**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 (67 Hz / 66 Hz)
- Solid LF contour (>10 dB)
- Install-specific rigging and accessories

**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 10” 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.
**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.

**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.
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.

<table>
<thead>
<tr>
<th>Amplified controllers</th>
<th>LA2Xi</th>
<th>LA4X</th>
<th>LA12X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front and back panel</td>
<td><img src="image1" alt="Image" /></td>
<td><img src="image2" alt="Image" /></td>
<td><img src="image3" alt="Image" /></td>
</tr>
<tr>
<td>Install / Touring</td>
<td>Install</td>
<td>Install / Touring</td>
<td>Install / Touring</td>
</tr>
<tr>
<td>In x Out</td>
<td>4 x 4 / 4 x 3 / 4 x 2 / 4 x 1</td>
<td>4 x 4</td>
<td>4 x 4</td>
</tr>
<tr>
<td>Output power (W RMS)</td>
<td>4 x 200 W @ 16 ohms</td>
<td>4 x 1000 W @ 16 ohms</td>
<td>4 x 1400 W @ 16 ohms</td>
</tr>
<tr>
<td></td>
<td>4 x 360 W @ 8 ohms</td>
<td>4 x 1000 W @ 8 ohms</td>
<td>4 x 2600 W @ 8 ohms</td>
</tr>
<tr>
<td></td>
<td>4 x 640 W @ 4 ohms</td>
<td>4 x 640 W @ 4 ohms</td>
<td>4 x 3300 W @ 4 ohms</td>
</tr>
<tr>
<td>Height</td>
<td>1U</td>
<td>2U</td>
<td>2U</td>
</tr>
<tr>
<td>Weight</td>
<td>4.40 kg / 9.70 lbs</td>
<td>11.3 kg / 24.9 lbs</td>
<td>14.5 kg / 32 lbs</td>
</tr>
</tbody>
</table>

**Drive capability A15i**

- Max. number of enclosures per channel: 1
- Max. number of enclosures per amplifier: 4
- Max SPL (Wide / Focus): 136 dB / 139 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 1 KS21 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.
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.

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 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

<table>
<thead>
<tr>
<th>Description</th>
<th>2-way passive constant curvature WST 10°, amplified by LA2Xi² / LA4X / LA8 / LA12X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usable bandwidth (-10 dB)</td>
<td>41 Hz - 20 kHz ([A15])</td>
</tr>
<tr>
<td>Maximum SPL¹</td>
<td>144 dB ([A15])</td>
</tr>
<tr>
<td>Nominal directivity</td>
<td>Enclosure: 10° L-Fins: 70° / 110° symmetric or 90° asymmetric</td>
</tr>
<tr>
<td>Transducers</td>
<td>LF: 1 x 15” cone driver HF: 1 x 3” diaphragm neodymium compression driver</td>
</tr>
<tr>
<td>Acoustical load</td>
<td>LF: bass-reflex, L-Vents HF: DOSC waveguide, L-Fins</td>
</tr>
<tr>
<td>Nominal impedance</td>
<td>8 Ω</td>
</tr>
<tr>
<td>Connectors</td>
<td>4-point terminal block with push-in connection Connector sealing plate with cable gland</td>
</tr>
<tr>
<td>Rigging and handling</td>
<td>external rigging kits M6 inserts for rigging plates and accessories M8 inserts for A15i</td>
</tr>
<tr>
<td>Safety</td>
<td>1 DIN580-compatible M8 threaded insert</td>
</tr>
<tr>
<td>Weight (net)</td>
<td>33 kg / 73 lb</td>
</tr>
<tr>
<td>Cabinet</td>
<td>Premium grade Baltic beech and birch plywood</td>
</tr>
<tr>
<td>Front</td>
<td>Coated steel grill Acoustically neutral 3D fabric</td>
</tr>
<tr>
<td>Finish</td>
<td>Dark grey brown Pantone 426 C Pure white RAL 9010 Custom RAL code on special order</td>
</tr>
<tr>
<td>IP</td>
<td>IP55</td>
</tr>
</tbody>
</table>

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 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**

<table>
<thead>
<tr>
<th>Description</th>
<th>2-way passive constant curvature WST 30°, amplified by LA2Xi / LA4X / LB8 / LA12X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usable bandwidth (-10 dB)</td>
<td>42 Hz - 20 kHz ([A15])</td>
</tr>
<tr>
<td>Maximum SPL¹</td>
<td>141 dB ([A15])</td>
</tr>
</tbody>
</table>
| Nominal directivity | Enclosure: 30°
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 A15iSi |
| 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 |

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 × 21'' amplified by LA2Xi / LA4X / LA8 / LA12X

Usable bandwidth (-10 dB)
31 Hz - 100 Hz (KS21_100)

Maximum SPL
138 dB (KS21_100)

Nominal directivity
Standard or cardioid configurations

Transducers
1 × 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)
49 kg / 108 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.

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