

DATA SHEET

QT® ACTIVE EMITTER, FUSION EDITION (DS1320) SOUND MASKING LOUDSPEAKER



The Qt® Active Emitter, Fusion Edition (DS1320) is a point-source Emitter (loudspeaker) capable of both sound masking and simultaneous reproduction of clear audio sources such as paging signals. The Qt Active Emitter provides higher SPL and a broader frequency range than previous direct field Emitter offerings using a 1.25" diameter driver. 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. This version of the Qt Active Emitter should only be used with the DynasoundPro Networked System. When used with the DynasoundPro Networked system, power and audio signals are delivered to the Active Emitter through the DS8000 PoE Networked Speaker Controller and a PoE network switch.

FEATURES

- A ported emitter capable of delivering uniform, comfortable sound masking and clear, quality paging
- Delivers quality masking and audio in a small speaker that's virtually invisible once deployed in finished or open structure ceilings
- Provides direct field sound masking and high fidelity audio with individually addressable emitters in the Dynasound Networked system
- Plenum-rated, UL listed, and complies with UL 2043

ARCHITECTS & ENGINEERS SPECIFICATION

The emitter shall consist of a single 1.25" (3.17 cm), 4 ohm, full range transducer installed in a vented enclosure. The enclosure shall be made to meet 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 provide a screw terminal plug to be used only to connect to a Dynasound DS8000 networked speaker controller. 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.

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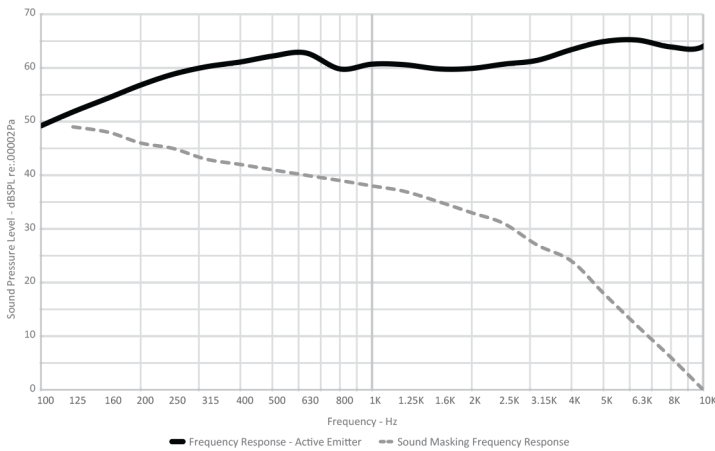
Qt ACTIVE EMITTER, FUSION EDITION (DS1320) SPECIFICATIONS

Loudspeaker Type:	Active with integrated amplifier	Maximum Power Consumption:	2 W
Frequency Response		Driver Diameter:	1.25" (32mm)
Sound Masking¹:	125Hz to 10kHz	Enclosure:	Front Vented
Music/Paging (-10dB)²:	115Hz to 12kHz	Color:	Black or White
SPL¹		Product Dimensions	
Minimum Masking SPL (@ 1m):	30dBA	Overall Diameter:	3.25 inches (83mm)
Maximum Masking SPL (@ 1m):	60dBA	Depth:	3.5 inches (89mm)
Maximum Music/Paging SPL (@ 1m):	74dBA	Weight:	6.5 oz. (184g)
Nominal Impedance:	40 kΩ	Included Accessories:	Acoustic Ceiling Tile Mounting Ring
Nominal Dispersion:	170° conical / half space	Compliance:	UL listed (USA) Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces
Connectors:	Screw Terminal Plug (12 to 22 AWG)		
Cabling:	2 conductor 18 AWG stranded wire		

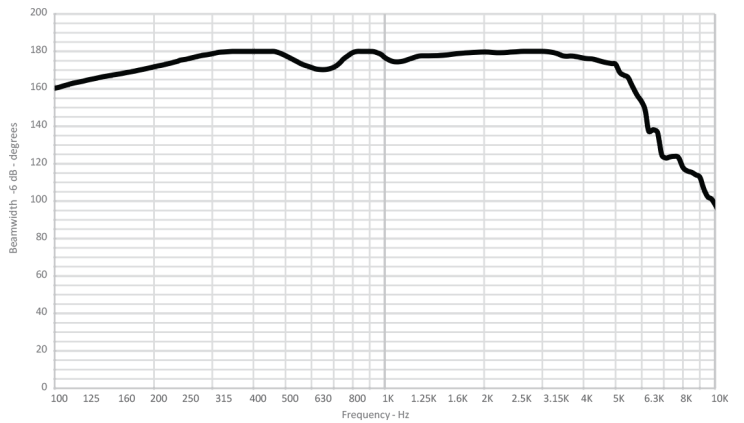
¹ Specifications based on emitter array using published layout practices in conjunction with Qt Control Processor.

² Specifications based on laboratory measurements by NWAA Labs, not using Qt Control Processor..

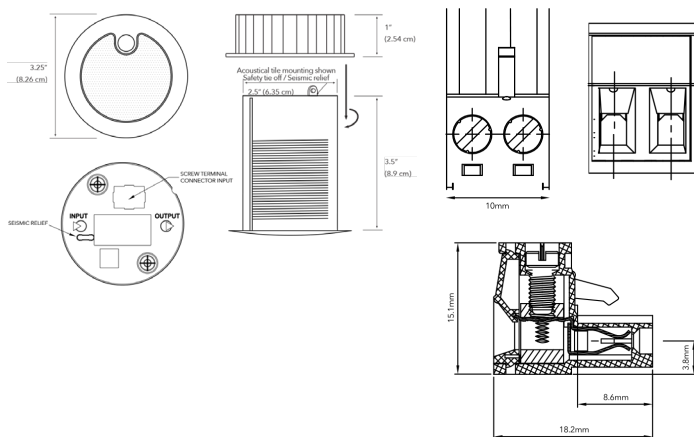
FREQUENCY RESPONSE (dB SPL)



BEAMWIDTH (-6 dB)



DIMENSIONS



REQUIRED ACCESSORIES

Description	SKU
Loudspeaker Controller	DS8000

OPTIONAL ACCESSORIES

Description	SKU
Drywall Mount	DM
Beam Bracket	AE-BB-W, AE-BB-B
Universal Bracket	AE-UB-W, AE-UB-B
Pendant Mount	PM-W, PM-B