Product Overview

Built for zone-fill coverage or high-SPL foreground music, Bose ArenaMatch Utility loudspeakers offer similar tonal balance to ArenaMatch array modules but in compact designs. They have the same EMB2S compression driver as ArenaMatch arrays, ensuring consistent sound, and the same IP55 weather rating. Deploy them for zone-fill coverage in sports stadiums, arenas, outdoor entertainment centers, and more. Or use them to provide intelligible, high-level sound in any outdoor area — from niche venues such as breweries and fairgrounds to larger settings like resorts and outdoor shopping centers.

The AMU108 is a small-format ArenaMatch Utility model for outdoor applications that require excellent audio from a compact loudspeaker. It provides wide, even coverage with a 90° x 60° constant-directivity high-frequency horn, 80 Hz - 18 kHz frequency response, 121 dB peak SPL, and supports the lowest vocal ranges with a Bose LF8 8-inch woofer.

Key Features

- **Deploy as zone-fill to support ArenaMatch arrays systems**, delivering powerful, intelligible sound and ensuring consistent tonal balance with EMB2S compression drivers in every speaker
- **Deploy to provide high-level foreground music** in any outdoor venue
- **Install outdoors** with an IP55 weather rating, three-layer stainless steel grille, water-resistant woofer cone coating, industrial polyurethane exterior coating, and molded cover to protect inputs
- **Adapt to a variety of configurations** — all models ship standard with 70/100V transformer inputs and passive crossover with optimized filters for more consistent frequency and polar response
- **Streamline the design process** by combining with complementary Bose Professional products, such as PowerMatch amplifiers and ControlSpace DSPs
- **Mount easily with included stainless-steel U-bracket**: rear enclosure panel also includes M8 threaded inserts to accept third-party accessory mounting brackets
- **Provide wide, even coverage** with 90° x 60° constant-directivity high-frequency horn, which can be rotated for horizontal or vertical installation
- **Perform in the most demanding applications** with 80 Hz - 18 kHz frequency response and 121 dB maximum peak SPL
- **Support lowest vocal range** with 1x Bose LF8 8-inch woofer featuring a 2-inch long-excursion voice coil, which extends response to 80 Hz
## ArenaMatch Utility AMU108

**small-format foreground/fill loudspeaker**

### Technical Specifications

<table>
<thead>
<tr>
<th>Single Module Performance</th>
<th></th>
</tr>
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<tbody>
<tr>
<td>Frequency Response (-3 dB)</td>
<td>90 Hz to 16 kHz</td>
</tr>
<tr>
<td>Frequency Range (-10 dB)</td>
<td>80 Hz to 18 kHz</td>
</tr>
<tr>
<td>Nominal Coverage Pattern (H x V)</td>
<td>90° x 60° (rotatable high-frequency horn)</td>
</tr>
<tr>
<td>Recommended High-pass Filter</td>
<td>80 Hz with minimum 12-dB / octave filter</td>
</tr>
<tr>
<td>Crossover</td>
<td>Passive (1.4 kHz crossover frequency)</td>
</tr>
<tr>
<td>70/100V transformer tap settings</td>
<td>70V: 5, 10, 20, 40, 80 W; 100V: 10, 20, 40, 80 W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bose Extended Lifecycle Test</th>
<th>AES Transducer Test</th>
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<tbody>
<tr>
<td>Power Handling, long-term continuous</td>
<td>200 W</td>
</tr>
<tr>
<td>Power Handling, peak</td>
<td>800 W</td>
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<table>
<thead>
<tr>
<th>Sensitivity (SPL / 1W @ 1 m)</th>
<th>Wall/Ceiling</th>
<th>Sensitivity (SPL / 1W @ 1 m)</th>
<th>Wall/Ceiling</th>
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<tbody>
<tr>
<td>91 dB</td>
<td>93 dB</td>
<td>91 dB</td>
<td>93 dB</td>
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<tr>
<td>114 dB</td>
<td>116 dB</td>
<td>115 dB</td>
<td>117 dB</td>
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<tr>
<td>120 dB</td>
<td>122 dB</td>
<td>121 dB</td>
<td>123 dB</td>
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### Transducers

- **Low Frequency**: 1 × Bose LF8 high-exursion 8-inch woofer (2-inch voice coil)
- **High Frequency**: 1 × Bose EMB2S extended high-frequency compression driver (2-inch voice coil)
- **Nominal Impedance**: 8 Ω

### Physical

- **Enclosure Material**: Exterior-grade plywood
- **Finish**: Two-part spray polyurea coating, black or white
- **Grille**: 3-layer: perforated stainless steel, acoustic foam, stainless steel mesh, powder-coat finish
- **Environmental**: IEC 60529 IP55 for outdoor, direct-exposure installations
- **Connectors**: 1x barrier strip, (accepts 10 to 18 wire gauge)
- **Suspension/Mounting**: 2x M8 threaded inserts for U-bracket; 4x M8 threaded inserts on rear (127 × 70 mm, 4-bolt pattern)
- **Dimensions (H × W × D)**: 235 × 470 × 279 mm (9.3 × 18.5 × 11.0 in) with input cover
- **Net Weight**: 10.6 kg (23.3 lb) / 12.6 kg (27.7 lb) with u-bracket
- **Shipping Weight**: 14.2 kg (31.2 lb)
- **Accessories**: Optional pan-and-tilt bracket

### Product Code

- **Black**: 811434-0110
- **White**: 811434-0210

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**Footnotes**

1. Frequency response and range measured on-axis in anechoic environment with recommended bandpass and EQ.
2. Bose extended-lifecycle test using pink noise filtered to meet IEC268-5, 6-dB crest factor, 500-hour duration.
3. AES standard 2-hour duration with IEC-system noise.
4. Sensitivity measured in anechoic environment with recommended bandpass and EQ.
5. Maximum SPL calculated using sensitivity and power ratings, excluisve of power compression.
**ArenaMatch Utility AMU108**
small-format foreground/fill loudspeaker

**Frequency Response**

![Frequency Response Graph]

**Beamwidth**

![Beamwidth Graph]
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small-format foreground/fill loudspeaker

For additional specifications and application information, please visit PRO.BOSE.COM. Specifications subject to change without notice.