A10i 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
- High output (137 / 140 dB SPL max)
- Optimized bandwidth (67 Hz / 66 Hz)
- Compact and lightweight (20 / 22 kg)
- Install-specific rigging and accessories

ELECTRO-AcouSTICS

Part of the A Series, A10i is a medium throw product line designed for installation applications up to 35 m. The highly multifunctional family includes A10i Focus and A10i Wide, passive 10" systems with distinct coverage patterns. A10i products can be flown or stacked in combinations to form vertical or horizontal line sources or used individually as configurable directivity point sources.

A10i 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.

A10i deployment requires a single preset that is optimized to provide amazing plug-and-play performance for both A10i models regardless of Panflex configuration. Performance can be further enhanced L-Acoustics software optimization tools.

On its own A10i provides ideal bandwidth for vocal reinforcement or music with light LF requirements and produces an exceptional SPL-to-size ratio to complement a larger system as fills. The acoustically compatible subwoofer KS21i can be associated with A10i to extend the frequency bandwidth and reinforce the low-frequency contour.

The compact and lightweight A10i is an ideal solution as mains or fill systems for integration applications that require intelligibility and aesthetics.

PHYSICAL

The A10i 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.

A10i 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 A10i enclosures.

Each element features terminal connectors behind a connector sealing plate with gland nuts. The A10i 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.
A10i is a multifunctional solution that can be deployed in a wide variety of ways to address installation applications. A10i can stand on its own for small to medium sized events or complement a long throw system on larger applications.

The A10i 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 A10i 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 A10i per output channel for optimal use of the Autosolver tools. LA12X can be used to power and control up to three A10i 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><strong>Front and back panel</strong></td>
<td><img src="image1.png" alt="LA2Xi Panel" /></td>
<td><img src="image2.png" alt="LA4X Panel" /></td>
<td><img src="image3.png" alt="LA12X Panel" /></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) @ 16 ohms</td>
<td>4 x 200 W</td>
<td>4 x 1000 W</td>
<td>4 x 1400 W</td>
</tr>
<tr>
<td>@ 8 ohms</td>
<td>4 x 360 W</td>
<td>4 x 1000 W</td>
<td>4 x 2600 W</td>
</tr>
<tr>
<td>@ 4 ohms</td>
<td>4 x 640 W</td>
<td>4 x 1000 W</td>
<td>4 x 3300 W</td>
</tr>
<tr>
<td>@ 2.7 ohms</td>
<td></td>
<td></td>
<td></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>
<tr>
<td><strong>Drive capability A10i</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. number of enclosures per channel</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Max. number of enclosures per amplifier</td>
<td>8</td>
<td>8</td>
<td>12</td>
</tr>
<tr>
<td>Max SPL [Wide / Focus]</td>
<td>133 dB / 136 dB</td>
<td>137 dB / 140 dB</td>
<td>137 dB / 140 dB</td>
</tr>
</tbody>
</table>

SUBWOOFERS

**KS21i:** install-specific 21” subwoofer (1 x 21”)

A10i + KS21i bandwidth: 31 Hz – 20 kHz
Ratio 1 KS21 to 2 A10i: reinforced contour
Ratio 1 KS21 to 1 A10i: 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

A10i Focus  A10i Wide

 Dispersion angle diagram of a single A10i Focus (left) and A10i Wide (right) in the vertical plane using lines of equal sound pressure at -3 dB, -6 dB, -12 dB.

A10i Focus/Wide with Panflex at 110°  A10i Focus/Wide with Panflex at 70°
A10i Focus/Wide with Panflex at 90° LF side  A10i Focus/Wide with Panflex at 90° HF side

 Dispersion angle diagrams of a single A10i in the horizontal plane for all Panflex settings using lines of equal sound pressure at -3 dB, -6 dB, -12 dB.
A10i Focus is the installation version of the A10 Focus, designed for medium throw installation applications. A10i 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 A10i Focus boasts an impressive output of 140 dB and ensures projection up to 35 m. Panflex allows users to adapt directivity to the audience geometry and ensures exceptional frequency response stability.

Combinations of A10i Focus and A10i Wide can be flown or stacked to form a vertical line source. A10i Focus can also be used individually as a configurable directivity point source for front fill or delay applications where narrow coverage is required.

On its own, A10i Focus line source provides exceptional performance in the vocal range. The companion subwoofer KS21i further reinforces the contour and extends bandwidth to 31 Hz for demanding applications.

A10i Focus is a discreet, compact and versatile solution with a wide range of install-specific accessories to facilitate any integration scenario in theaters, houses of worship, clubs, educational facilities 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>66 Hz - 20 kHz ([A10])</td>
</tr>
<tr>
<td>Maximum SPL¹</td>
<td>140 dB ([A10])</td>
</tr>
</tbody>
</table>
| Nominal directivity              | Enclosure: 10°
|                                 | L-Fins: 70° / 110° symmetric or 90° asymmetric                                   |
| Transducers                      | LF: 1 × 10'' cone driver                                                        |
|                                 | HF: 1 × 2.5'' diaphragm neodymium compression driver                             |
| Acoustical load                  | IF: bass-reflex, L-Vents                                                         |
|                                 | HF: DOSC waveguide, L-Fins                                                       |
| Nominal impedance                | 8 Ω                                                                              |
| Connectors                       | 4-point terminal block with push-in connection                                    |
| Rigging and handling             | Connector sealing plate with cable gland                                        |
| Safety                           | 1 DIN580-compatible M8 threaded insert                                          |
| Weight (net)                     | 19 kg / 42 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.
A10i WIDE MEDIUM THROW LINE SOURCE

A10i Wide is the installation version of the A10i Wide, designed for medium throw installation applications. A10i 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 A10i 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 A10i Wide and A10i Focus can be flown or stacked to form a vertical line source. A10i Wide can also be used individually as a configurable directivity point source for various applications from mains to fills and delays.

A10i Wide deploys radially to offer broad horizontal coverage, particularly suited as mains or center cluster. On its own, A10i provides exceptional performance in the vocal range. The companion subwoofer KS21i further reinforces the contour and extends bandwidth to 31 Hz for demanding applications.

A10i Wide is a discreet, compact and versatile solution with a wide range of install-specific accessories to facilitate any integration scenario in theaters, houses of worship, clubs, educational facilities and sports venues.

SPECIFICATIONS

Description: 2-way passive constant curvature WST 30°, amplified by LA2Xi / LA4X / LA8 / LA12X

Usable bandwidth (-10 dB): 67 Hz - 20 kHz ([A10i])

Maximum SPL1: 137 dB ([A10i])

Nominal directivity:
- Enclosure: 30°
- L-Fins: 70° / 110° symmetric or 90° asymmetric

Transducers:
- LF: 1 × 10'' cone driver
- HF: 1 × 2.5'' 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 A1U10i

Safety:
- 1 DIN580-compatible M8 threaded insert

Weight (net): 18 kg / 40 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

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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 / 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 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)**
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

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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.