

PRELIMINARY

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°)
- Sleek and versatile design
- 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-VENTS



PANFLEX

ELECTRO-ACOUSTICS



Part of the A Series, A15i is a medium throw product line designed for installation applications up to 45 m. The highly multifunctional family includes A15i Focus and A15i Wide, passive 15" systems with distinct coverage patterns. A15i products can be flown or stacked in combinations to form vertical or horizontal line sources or used individually as configurable directivity point sources.

A15i can adapt to virtually any audience geometry with two enclosure coverage options (10° or 30°), Panflex for user adjustable waveguide directivity (70°, 110° or 90° asymmetrical) and a range of accessories for vertical or horizontal deployment.

A15i deployment requires a single preset that is optimized to provide amazing plug-and-play performance for both A15i models regardless of Panflex configuration. Performance can be further enhanced with L-Acoustics software optimization tools.

A15i provides the low frequency contour of a large concert system. The dedicated KS21i subwoofer can be groundstacked or flown with A15i products to reinforce contour and extend bandwidth to 29 Hz.

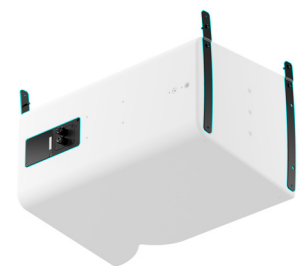
The discreet yet powerful A15i is an ideal solution for integration applications that require aesthetics and concert level performance for venues large and small.

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.

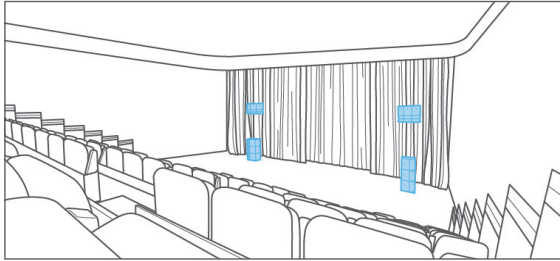
Each element features terminal connectors behind a connector sealing plate with gland nuts. The A15i elements have been weatherized to achieve an IP55 rating for outdoor operations and can be custom-colored using RAL references to melt into the venue decor.



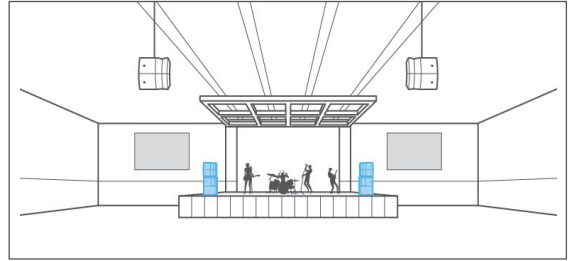
Discrete design with connecting plates
and terminal connectors

APPLICATIONS

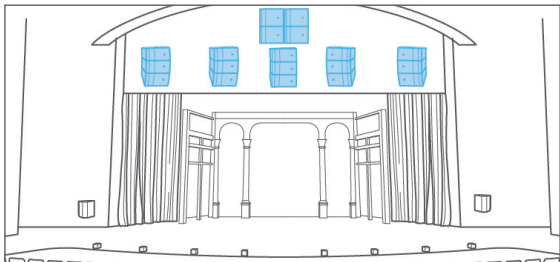
A15i is a multifunctional solution that can be deployed in a wide variety of ways to address installation applications. Ideal main system for small to medium-sized venues with a maximum of 45m of throw, A15i is also perfectly adequate as distributed system for stadia and arena.



