

A15i MEDIUM THROW LINE SOURCE FOR INSTALL



- 2 enclosures (Wide 30° and Focus 10°)
- 2 deployments (vertical and horizontal)
- 4 directivities with Panflex (70° / 90° L-R / 110°)
- EN 54-24 Certified
- Very high output (141 / 144 dB SPL max)
- Extended bandwidth (42 Hz / 41 Hz)
- Solid LF contour (> 10 dB)
- Install-specific rigging and accessories



CONSTANT CURVATURE
LINE SOURCE



DOSC



L-VENTIS



PANFLEX

ELECTRO-ACOUSTICS



Part of the A & Ai Series, A15i is a purpose-built medium throw line source family designed for permanent installation applications up to 45 m. The family combines A15i Focus and A15i Wide, passive 15" systems with 10° and 30° vertical coverage respectively, allowing the system to scale with audience geometry and project size. A15i enclosures can be flown or stacked in vertical or horizontal line source configurations, or deployed individually as configurable directivity point sources.

A15i combines Focus/Wide coverage with Panflex™ configurable directivity, offering 70°, 110° symmetrical or 90° asymmetrical horizontal coverage. Together with a comprehensive range of installation accessories, this provides the flexibility to adapt coverage and deployment to a wide variety of venue geometries and applications.

A single preset supports both A15i Focus and A15i Wide, regardless of Panflex™ configuration, simplifying deployment while delivering consistent performance. Performance can be further optimized using L-Acoustics software optimization tools.

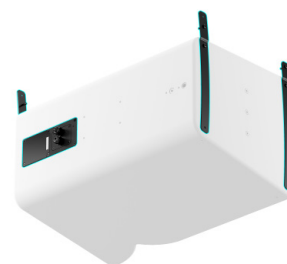
Combining concert-level performance, scalable deployment and configurable coverage, A15i is designed for demanding permanent installations. EN 54-24 certification further extends its application scope to installations requiring certified voice alarm loudspeakers.

PHYSICAL

The A15i Focus and Wide enclosures are constructed of premium grade Baltic beech and birch plywood to ensure maximum acoustical and mechanical integrity. Bent wood technology combined with a thickness optimization process greatly reduces weight and ensures a sturdy and acoustically optimized cabinetry.

A15i enclosures design have been refined for a more discreet integration. Products are connected using rigging plates and numerous accessories allow array deployment in any composition. For improved aesthetics or video projection mapping, an acoustically-transparent screen is available for A15i enclosures.

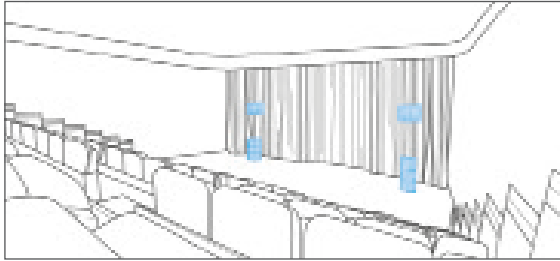
Each element features terminal connectors behind a connector sealing plate with gland nuts. The A15i elements have been weatherized to achieve an IP55 rating for outdoor operations and can be custom-colored using RAL references to melt into the venue decor.



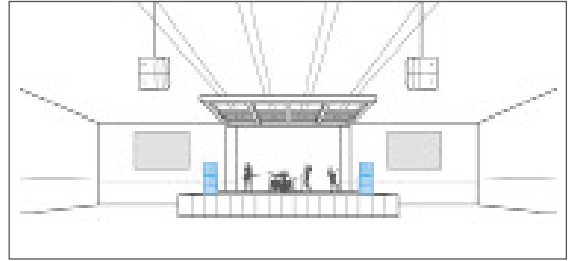
Discrete design with connecting plates
and terminal connectors

APPLICATIONS

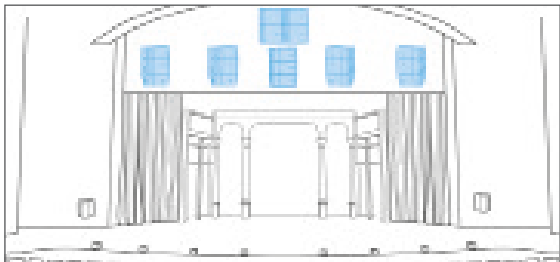
A15i is a multifunctional solution that can be deployed in a wide variety of ways to address installation applications. Ideal main system for small to medium-sized venues with a maximum of 45m of throw, A15i is also perfectly adequate as distributed system for stadia and arena.



