

## TECHNICAL DATA

# ShowMatch™ SM10 DeltaQ™ array loudspeaker



## Product Overview

Bose Professional ShowMatch™ DeltaQ™ SM10 full-range array modules provide 10° nominal vertical coverage with included field-changeable waveguides offering choice of 70° or 100° horizontal coverage. 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 100° waveguides installed with 70° panels included to allow coverage change. Largest-in-class size provides better coverage and vocal clarity. Change single panel for asymmetrical patterns.
- **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.

Footnotes

- (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.