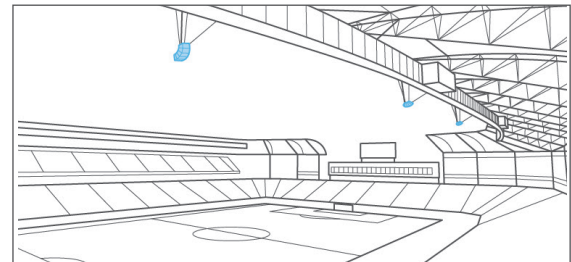
Black-box theater main system A15i - KS21i



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



A-U15i
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
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 A15i			
Max. number of enclosures per channel	1	1	3
Max. number of enclosures per amplifier	4	4	12
Max SPL (Wide / Focus)	136 dB / 139 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



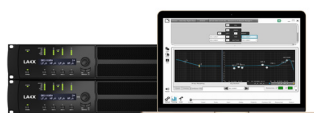
SOFTWARE

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

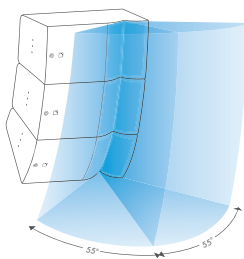
A Series install: Flexibility for medium throw installation applications



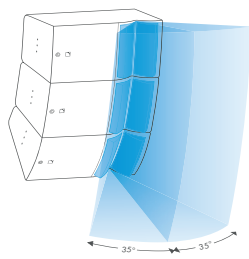
The multifunctional A series install comprises four medium throw loudspeakers and a dedicated subwoofer with flexible coverage options, adaptable directivity and up to 45 meters of throw. The A series install delivers the performance of a large concert system in a compact and discrete solution that is simpler to design and offer a multitude of deployment options. Scaling to a variety of applications, A series enclosures can be used individually as a point source or combined to form vertical or horizontal line sources.

