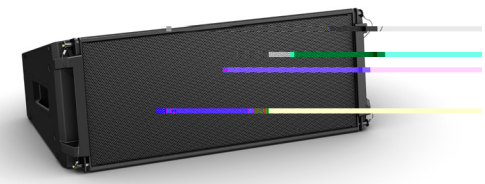
TECHNICAL DATA

ShowMatch™ SM20 DeltaQ™ array loudspeaker



PROFESSIONAL

Product Overview

Bose Professional ShowMatch™ DeltaQ™ SM20 full-range array modules provide 20° nominal vertical coverage with included field-changeable waveguides offering choice of 70° or 100° horizontal coverage and optional accessory 120° 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 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. Optional 120° waveguides for SM20.
- **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 .

Technical Specifications