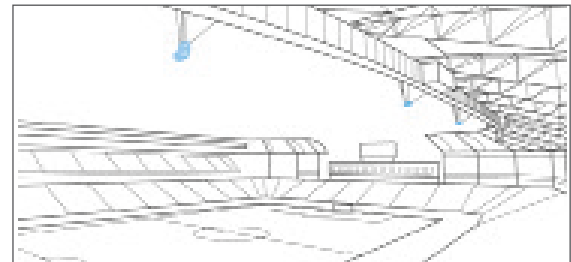
Black-box theater main system A15i - KS21i



Live club main system A15i - KS21i



Performing arts center LISA scene system A15i-KS21i



Stadium main distributed system A15i

RIGGING

The A15i products can be flown or stacked on their own or in combinations with KS21i. Dedicated rigging elements allow for vertical or horizontal line source deployment in large or small numbers - from the ceiling or off the wall. The A15i products can also be flown or stacked individually as a configurable directivity point source.



A15i-BUMP
Flying frame for A15i



A15i-LIFT
Rigging element for
horizontal deployment



A15i-TILT
Rigging element for A15i
above or under KS21i



A15KS-Ui
U-bracket for A15i



A15i-TILTBRACKET
Fastening bracket
with angles for A15i



A15i-RIGBAR
Rigging bar
and pullback for A15i



A15i-SCREEN
Acoustically transparent
screen for A15i



AMPLIFIED CONTROLLERS

LA2Xi and LA4X are the recommended amplified controllers with one A15i per output channel for optimal use of the Autosolver tools. LA12X can be used to power and control up to three A15i per output channel. This configuration simplifies deployment and cable management but reduces optimization capabilities.

Amplified controllers	LA2Xi	LA4X	LA12X	LA7.16/LA7.16i
Install / Touring	Install	Install / Touring	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	16 x 16
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	16 x 700 W 16 x 1300 W 16 x 1100 W
Height	1U	2U	2U	2U
Weight	4.40 kg / 9.70 lbs	11.3 kg / 24.9 lbs	14.5 kg / 32 lbs	15.8 kg / 34.8 lb (i: 14.5 kg / 32 lb)
Drive capability A15i				
Max. number of enclosures per channel	1	1	3	1
Max. number of enclosures per amplifier	4	4	12	10
Max SPL (Wide / Focus)	136 dB / 139 dB	141 dB / 144 dB	141 dB / 144 dB	141 dB / 144 dB

SUBWOOFERS

KS21i: install-specific 21" subwoofer (1 x 21")

A15i + KS21i bandwidth: 29 Hz – 20 kHz

Ratio 1 KS21 to 2 A15i: reinforced contour

Ratio 1KS21 to 1 A15i: reinforced contour + 2dB



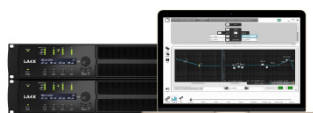
SOFTWARE

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

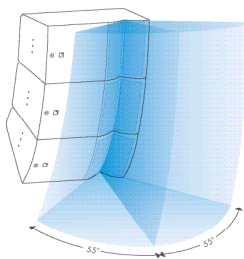


A Series install: Flexibility for medium throw installation applications

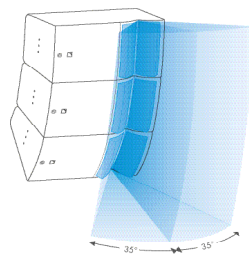
A Series Install delivers the performance of a large concert system in a compact and discreet solution that is simpler to design and offers a multitude of deployment options. Scaling to a variety of applications, A Series enclosures can be used individually as configurable directivity point sources or combined into vertical or horizontal line sources, delivering true line source behavior with predictable, controlled coverage. For applications requiring greater throw or tighter vertical control, two A10i Focus or A15i Focus enclosures can also be configured with a 5° inter-element angle, increasing SPL while narrowing vertical dispersion.