COVERAGE

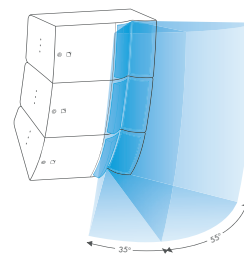
Panflex at 110°



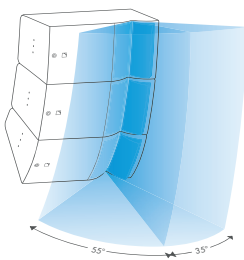
Panflex at 70°



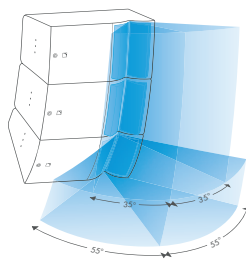
Panflex at 90° HF side



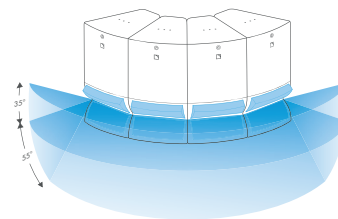
Panflex at 90° LF side



Mixed Panflex at 70°/110°

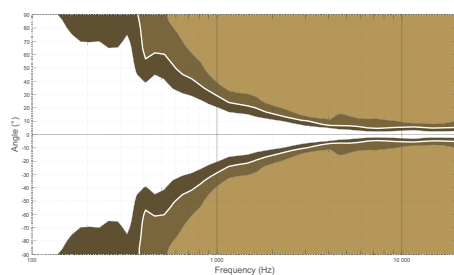


Panflex at 90° down

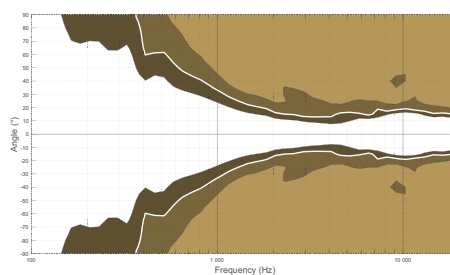


BEAMWIDTH

A15i Focus

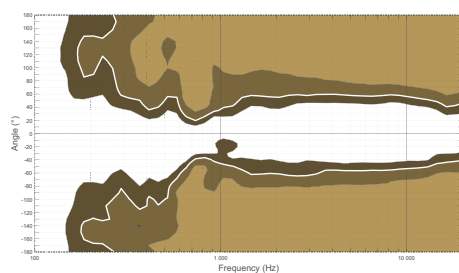


A15i Wide

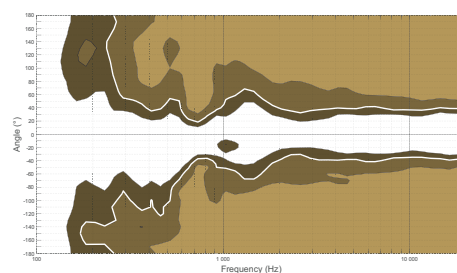


► Dispersion angle diagram of a single A15i Focus (left) and A15i Wide (right) in the vertical plane using lines of equal sound pressure at -3 dB, -6 dB, -12 dB.

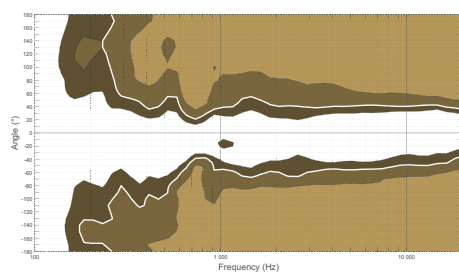
A15i Focus/Wide with Panflex at 110°



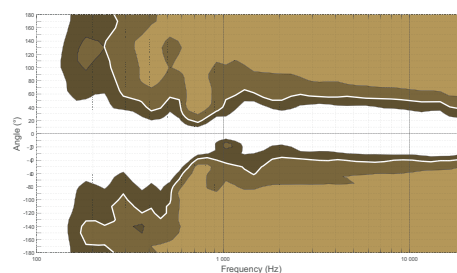
A15i Focus/Wide with Panflex at 70°



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.

PRELIMINARY

A15i FOCUS MEDIUM THROW LINE SOURCE



CONSTANT CURVATURE
LINE SOURCE



DOSC



L-VENTS



PANFLEX

A15i Focus is the installation version of the A15 Focus, designed for medium throw installation applications. A15i Focus shares identical sonic performance with its touring counterpart but features a sleeker design and streamlined mounting hardware for greater integration.

With a tightly-controlled 10° enclosure coverage, the passive A15i Focus boasts an impressive output of 144 dB and ensures projection up to 45 m. Panflex allows users to adapt directivity to the audience geometry and ensures exceptional frequency response stability.

Combinations of A15i Focus and A15i Wide can be flown or stacked to form a vertical line source. A15i Focus can also be used individually as a configurable directivity point source for front fill or delay where narrow coverage is required.

A15i Focus provides the low frequency contour of a large concert system and KS21i subwoofer further reinforces the contour and extends the bandwidth to 29 Hz.

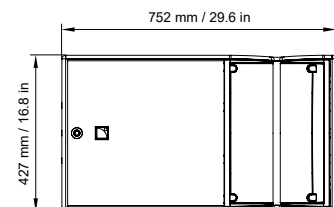
A15i Focus is a discreet, powerful and versatile solution with a wide range of install-specific accessories to facilitate any integration scenario in large theaters, houses of worship, clubs, convention centers and sports venues.

SPECIFICATIONS

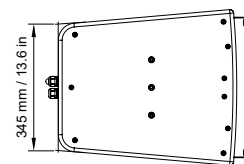
Description	2-way passive constant curvature WST 10°, amplified by LA2Xi ² / LA4X / LA8 / LA12X
Usable bandwidth (-10 dB)	41 Hz - 20 kHz ([A15])
Maximum SPL¹	144 dB ([A15])
Nominal directivity	Enclosure: 10° L-Fins: 70° / 110° symmetric or 90° asymmetric
Transducers	LF: 1 × 15" cone driver HF: 1 × 3" 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

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

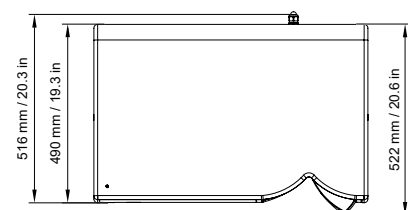
² For Max SPL values using LA2Xi, refer to LA2Xi system specification sheet.



