

# X15 HiQ REFERENCE STAGE MONITOR



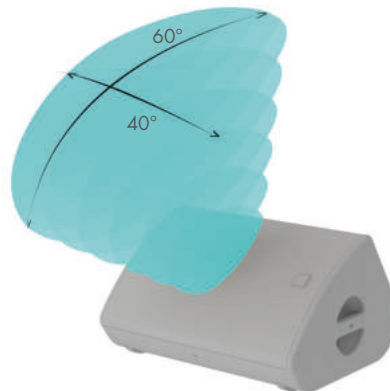
## ELECTRO-ACOUSTICS



The X15 HiQ is an active coaxial system designed as a reference stage monitor. The enclosure features a 3" diaphragm compression driver coaxially-loaded by a 15" 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 X15 HiQ operates from 55 Hz to 20 kHz. The coaxial transducer arrangement and its ellipsoid waveguide produce a 40° x 60° directivity pattern with a smooth tonal response free of secondary lobes over the entire frequency range. As a result, X15 HiQ boasts an exceptional immunity to feedback.

The L-Acoustics amplified controllers ensure the advanced crossover functions, time alignment, linearization and L-Drive protection of the transducers.



Ellipsoid directivity



L-Vents laminar vented ports

## PHYSICAL

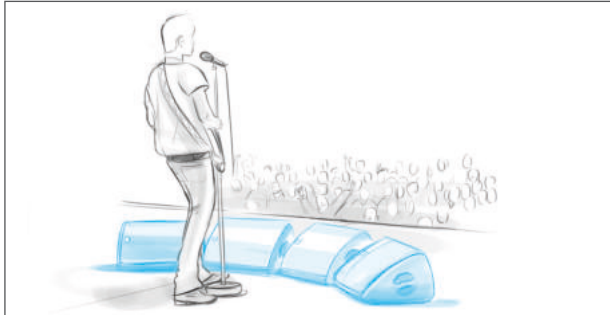
With a cabinet combining the properties of birch and beech plywood, X15 HiQ weighs a mere 21 kg and features ergonomic handles for a solid grip and efficient handling. Its elegance and ultra-low profile make for an easy integration into the set. It provides a stage monitoring angle setting of 35° with regard to vertical or 55° thanks to its built-in risers. For special narrow fill applications, the X15 HiQ can be pole-mounted using the integrated socket or flown and tilted in various orientations using its rigging accessories.



Dual stage monitoring angle - built-in risers

# APPLICATIONS AND BENEFITS

The X15 HiQ combines all the qualities of a reference stage monitor. It offers power (SPL) in beamwidth, an excellent acoustic isolation with its narrow ellipsoid directivity of 40° x 60°, a high immunity to feedback, an ultra-low profile and low weight for integration and handling, a rugged build and an active design with low latency preset. In addition, sound designers can take advantage of its directivity for narrow fill applications.



Stage monitor



Narrow fills

# RIGGING

The X15 HiQ 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-UL15**  
Long U-bracket for X15 HiQ

Wall or ceiling mounts

**X-UTILT**  
U-bracket\*

Wall mount

**Pole mount socket**

**X-US1215**  
Short U-bracket for X15 HiQ

Wall or ceiling mounts

Wall mount

\* 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

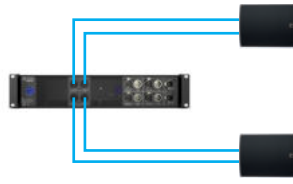
With X-US1215

## AMPLIFIED CONTROLLERS

### LA4X: amplified controller with DSP



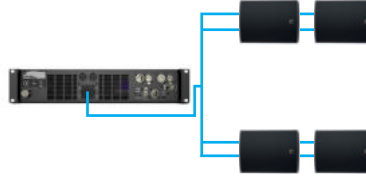
4 x 1000 W / 8 ohms or 4 ohms  
4 inputs x 4 outputs architecture  
Max 2 enclosures per amplified controller



### LA8: amplified controller with DSP



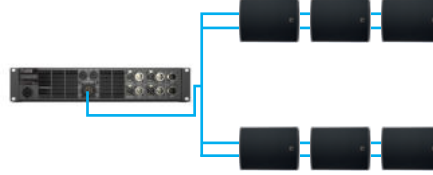
4 x 1800 W / 4 ohms or 2.7 ohms  
2 inputs x 4 outputs architecture  
Max 4 enclosures per amplified controller



### LA12X: amplified controller with DSP



4 x 3300 W / 2.7 ohms  
4 inputs x 4 outputs architecture  
Max 6 enclosures per amplified controller



### LA-RAK: touring rack containing three LA8, with power, audio and network distribution



## SUBWOOFERS

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



System bandwidth: 32 Hz - 20 kHz  
Contour reinforced by 8 dB at 100 Hz  
Ratio of one SB18 to one X15 HiQ