COVERAGE

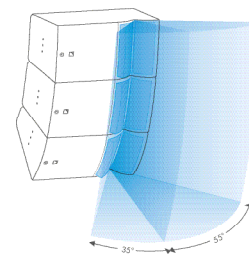
Panflex at 110°



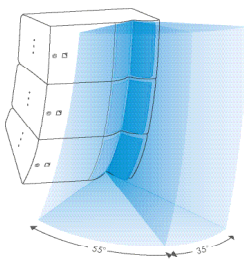
Panflex at 70°



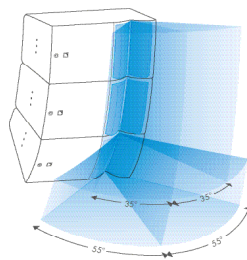
Panflex at 90° HF side



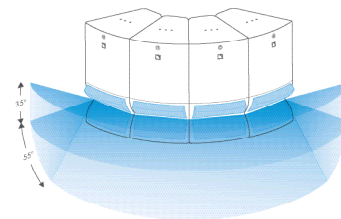
Panflex at 90° LF side



Mixed Panflex at 70°/110°

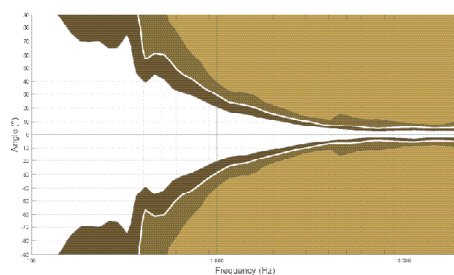


Panflex at 90° down

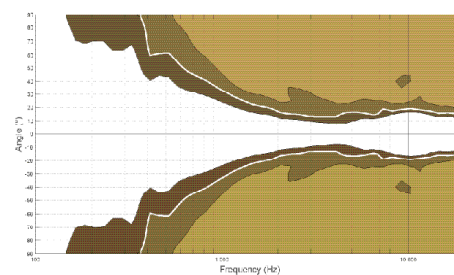


BEAMWIDTH

A15i Focus

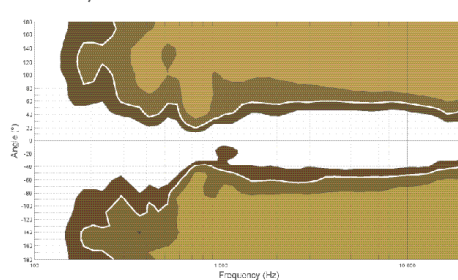


A15i Wide

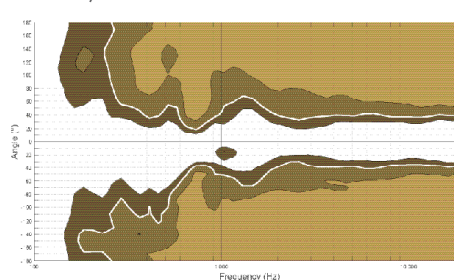


► Dispersion angle diagram of a single A15i Focus (left) and A15i Wide (right) in the vertical plane using lines of equal sound pressure at -3 dB, -6 dB, -12 dB.

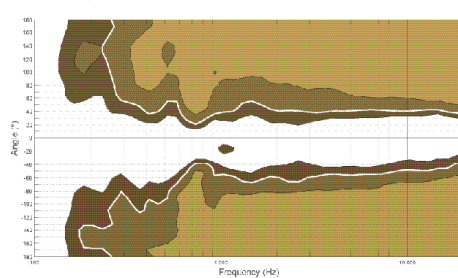
A15i Focus/Wide with Panflex at 110°



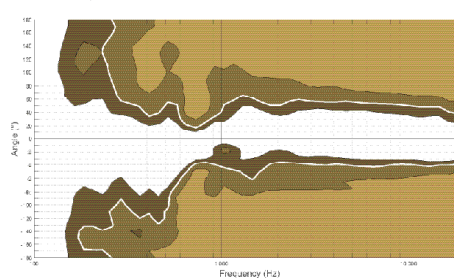
A15i Focus/Wide with Panflex at 70°



A15i Focus/Wide with Panflex at 90° LF side

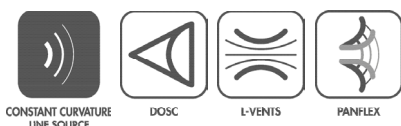


A15i Focus/Wide with Panflex at 90° HF side



► Dispersion angle diagrams of a single A15i in the horizontal plane for all Panflex settings using lines of equal sound pressure at -3 dB, -6 dB, -12 dB.

