



Product Overview

Bose Professional ShowMatch™ DeltaQ™ SM5 full-range array modules provide 5° nominal vertical coverage with included field-changeable waveguides offering choice of 70° or 100° horizontal coverage and optional accessory 55° waveguides. Replace single waveguide panel to form horizontal asymmetrical patterns. The 2-way module requires external power amplifiers (2- channels) and DSP to provide full-range response from 59 – 18,000 Hz with peak array output up to 145 dB.

Key Features

- DeltaQ™ technology defines the next-generation in loudspeaker array design with selectable coverage patterns that more precisely direct sound to audience areas for improved sound quality and vocal clarity with fewer boxes versus line arrays.
- Replaceable waveguides ships with 70° waveguides installed with 100° panels included to allow coverage change. Largest-in-class size provides better coverage and vocal clarity. Change single panel for asymmetrical patterns. Optional 55° waveguides for SM5.
- Compact, portable enclosure Versatile design allows both fixed install and portable applications, from small clubs and houses of worship to the largest performing arts centers and AV productions.
- Tour-sound output level 4x Bose EMB2S compression drivers, improved with more HF output, and 2x 8-inch neodymium high-power woofers allow peak array output up to 145 dB SPL.
- 3-point "quick pin" rigging Fast, easy setup with up to 24 full-range modules and 10:1 design factor.
- Removable side guards provide rigging guard and hand holds for portable applications. Easily removed for permanent installs to reduce width and improve sight lines.
- Rigging overlap angle adjustment only on SM5 modules, coverage overlap or "splay" can be adjusted from 0 to 5°, in 1° increments, to provide long throw distance and high SPL.

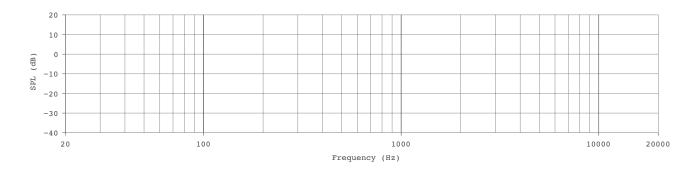
Technical Specifications

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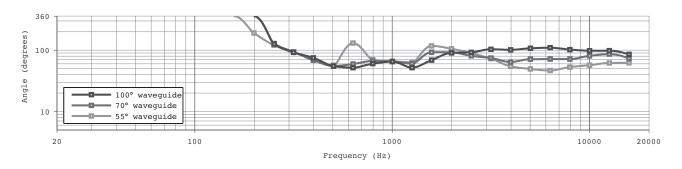
ShowMatch™ SM5 DeltaQ™ array loudspeaker

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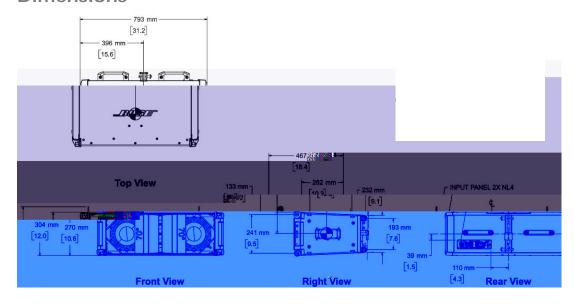
Frequency Response



Beamwidth (Horizontal -6 dB)



Dimensions



- (1) Frequency response and range measured on-axis in an anechoic environment, with recommended bandpass and EQ. (2) Sensitivity measured with indicated boundary conditions, recommended bandpass and EQ, referenced to 1W/m.
- (3) Maximum SPL calculated from sensitivity and power handling specifications, exclusive of power compression.
- (4) Bose extended-lifecycle test using pink noise filtered to IEC268-5, 6-dB crest factor, 500-hour, full-power duration. (5) AES standard component power handling test: pink noise 60-18000 Hz bandpass, 6-dB crest factor, 2-hour duration.

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