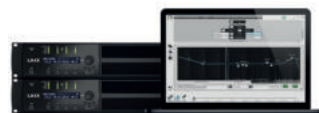
## SOFTWARE

### 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



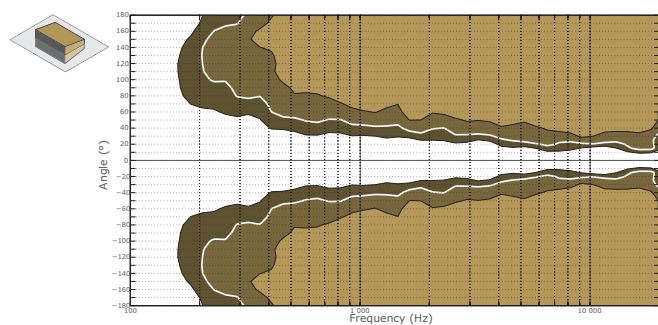
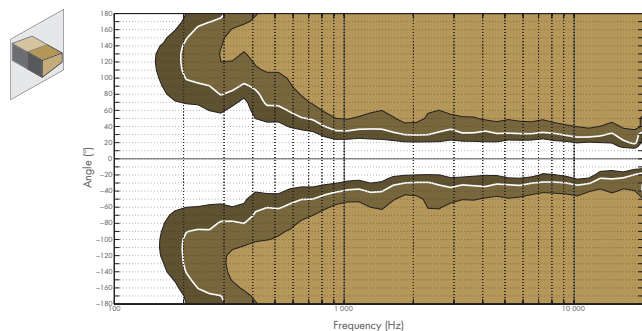
The X Series comprise four coaxial enclosures with distinct formats, bandwidth, SPL and coverage angles adapted to short throw applications in rental productions and fixed installations. With studio monitor sound quality, the X Series convey a natural and transparent sound. Coaxial technology allows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

<b>Description</b>	Active 2-way coaxial enclosure, controlled and amplified by LA4X / LA8
<b>Usable bandwidth (-10 dB)</b>	55 Hz - 20 kHz ([X15] preset)
<b>Maximum SPL<sup>1</sup></b>	138 dB ([X15] preset)
<b>Nominal directivity</b>	Vertical: 60° Horizontal: 40°
<b>Monitoring angle<sup>2</sup></b>	35° without risers 55° with risers
<b>Transducers</b>	LF: 1 × 15" neodymium, bass-reflex, laminar vents HF: 1 × 3" neodymium compression driver, ellipsoid waveguide
<b>Nominal impedance</b>	LF: 8 Ω HF: 8 Ω
<b>Connectors</b>	IN: SpeakON® LINK: SpeakON®
<b>Rigging and handling</b>	2 × handles DIN580-compatible M8 threaded insert 4 × M10 threaded inserts 2 × 35 mm pole sockets
<b>Weight (net)</b>	21 kg / 46.2 lb
<b>Cabinet</b>	First grade Baltic birch and beech plywood
<b>Finish</b>	Dark grey brown Pantone® 426C Custom RAL® code on special order
<b>IP</b>	IP43

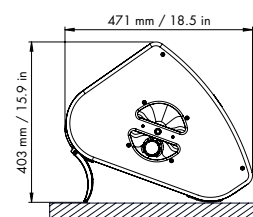
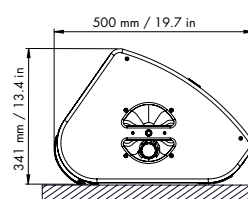
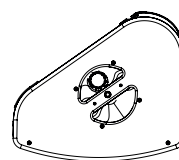
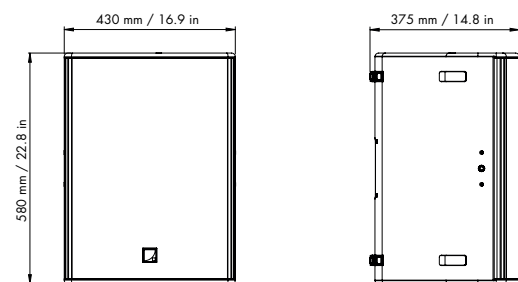
1- Peak level at 1 m under free field conditions using pink noise with crest factor 4 (preset specified in brackets).  
2- With regard to vertical.

## BEAMWIDTH



► Dispersion angle diagram of a single X15 HiQ in vertical (top) and horizontal (bottom) plane using lines of equal sound pressure at -3 dB, -6 dB, -12 dB.