A15i FOCUS MEDIUM THROW LINE SOURCE



A15i Focus is the installation version of A15 Focus, purpose-built for medium throw installation applications. It delivers identical sonic performance to its touring counterpart in a discreet enclosure with streamlined mounting hardware for seamless integration.

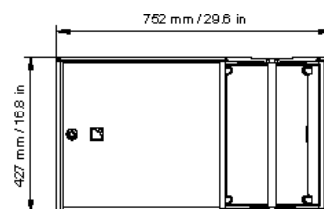
With tightly controlled 10° vertical coverage, A15i Focus delivers up to 144 dB and projection up to 45 m. Combined with A15i Wide, it forms scalable vertical line sources with true line source behavior, while Panflex™ configurable directivity adapts horizontal coverage to the audience geometry. Two A15i Focus enclosures can also be configured with a 5° inter-element angle for increased SPL, greater throw and tighter vertical control.

A15i Focus can also be deployed individually as a configurable directivity point source for fills or delays. Its low-frequency contour delivers the impact of a large concert system, while KS21i extends bandwidth down to 29 Hz.

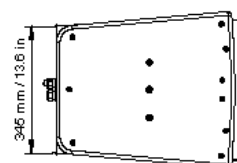
Compact, powerful and versatile, A15i Focus combines flexible coverage and deployment with a comprehensive range of installation accessories for theaters, houses of worship, clubs, convention centers and sports venues. EN 54-24 certification further extends its application scope to installations requiring certified voice alarm loudspeakers.

SPECIFICATIONS

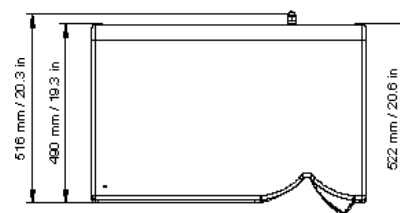
Description	2-way passive constant curvature WST 10°, amplified by LA2Xi ² / LA4X / LA8 / LA12X
Usable bandwidth (-10 dB)	41 Hz - 20 kHz ([A15])
Maximum SPL^{1,2}	144 dB ([A15])
Nominal directivity	Enclosure: 10° L-Fins: 70° / 110° symmetric or 90° asymmetric
Transducers	LF: 1 × 15" cone driver HF: 1 × 3" diaphragm neodymium compression driver
Acoustical load	LF: bass-reflex, L-Vents HF: DOSC waveguide, L-Fins
Nominal impedance	8 Ω
Connectors	4-point terminal block with push-in connection Connector sealing plate with cable gland
Rigging and handling	external rigging kits M6 inserts for rigging plates and accessories M8 inserts for A-U15i
Safety	1 DIN580-compatible M8 threaded insert
Weight (net)	32 kg / 71 lb
Cabinet	Premium grade Baltic beech and birch plywood
Front	Coated steel grill Acoustically neutral 3D fabric
Finish	Dark grey brown Pantone 426 C Pure white RAL 9010 Custom RAL code on special order
IP	IP55
Compliance	EN 54-24



Front



Side

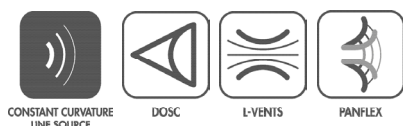


Top

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

² For Max SPL values using LA2Xi, refer to LA2Xi system specification sheet.

A15i WIDE MEDIUM THROW LINE SOURCE



A15i Wide is the installation version of A15 Wide, purpose-built for medium throw installation applications. It delivers identical sonic performance to its touring counterpart in a discreet enclosure with streamlined mounting hardware for seamless integration.

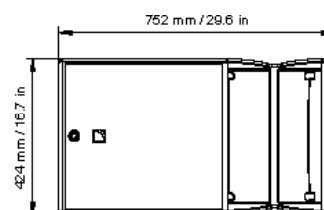
With 30° vertical coverage, A15i Wide enables compact arrays to deliver expansive audience coverage while preserving sightlines. Combined with A15i Focus, it forms scalable vertical line sources with true line source behavior, while Panflex™ configurable directivity adapts horizontal coverage to the audience geometry.

A15i Wide can also be deployed individually as a configurable directivity point source for mains, fills or delays, or deployed radially for broad horizontal coverage as a main system or center cluster. Its low-frequency contour delivers the impact of a large concert system, while KS21i extends bandwidth down to 29 Hz.

