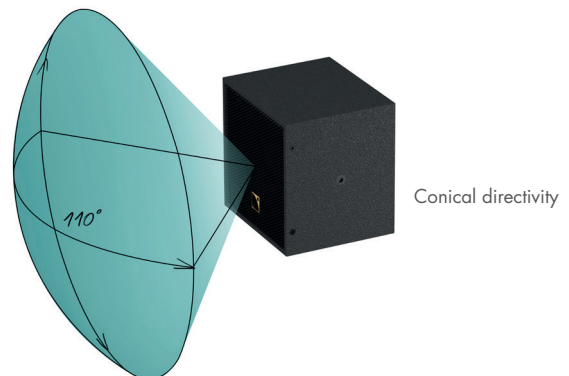- ■ **Weather resistant IP55**

POINT SOURCE   COAXIAL

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.

Conical directivity

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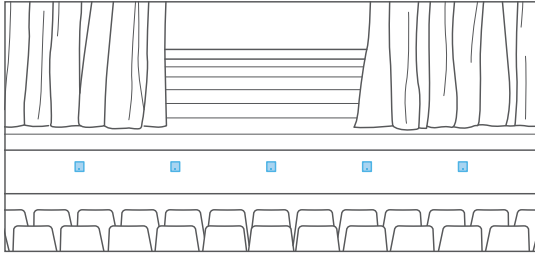
The weatherized X4i features two screw terminals that can be protected by a connector sealing plate with two cable glands, reaching an IP55 rating, making X4i ideal for outdoor operation.
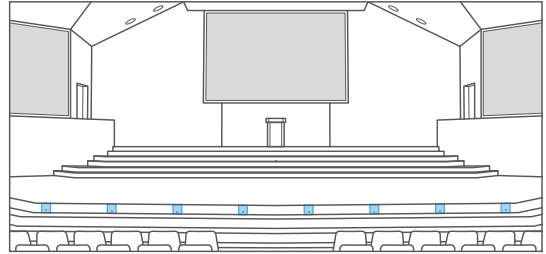

White and RAL architectural program
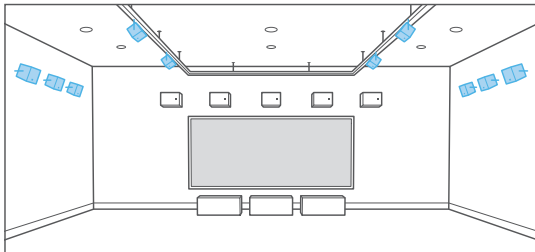
APPLICATIONS AND BENEFITS

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.
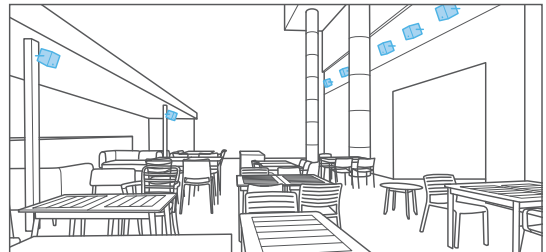
Front fills (Stage lips)

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

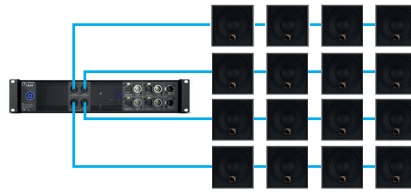Wall or ceiling mount

X-U4i
U-bracket for X4i

Pole mount

AMPLIFIED CONTROLLERS
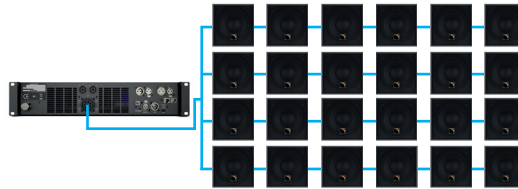
LA4X: amplified controller with DSP

4 x 1000 W/8 ohms or 4 ohms
4 inputs x 4 outputs architecture
Max 16 enclosures per amplified controller
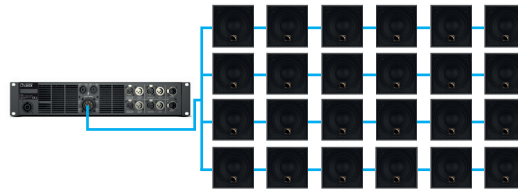
LA8: amplified controller with DSP

4 x 1800 W/4 ohms or 2.7 ohms
2 inputs x 4 outputs architecture
Max 24 enclosures per amplified controller

LA12X: amplified controller with DSP

4 x 3300 W/ 2.7 ohms
4 inputs x 4 outputs architecture
Max 24 enclosures per amplified controller

SUBWOOFER

SYVA SUB: infra subwoofer (1 x 12'')

Syva Sub + X4i bandwidth: 27 Hz – 20 kHz
Ratio of 1 Syva Sub to 5 X4i
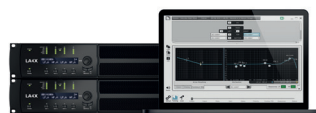Contour reinforced by 12 dB at 50 Hz

X4i

Syva Sub

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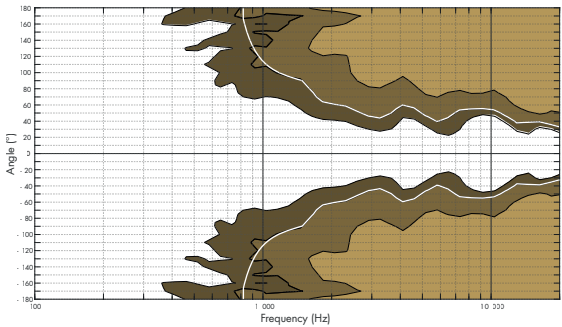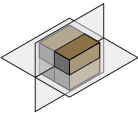
Coaxial technology allows for a compact design and constant tonal balance over distance, giving the X Series smooth coverage for off-axis audiences, no minimum listening distance and high feedback rejection.

SPECIFICATIONS

Description	2-way passive coaxial enclosure amplified by LA4X / LA8 / LA12X
Usable bandwidth (-10 dB)	120 Hz - 20 kHz ([X4])
Maximum SPL[1]	116 dB ([X4])
Nominal directivity	110° axisymmetric
Transducers	LF: 1 × 4'' neodymium
	HF: 1 × 1.4''
Acoustical load	Closed enclosure
Nominal impedance	16 Ω
Connectors	IN: 1 × 2-point screw terminal
	LINK: 1 × 2-point screw terminal
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	First 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

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.

DIMENSIONS

116 mm / 4.6 in
116 mm / 4.6 in
99 mm / 3.9 in
109 mm / 4.3 in