## DIMENSIONS



# X12 MULTI-PURPOSE ENCLOSURE



## ELECTRO-ACOUSTICS



POINT SOURCE



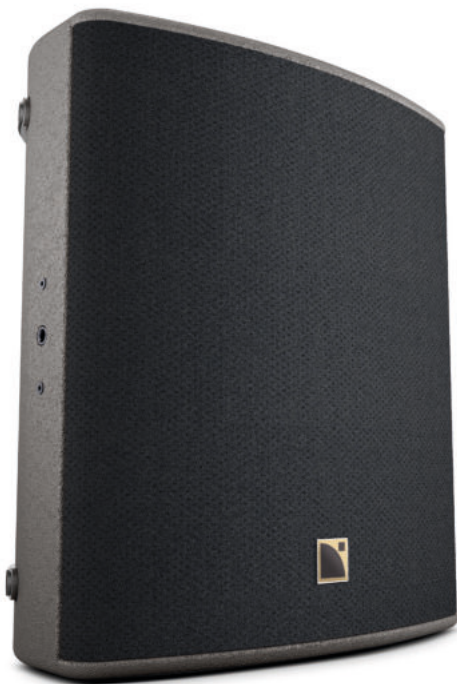
COAXIAL



L-VENTS



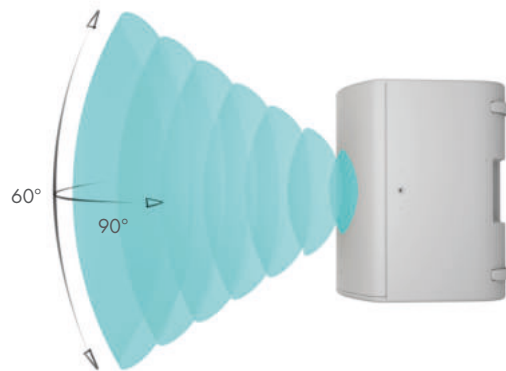
ELLIPSOID WAVEGUIDE



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

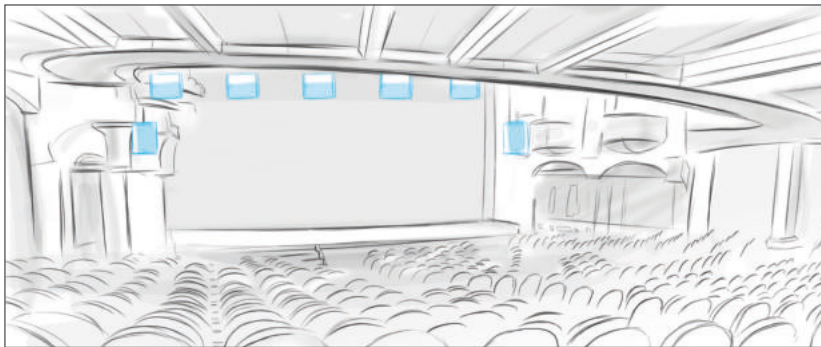
With a cabinet combining the properties of birch and beech plywood, X12 weighs 20 kg and its elegance makes for an easy integration in any situation. Ergonomic handles provide a solid grip and efficient handling. An optional white or RAL color program means that it can melt into any architecture. The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



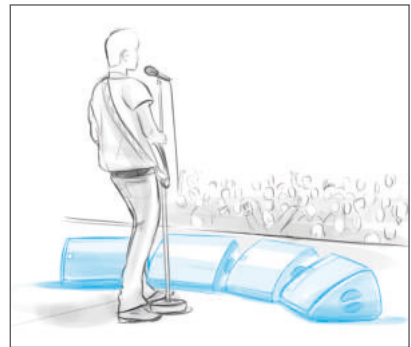
Elegance as a FOH PA or stage monitor

# 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-UTILT**  
U-bracket\*

Wall mount

**Pole mount socket**

**X-US1215**  
Short U-bracket for X12

Wall or ceiling mounts

Wall mount

\* 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

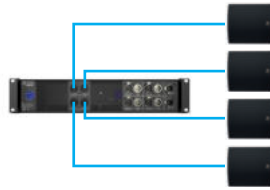
With X-US1215

## AMPLIFIED CONTROLLERS

### LA4X: amplified controller with DSP



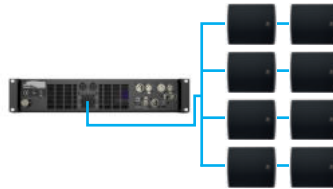
4 x 1000 W/8 ohms or 4 ohms  
4 inputs x 4 outputs architecture  
Max 4 enclosures per amplified controller



### LA8: amplified controller with DSP



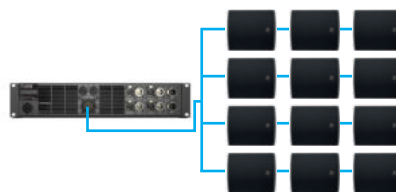
4 x 1800 W/4 ohms or 2.7 ohms  
2 inputs x 4 outputs architecture  
Max 8 enclosures per amplified controller



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



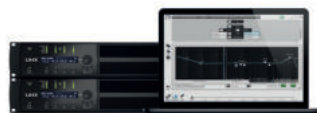
## SOFTWARE

### 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

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



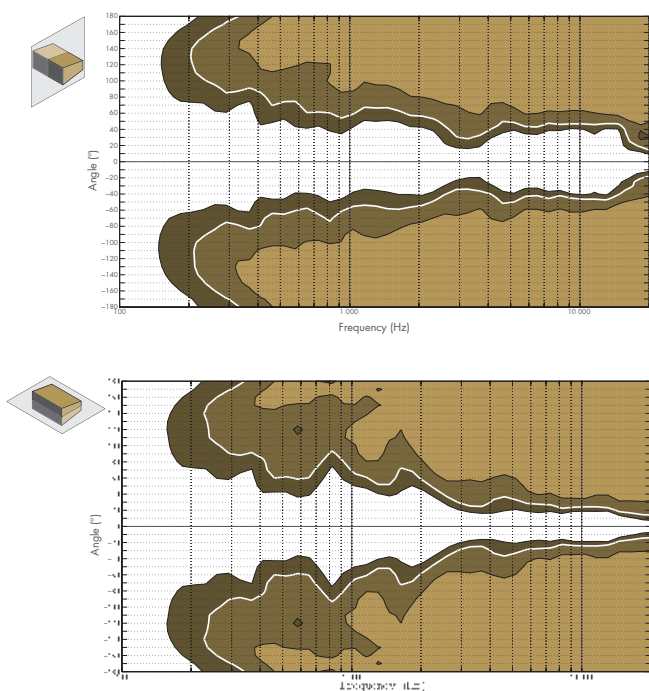
The X Series comprise four coaxial enclosures with distinct formats, bandwidth, SPL and coverage angles adapted to short throw applications in rental productions and fixed installations. With studio monitor sound quality, the X Series convey a natural and transparent sound. Coaxial technology allows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

