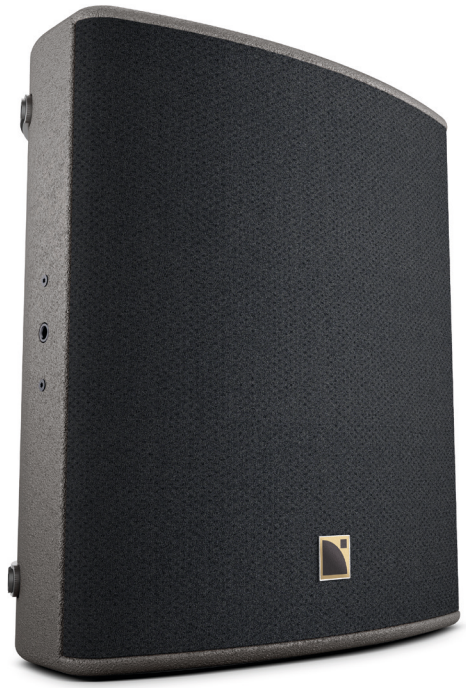
X12 MULTI-PURPOSE ENCLOSURE

ELECTRO-ACOUSTICS

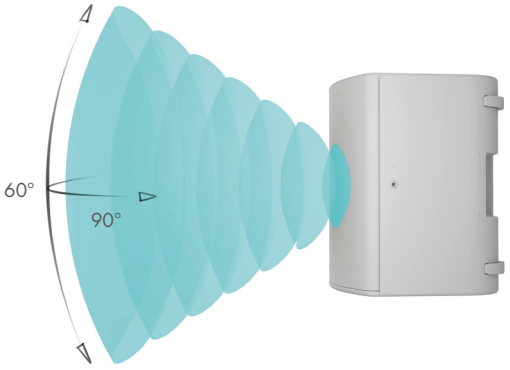
POINT SOURCE | COAXIAL | L-VENTS | ELLIPSOID WAVEGUIDE



The X12 is a multipurpose coaxial system perfectly suited to all short throw sound reinforcement applications. The enclosure features a 3'' diaphragm compression driver coaxially loaded by a 12'' low frequency transducer in a bass-reflex cabinet. The L-Vents laminar vented ports reduce turbulence and port noise at high levels to increase LF efficiency.

The X12 operates from 59 Hz to 20 kHz. The coaxial transducer arrangement and its ellipsoid acoustic design produce a 90° x 60° directivity pattern 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.



Ellipsoid acoustic design

L-Vents laminar vented ports

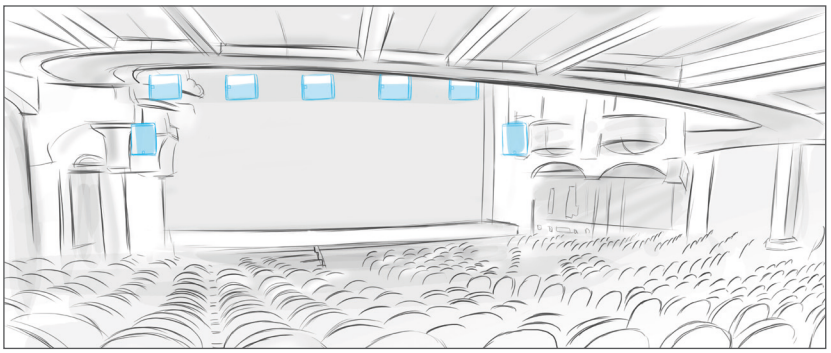
PHYSICAL

With a cabinet combining the properties of birch and beech plywood, X12 weighs 20 kg and its elegance makes for an easy integration in any situation. Ergonomic handles provide a solid grip and efficient handling. An optional white or RAL color program means that it can melt into any architecture. The X12 provides a stage monitoring angle setting of 35° with regard to vertical or 55° thanks to its built-in risers.