Front



Side



Top

PRELIMINARY

A15i WIDE MEDIUM THROW LINE SOURCE



CONSTANT CURVATURE
LINE SOURCE



DOSC



L-VENTS



PANFLEX

A15i Wide is the installation version of the A15i Wide, designed for medium throw installation applications. A15i Wide shares identical sonic performance with its touring counterpart but features a sleeker design and streamlined mounting hardware for greater integration.

The 30° enclosure of A15i Wide enables a compact array to provide expansive coverage while preserving sightlines. Panflex allows users to adapt directivity to the audience geometry and ensures exceptional frequency response stability.

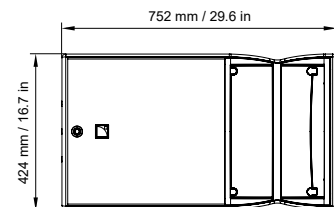
Combinations of A15i Wide and A15i Focus can be flown or stacked to form a vertical line source. A15i Wide can also be used individually as a configurable directivity point source for various applications from mains to fills and delays.

A15i Wide deploys radially to offer broad horizontal coverage, particularly suited as mains or center cluster. A15i Wide provides the low frequency contour of a large concert system and KS21i subwoofer further reinforces the contour and extends the bandwidth to 29 Hz.

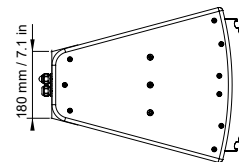
A15i Wide is a discreet, powerful and versatile solution with a wide range of install-specific accessories to facilitate any integration scenario in large theaters, houses of worship, clubs, convention centers and sports venues.

SPECIFICATIONS

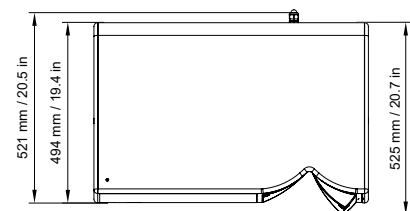
Description	2-way passive constant curvature WST 30°, amplified by LA2Xi ² / LA4X / LA8 / LA12X
Usable bandwidth (-10 dB)	42 Hz - 20 kHz ([A15])
Maximum SPL¹	141 dB ([A15])
Nominal directivity	Enclosure: 30° L-Fins: 70° / 110° symmetric or 90° asymmetric
Transducers	LF: 1 x 15" cone driver HF: 1 x 3" 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



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.

PRELIMINARY

KS21i SUBWOOFER

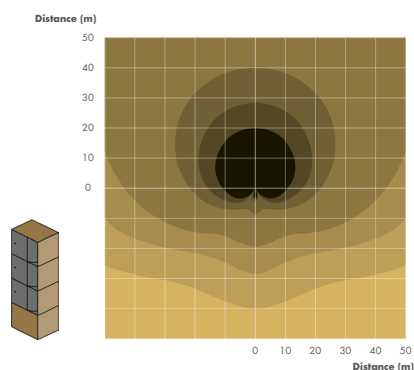
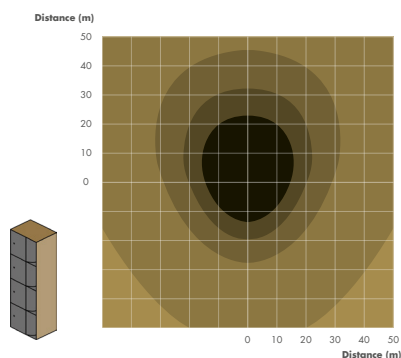


Description	High power compact subwoofer: 1 x 21" amplified by LA2Xi ² / LA4X / LA8 / LA12X
Low frequency limit (-10 dB)	29 Hz ([KS21_60])
Maximum SPL¹	138 dB ([KS21_100])
Nominal directivity	Standard or cardioid configurations
Transducers	1 x 21" neodymium cone driver
Acoustical load	Bass-reflex, L-Vents
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
IP	IP55

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