<b>Description</b>	Passive 2-way coaxial enclosure, controlled and amplified by LA4X / LA8
<b>Usable bandwidth (-10 dB)</b>	59 Hz - 20 kHz ([X12] preset)
<b>Maximum SPL<sup>1</sup></b>	136 dB ([X12] preset)
<b>Nominal directivity</b>	Vertical: 90° Horizontal: 60°
<b>Monitoring angle<sup>2</sup></b>	35° without risers 55° with risers
<b>Transducers</b>	LF: 1 x 12" neodymium, bass-reflex, laminar vents HF: 1 x 3" neodymium compression driver, ellipsoid waveguide
<b>Nominal impedance</b>	8 Ω
<b>Connectors</b>	IN: SpeakON® LINK: SpeakON®
<b>Rigging and handling</b>	2 x handles DIN580-compatible M8 threaded insert 4 x M10 threaded inserts 2 x 35 mm pole sockets
<b>Weight (net)</b>	20 kg / 44.1 lb
<b>Cabinet</b>	First grade Baltic birch and beech plywood
<b>Finish</b>	Dark grey brown Pantone® 426C Pure white RAL® 9010 Custom RAL® code on special order
<b>IP</b>	IP43

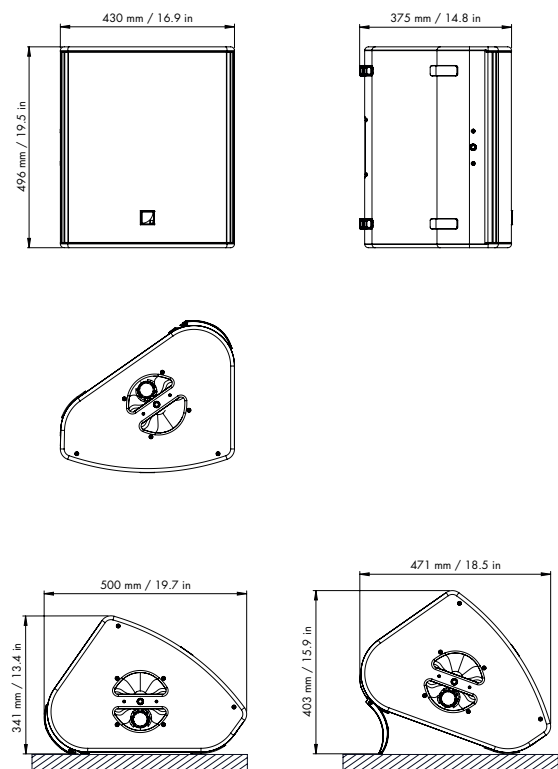
1- Peak level at 1 m under free field conditions using pink noise with crest factor 4 (preset specified in brackets).  
2- With regard to vertical.

## 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



# X8 LIVE MONITORING ENCLOSURE



## ELECTRO-ACOUSTICS



POINT SOURCE



COAXIAL



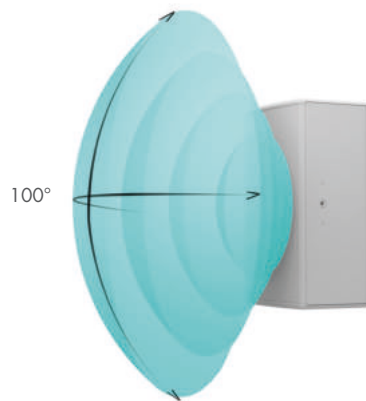
L-VENTS



The X8 is a coaxial system designed for live monitoring and short throw sound reinforcement applications with minimum visual impact. The X8 features a 1.5" diaphragm compression driver coaxially loaded by an 8" 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 X8 operates from 60 Hz to 20 kHz. The coaxial transducer arrangement and its partial horn produce a 100° axisymmetric directivity output 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



L-Vents laminar vented ports

## PHYSICAL

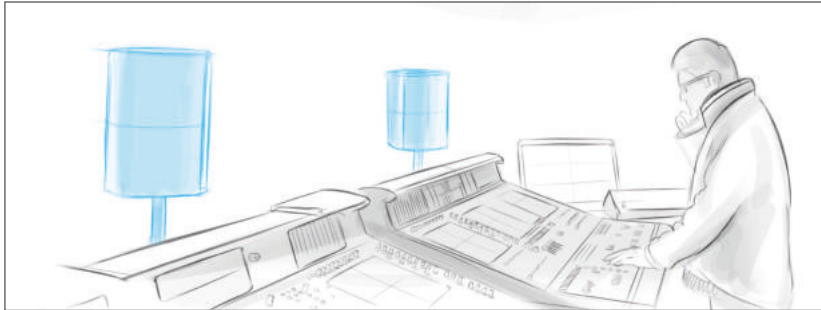
With a cabinet combining the properties of birch and beech plywood, X8 weighs 12 kg and its elegance makes for an easy integration in any situation. It provides an angle setting of 35° with regard to vertical for stage monitoring. An optional white or RAL color program means that it can melt into any architecture.



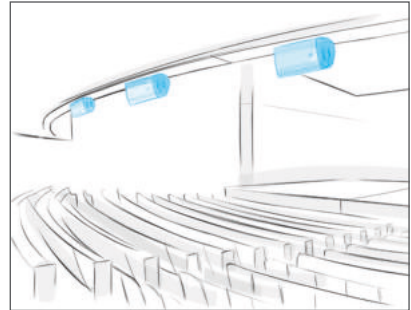
Sleek design

# APPLICATIONS AND BENEFITS

The X8 is an ideal live monitor capable of accurately translating the signature of large systems at FOH position or in control rooms. The X8 features a pristine L-Acoustics sonic signature, a high SPL capability and extended LF resources in a compact format. Its coaxial design generates a wide conical directivity pattern with excellent spatialization and no minimum listening distance. Sound designers can also take advantage of its sleek design for discreet fill applications requiring a high SPL.