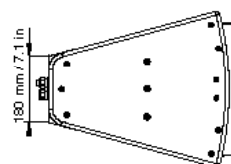
Compact, powerful and versatile, A15i Wide combines scalable deployment and configurable coverage with a comprehensive range of installation accessories for theaters, houses of worship, clubs, convention centers and sports venues. EN 54-24 certification further extends its application scope to installations requiring certified voice alarm loudspeakers.

SPECIFICATIONS

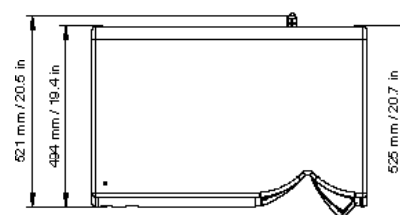
Description	2-way passive constant curvature WST 30°, amplified by LA2Xi ² / LA4X / LA8 / LA12X
Usable bandwidth (-10 dB)	42 Hz - 20 kHz ([A15])
Maximum SPL^{1,2}	141 dB ([A15])
Nominal directivity	Enclosure: 30° L-Fins: 70° / 110° symmetric or 90° asymmetric
Transducers	LF: 1 x 15" cone driver HF: 1 x 3" diaphragm neodymium compression driver
Acoustical load	LF: bass-reflex, L-Vents HF: DOSC waveguide, L-Fins
Nominal impedance	8 Ω
Connectors	4-point terminal block with push-in connection Connector sealing plate with cable gland
Rigging and handling	external rigging kits M6 inserts for rigging plates and accessories M8 inserts for A-U15i
Safety	1 DIN580-compatible M8 threaded insert
Weight (net)	29 kg / 64 lb
Cabinet	Premium grade Baltic beech and birch plywood
Front	Coated steel grill Acoustically neutral 3D fabric
Finish	Dark grey brown Pantone 426 C Pure white RAL 9010 Custom RAL code on special order
IP	IP55
Certification	EN 54-24



Front



Side



Top

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

² For Max SPL values using LA2Xi, refer to LA2Xi system specification sheet.

KS21i SUBWOOFER

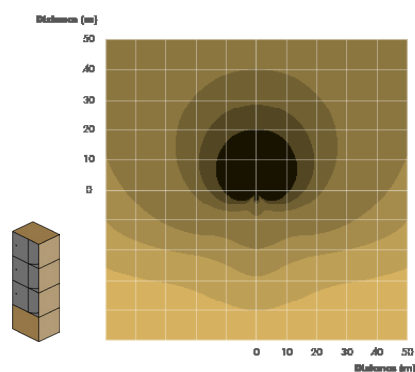
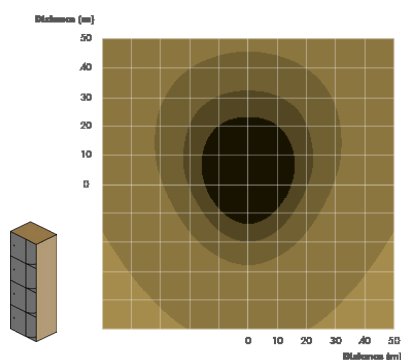


Description	High power compact subwoofer: 1 x 21" amplified by LA2Xi ² / LA4X / LA8 / LA12X
Usable bandwidth (-10 dB)	31 Hz - 100 Hz ([KS21_100])
Maximum SPL^{1,2}	138 dB ([KS21_100])
Nominal directivity	Standard or cardioid configurations
Transducers	1 x 21" neodymium cone driver
Acoustical load	Bass-reflex, L-Vents
Nominal impedance	8 Ω
Connectors	4-point terminal block with push-in connection Connector sealing plate with cable gland
Rigging and handling	external rigging kits M6 inserts for rigging plates and accessories M8 inserts for A-U15i
Safety	1 DIN580-compatible M8 threaded insert
Weight (net)	46 kg / 101 lb
Cabinet	Premium grade Baltic beech and birch plywood
Front	Coated steel grill Acoustically neutral 3D fabric
Rigging components	High grade steel with anti-corrosion coating
Finish	Dark grey brown Pantone 426 C Pure white RAL 9010 Custom RAL code on special order

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

² For Max SPL values using LA2Xi, refer to LA2Xi system specification sheet.

ISOCONTOUR



► SPL mapping of a block of four KS21i in standard (left) and cardioid (right) arrangements, using surfaces of equal sound pressure with three dB step colored scale.

DIMENSIONS

