Qt® Active Emitters are wide dispersion (nearly 180 degrees) direct field loudspeakers with 1.25” (3.17 cm) drivers capable of simultaneous reproduction of both sound masking and clear audio sources such as paging signals. Patented direct-field technology ensures both uniform, comfortable sound masking as well as clear, articulate paging in a loudspeaker that’s virtually invisible once deployed in finished or open structure ceilings. The Qt Active Emitter features onboard active electronics to power the loudspeaker and a ported enclosure design allowing lower frequency extension to the 125 Hz octave band. Power is delivered via an external power supply and power injectors, both available as accessories. Active Emitters deliver four uncorrelated audio channels, automatically eliminating phasing. Active Emitters are plenum-rated, UL-listed, and comply with UL 2043. Each Active Emitter comes standard with a slip-ring mount for acoustical tile mounting. These features, along with plug and play installation and easy configuration capability, make QtPro systems the most intelligently engineered and most effective sound masking systems on the market today.

FEATURES

- Wide dispersion direct field speakers with 1.25” (32 mm) drivers
- Small driver size results in nearly 180° dispersion of direct field sound masking
- Reduces acoustical interference by using four uncorrelated channels
- DIP switches attenuate the volume level up to 4.5 dB in 1.5 dB decrements for easy micro-zoning
- Plug and play installation and easy configuration
- Comes standard with slip ring for acoustical tile mounting
- CE marked, UL listed, and RoHS compliant
- Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces
- Covered by Biamp Systems’ five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The emitter shall consist of a single 1.25” (32 mm), 4 ohm, full range transducer installed in a vented enclosure. The enclosure shall be manufactured from material meeting UL Standard 2043 requirements for heat and smoke release in accordance with the provisions of the following codes: National Electric Code, NFPA 70; International Mechanical Code, NFPA 5000; Standard for the Installation of Air Conditioning and Ventilating Systems, and NFPA 90A. The emitter shall be provided with internal logic to automatically sequence 4 channels of mutually incoherent masking sound generators when connected with standard category cables. Input and output receptacles shall be standard RJ-45 quick connect network type with positive locking. A twist-and-lock mounting ring shall be provided for quick and secure mounting in ceiling materials. The enclosure shall provide a secondary attachment for a security cable where required by local authorities. Warranty shall be 5 years. The emitter shall be a Qt® Active Emitter.
Qt ACTIVE EMITTER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>PS-AE-3</td>
</tr>
<tr>
<td>Power Injector</td>
<td>PI-AE</td>
</tr>
</tbody>
</table>

REQUIRED ACCESSORIES

<table>
<thead>
<tr>
<th>Description</th>
<th>SKU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drywall Mount</td>
<td>DM</td>
</tr>
<tr>
<td>Beam Bracket</td>
<td>AE-BB-W, AE-BB-B</td>
</tr>
<tr>
<td>Universal Bracket</td>
<td>AE-UB-W, AE-UB-B</td>
</tr>
</tbody>
</table>

OPTIONAL ACCESSORIES

<table>
<thead>
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<tr>
<td>Power Supply</td>
<td>PS-AE-3</td>
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<tr>
<td>Power Injector</td>
<td>PI-AE</td>
</tr>
</tbody>
</table>

DIMENSIONS

Maximum Power Consumption: 2 W
Driver Diameter: 1.25” (32mm)
Enclosure: Front Vented
Color: Black or White
Product Dimensions
Overall Diameter: 3.25 inches (83mm)
Depth: 3.5 inches (89mm)
Weight: 6.5 oz. (184g)
Included Accessories: Acoustic Ceiling Tile Mounting Ring UTP Cable (16ft/25ft/30ft)
Compliance: UL listed (USA) Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces

FREQUENCY RESPONSE (dB SPL)

BEAMWIDTH (Degrees)

Specifications based on emitter array using published layout practices in conjunction with Qt Control Processor.
Specifications based on laboratory measurements by NWAA Labs, not using Qt Control Processor.