FOH live monitoring



Under balcony fills

# RIGGING

The X8 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.

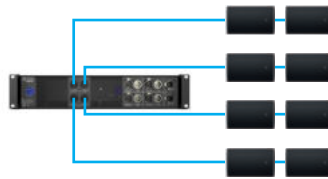
 <p><b>X-UL8</b> Long U-bracket for X8</p>  <p>Wall or ceiling mounts</p>	 <p><b>X-UTILT</b> U-bracket*</p>  <p>Wall mount</p>  <p>Wall mount</p>	<p><b>Pole mount socket</b></p> 
<p>* wall mount with tilt adjustment</p>		
 <p><b>X-US8</b> Short U-bracket for X8</p>  <p>Wall or ceiling mounts</p>	 <p><b>EMB i</b> Pole mount socket</p>  <p>With X-US8</p>	
<p><b>CLAMP250</b> Clamp certified for 250 kg</p>  <p>Flown with X-BAR</p>	 <p><b>X-BAR</b> Rigging bar</p>  <p>Vertical or horizontal - 10 angulations</p>	

## AMPLIFIED CONTROLLERS

### LA4X: amplified controller with DSP



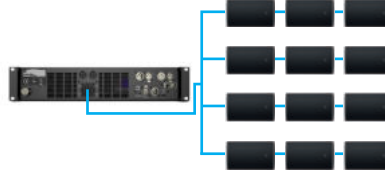
4 x 1000 W/8 ohms or 4 ohms  
4 inputs x 4 outputs architecture  
Max 8 enclosures per amplified controller



### LA8: amplified controller with DSP



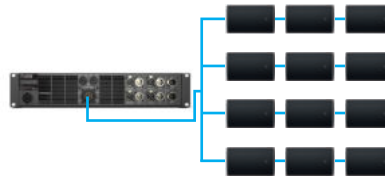
4 x 1800 W/4 ohms or 2.7 ohms  
2 inputs x 4 outputs architecture  
Max 12 enclosures per amplified controller



### 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 bandwidth 40 Hz - 20 kHz  
Contour reinforced by 8 dB at 100 Hz  
Ratio of one SB15m to one X8



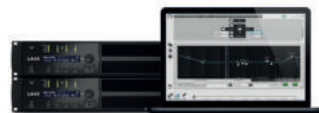
## SOFTWARE

### 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



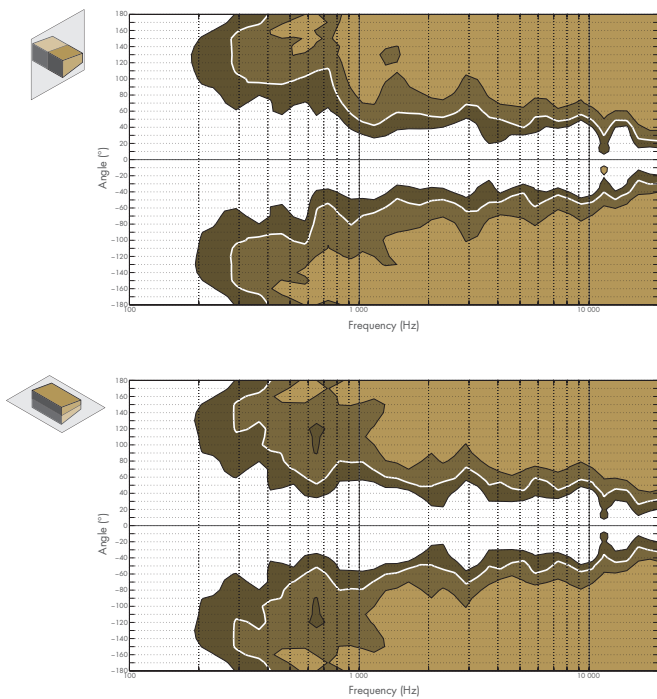
The X Series comprise four coaxial enclosures with distinct formats, bandwidth, SPL and coverage angles adapted to short throw applications in rental productions and fixed installations. With studio monitor sound quality, the X Series convey a natural and transparent sound. Coaxial technology allows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

<b>Description</b>	Passive 2-way coaxial enclosure, controlled and amplified by LA4X / LA8
<b>Usable bandwidth (-10 dB)</b>	60 Hz - 20 kHz ([X8] preset)
<b>Maximum SPL<sup>1</sup></b>	129 dB ([X8] preset)
<b>Nominal directivity</b>	Axisymmetric 100°
<b>Monitoring angle<sup>2</sup></b>	35°
<b>Transducers</b>	LF: 1 × 8", bass-reflex, laminar vents HF: 1 × 1.5" neodymium compression driver
<b>Nominal impedance</b>	8 Ω
<b>Connectors</b>	IN: SpeakON® LINK: SpeakON®
<b>Rigging and handling</b>	1 × handle DIN580-compatible M8 threaded insert 4 × M10 threaded inserts 35 mm pole socket
<b>Weight (net)</b>	12 kg / 26.5 lb
<b>Cabinet</b>	First grade Baltic birch and beech plywood
<b>Finish</b>	Dark grey brown Pantone® 426C Pure white RAL® 9010 Custom RAL® code on special order
<b>IP</b>	IP43