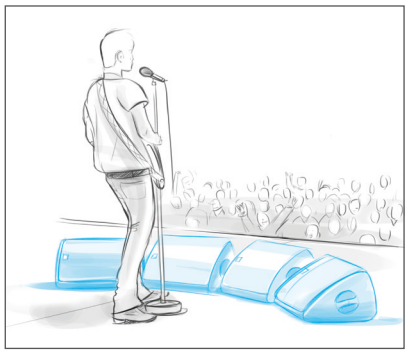
Elegance as a FOH PA or stage monitor

APPLICATIONS AND BENEFITS

The ellipsoid directivity of 90° x 60° gives optimized coverage for FOH and fill applications, distributed systems, stage monitoring and more. The compact footprint allows for discreet integration, preserving sightlines. The passive design reduces the need for amplified controller.



FOH multi channel installation



Stage monitor

RIGGING

The X12 can be pole-mounted using the integrated socket. Other deployments such as wall-mounted, ceiling-mounted or flown are quick and easy, with a complete range of rigging accessories that offer multiple set-up options and various orientations.

X-UL12
Long U-bracket for X12

Wall or ceiling mounts

X-US1215
Short U-bracket for X12

Wall or ceiling mounts

X-UTILT
U-bracket*

Wall mount

Wall mount

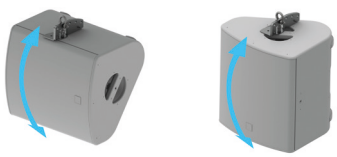
Pole mount socket

* wall mount with tilt adjustment

CLAMP250
Clamp certified for 250 kg

Flown with X-BAR

X-BAR
Rigging bar



Vertical or horizontal - 10 angulations

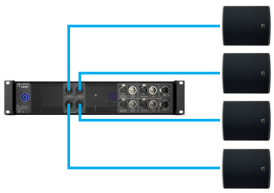
EMBi
Pole mount socket

With X-US1215

AMPLIFIED CONTROLLERS

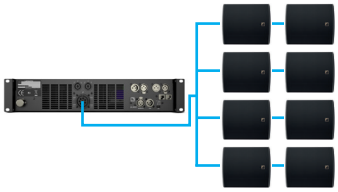
LA4X: amplified controller with DSP

4 x 1000 W/8 ohms or 4 ohms
4 inputs x 4 outputs architecture
Max 4 enclosures per amplified controller



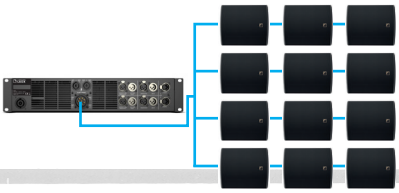
LA8: amplified controller with DSP

4 x 1800 W/4 ohms or 2.7 ohms
2 inputs x 4 outputs architecture
Max 8 enclosures per amplified controller



LA12X: amplified controller with DSP

4 x 3300 W/ 2.7 ohms
4 inputs x 4 outputs architecture
Max 12 enclosures per amplified controller



L-CASE: transport and operation case for electronics

Capacity: single 2U amplified controller
Stacked or flown

SUBWOOFERS

SB15m: compact subwoofer (1x15")

System bandwith: 40 Hz - 20 kHz
Contour reinforced by 8 dB at 100 Hz
Ratio of one SB15m to one X12

SB18(i/m): compact high power subwoofer (1x18")

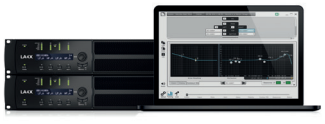
System bandwith: 32 Hz - 20 kHz
Contour reinforced by 8 dB at 100 Hz
Ratio of one SB18 to one X12