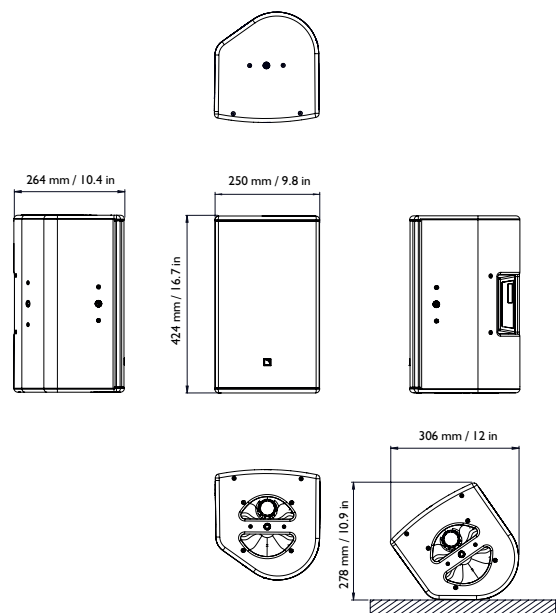
1- Peak level at 1 m under free field conditions using 12 dB crest factor pink noise with preset specified in brackets.  
2- With regard to vertical.

## BEAMWIDTH



► Dispersion angle diagram of a single X8 in vertical (top) and horizontal (bottom) plane using lines of equal sound pressure at -3 dB, -6 dB, -12 dB.

## DIMENSIONS



# 5XT ULTRA COMPACT ENCLOSURE



- Exceptional output-to-size ratio
- Wide directivity with consistent off-axis response
- Simple integration
- High density per amplifier channel



## ELECTRO-ACOUSTICS



5XT is an ultra-compact coaxial system designed for short throw sound reinforcement applications requiring minimum visual impact. 5XT features a 1" diaphragm compression driver coaxially loaded by a 5" low-mid frequency transducer mounted in a bass-reflex cabinet.

5XT operates from 95 Hz to 20 kHz. The coaxial transducer arrangement produces a 110° axisymmetric directivity output 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

5XT cabinet is made of first grade Baltic birch plywood to ensure maximum acoustical and mechanical integrity. It weighs 3.5 kg and its ultra-compact size makes for an easy integration in any situation.

An optional white or RAL architectural program allows 5XT to blend into the architecture of a venue.

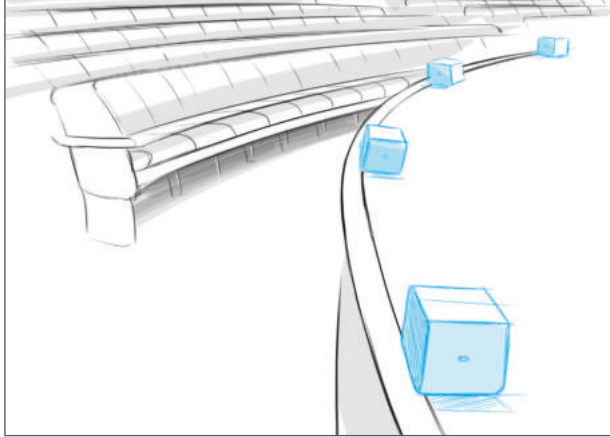
5XT features two speakON® connectors and two screw terminals to match the needs of mobile and installation applications. For outdoor operation, the optional 5XT-SEALPLATE connector sealing plate protects the screw terminals to reach an IP54 rating when the enclosure is mounted with a downtilt of 20° and more.



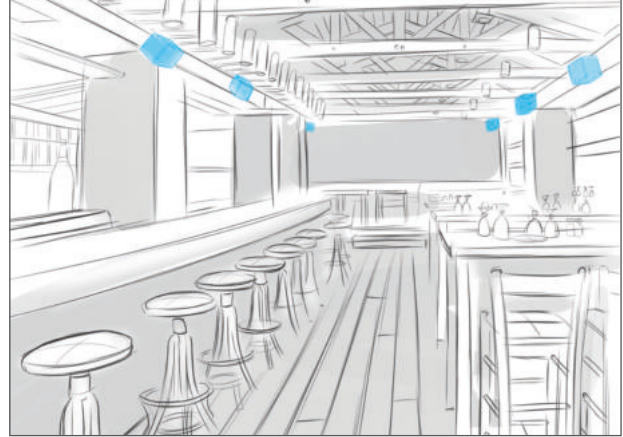
White and RAL architectural program

## APPLICATIONS AND BENEFITS

5XT is an ideal fill enclosure due to its capability to deliver a high SPL in the MF/HF region and complement larger systems. In distributed applications, sound designers can take advantage of its wide conical directivity pattern offering a smooth off-axis response, where most of the audience is located. Its ultra-compact format and optional white or RAL color program means that it can satisfy any architectural requirement.



Front-fills



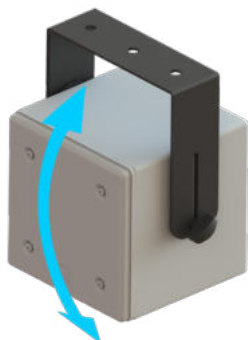
Distributed

## RIGGING

5XT can be pole-mounted using the 3/8" microphone-stand insert. Other deployments such as wall-mounted, ceiling-mounted or flown are quick and easy, with the ETR5 bracket that offers multiple set-up options and various orientations. An optional sealing connector plate ensures higher resistance to harsh atmospheric conditions.



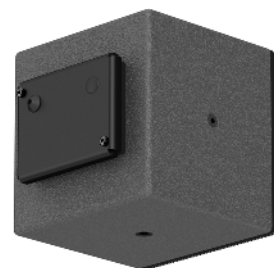
**ETR5**  
U-bracket for 5XT: wall-mount and ceiling mount




**3/8" insert: pole-mount**



**5XT-SEALPLATE**  
Connector sealing plate for 5XT



## 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
<b>Drive capability 5XT</b>			
Max. number of enclosures per channel	4	4	6
Max. number of enclosures per amplifier	16	16	24
Max SPL	121dB	121 dB	121 dB

## SUBWOOFERS

### SB15m: compact subwoofer (1x15")

System bandwidth: 40 Hz - 20 kHz  
Contour reinforced by 8 dB at 100 Hz  
Ratio of one SB15m to four 5XT



## 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



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

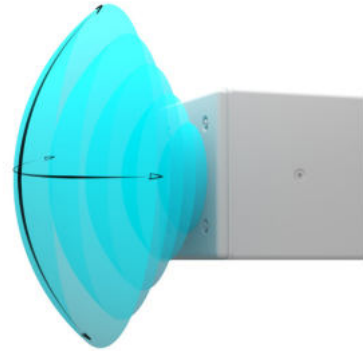
## About coaxial technology

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.

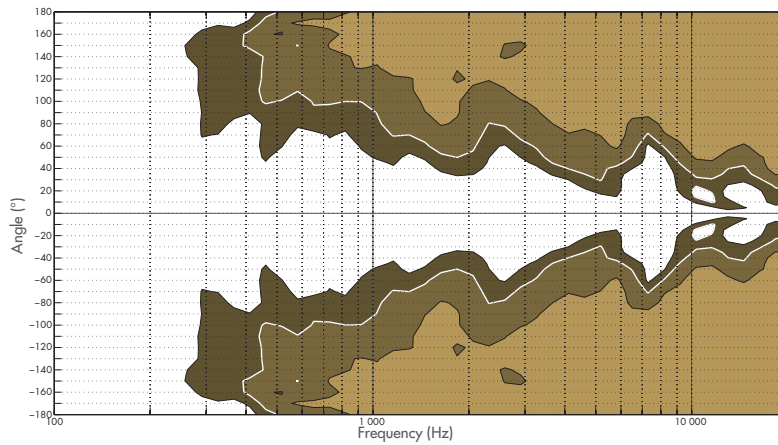
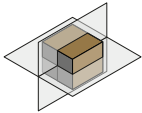
A coaxial design approach aligns LF and HF acoustic centers to achieve a single point source radiation with coherent wavefront at all frequencies, that is free of polar lobing effects, typical of traditional horn and woofer combinations. This results in natural, studio monitor sound quality, ideal for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



110°



# BEAMWIDTH



► Dispersion angle diagram of a single 5XT in vertical and horizontal plane using lines of equal sound pressure at -3 dB, -6 dB, -12 dB.

# 5XT SHORT THROW POINT SOURCE



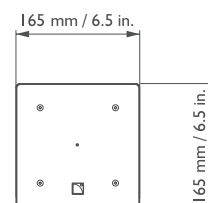
5XT is an ultra-compact coaxial system designed for short throw applications. Part of the X Series, 5XT is a 5" format loudspeaker that provides exceptional output and broad bandwidth for its size, ensuring premium sonic performance with minimum visual impact.

5XT 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, the lightweight 5XT is a perfectly cubic to ensure perfect identical sound reinforcement in any orientation.

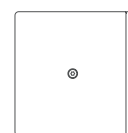
The combination of tight dimensions, flexible mounting options and RAL architectural programs make for easy integration in any situation. On its own, 5XT is an ideal complement to larger systems in venues that require easy and discreet integration such as theaters, houses of worship, corporate facilities and studios. Supplemented by a subwoofer, 5XT is also perfect as a distributed background music system in bars, restaurant, conference rooms, museums and other hospitality venues.

## SPECIFICATIONS

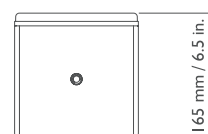
<b>Description</b>	2-way passive coaxial enclosure amplified by LA2Xi / LA4X / LA12X
<b>Usable bandwidth (-10 dB)</b>	95 Hz – 20 kHz ([5XT] preset)
<b>Maximum SPL<sup>1</sup></b>	121 dB ([5XT] preset)
<b>Nominal directivity (-6 dB)</b>	110° axisymmetric
<b>Transducers</b>	LF: 1 x 5" weather resistant HF: 1 x 1" compression driver
<b>Acoustical load</b>	LF: bass-reflex
<b>Nominal impedance</b>	16 Ω
<b>Connectors</b>	IN: 1 x 4-point speakON® LINK: 1 x 4-point speakON® IN/LINK: 2 x 2-point screw terminals
<b>Rigging and handling</b>	1 x 3/8" insert for microphone stand 2 x M6 inserts for ETR5 U-bracket
<b>Weight (net)</b>	3.5 kg / 7.7 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® 426 C Pure white RAL® 9010 Custom RAL® code on special order
<b>IP</b>	IP30 / IP54 <sup>2</sup>



Front



Side



Top

<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> - IP54 is achieved with the 5XT-SEALPLATE connector sealing plate and a down-tilt angle of 20° and more

# 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.

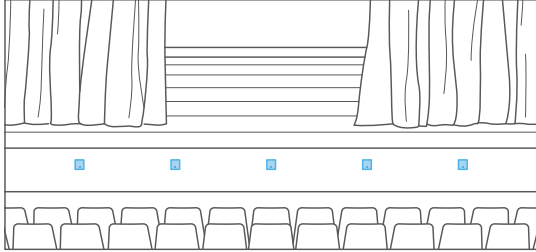
The weatherized X4i features two screw terminals that can be protected by a connector sealing plate with two cable glands, reaching an IP55 rating, making X4i ideal for outdoor operation.