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

5XT X8 X12 X15 HiQ

X series: a complete range for professional sound reinforcement

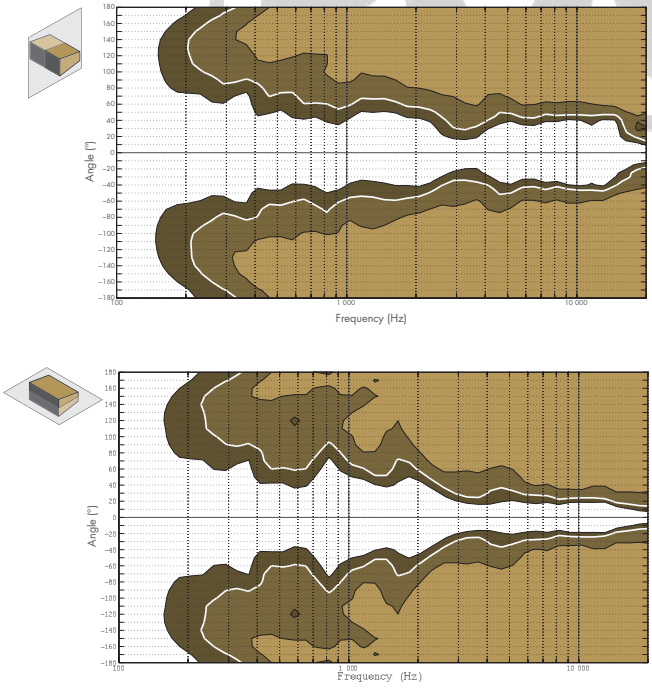
The X Series comprise four coaxial enclosures with distinct formats, bandwidth, SPL and coverage angles adapted to short throw applications in rental productions and fixed installations. With studio monitor sound quality, the X Series convey a natural and transparent sound.
Coaxial technology allows 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	Passive 2-way coaxial enclosure, controlled and amplified by LA4X / LA8
Usable bandwidth (-10 dB)	59 Hz - 20 kHz ([X12] preset)
Maximum SPL[1]	136 dB ([X12] preset)
Nominal directivity	Vertical: 90°
	Horizontal: 60°
Monitoring angle[2]	35° without risers
	55° with risers
Transducers	LF: 1 × 12" neodymium, bass-reflex, laminar vents
	HF: 1 × 3" neodymium compression driver, ellipsoid waveguide
Nominal impedance	8 Ω
Connectors	IN: SpeakON®
	LINK: SpeakON®
Rigging and handling	2 × handles
	DIN580-compatible M8 threaded insert
	4 × M10 threaded inserts
	2 × 35 mm pole sockets
Weight (net)	20 kg / 44.1 lb
Cabinet	First grade Baltic birch and beech plywood
Finish	Dark grey brown Pantone® 426C
	Pure white RAL® 9010
	Custom RAL® code on special order
IP	IP43

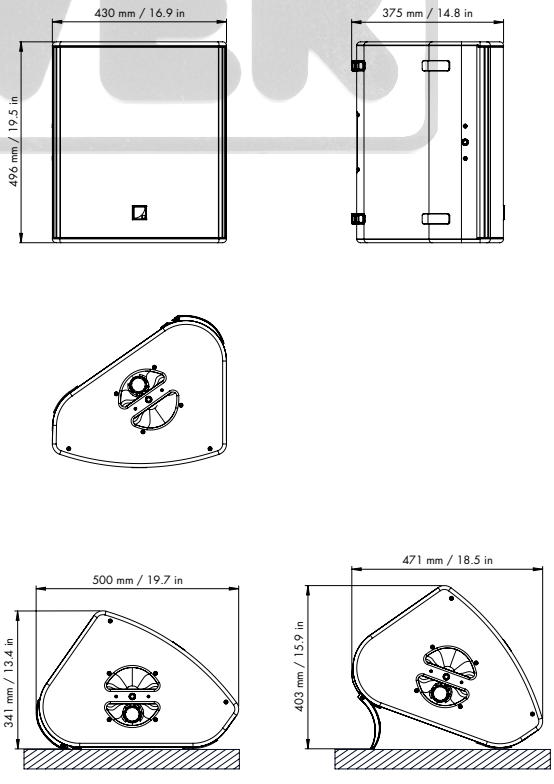
1- Peak level at 1 m under free field conditions using pink noise with crest factor 4 (preset specified in brackets).
2- With regard to vertical.

BEAMWIDTH



▶ Dispersion angle diagram of a single X12 in vertical (top) and horizontal (bottom) plane using lines of equal sound pressure at -3 dB, -6 dB, -12 dB.

DIMENSIONS



X12_SPS_EN_3.0/03.17