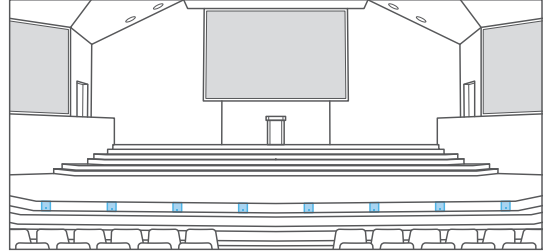
White and RAL architectural program

# APPLICATIONS

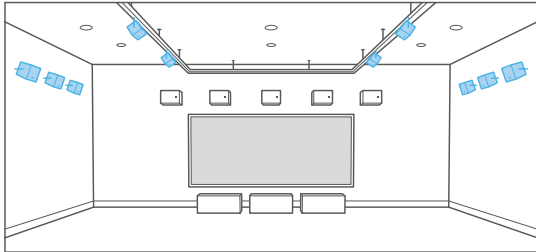
X4i is an ideal fill enclosure. It delivers exceptional output and broad bandwidth that perfectly complement larger systems. Supplemented by an L-Acoustics subwoofer, the weatherized X4i is also ideal as a background music system in venues that demand discretion and premium audio quality. The coaxial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



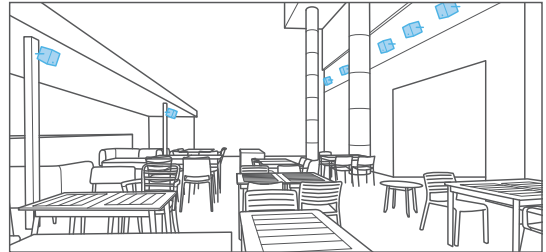
Front fills (Stage lips)



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

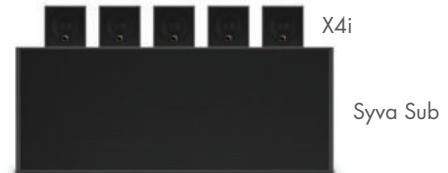
## AMPLIFIED CONTROLLERS

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
<b>Drive capability X4i</b>			
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 4 monitoring up to 253 units  
Multiple network topologies



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

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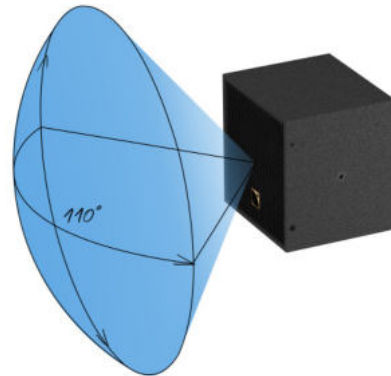
Coaxial technology allows for a compact design and constant tonal balance over distance, giving the X Series smooth coverage for off-axis audiences, no minimum listening distance and high feedback rejection.

## COVERAGE

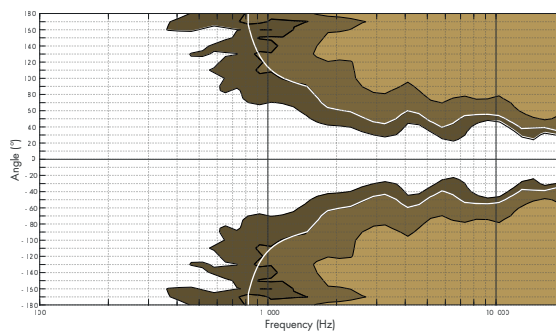
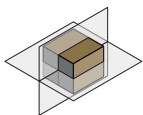
### About coaxial technology

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.

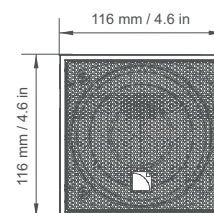
The combination of minimalist dimensions, flexible accessories, white and RAL architectural programs and an IP55 rating make for an easy integration in any situation. On its own, X4i is an ideal complement to larger systems in venues that require seamless integration in the smallest spaces such as theaters, 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

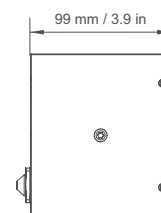
<b>Description</b>	2-way passive coaxial enclosure amplified by LA2Xi / LA4X / LA12X
<b>Usable bandwidth (-10 dB)</b>	120 Hz - 20 kHz ([X4])
<b>Maximum SPL<sup>1</sup></b>	116 dB ([X4])
<b>Nominal directivity (-6 dB)</b>	110° axisymmetric
<b>Transducers</b>	LF: 1 x 4" neodymium HF: 1 x 1.4" diaphragm 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>	2 M5 inserts on the side for X-U4i 2 M6 inserts on the back for rigging accessories
<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).

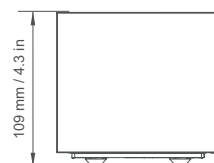
<sup>2</sup> - With connector sealing plate



Front



Side



Top