

Panaray® MA12

mid/high modular line array



Key Features

- **Twelve 2.25" (64 mm) drivers** mounted in a vertical line array deliver wide horizontal coverage with narrow vertical pattern control
- **Modular design** allows stacking of multiple enclosures in a line array configuration to provide increased vertical pattern control which improves "throw" distance and reduces unwanted floor/ceiling reflections
- **145° horizontal x 20° nominal coverage** for a single module. Vertical coverage varies with number of modules stacked in line array configuration
- **Mid/high configuration** allows bass management and design flexibility. Use with Bose MB4, MB12, or MB24 modular bass loudspeakers for full-range reinforcement
- **Optional brackets** allow easy installation of single-, double- or triple-stack line array modules



TECHNICAL DATA SHEET

Product Overview

The Bose® Panaray® MA12 is a mid/high-frequency modular line array loudspeaker designed to provide outstanding vocal intelligibility in acoustically demanding spaces. The slim column enclosure blends with almost any décor.

Technical Specifications

| System Performance | |
|--|--|
| Frequency Response (+/-3 dB) ¹ | 155 Hz - 12 kHz |
| Frequency Range (-10 dB) ¹ | 100 Hz - 16 kHz |
| Nominal Dispersion ² | 145° H x 20° V |
| Recommended High-Pass Filter | 125 Hz |
| Loudspeaker EQ | Required |
| Overload Protection | PTC / Lamp |
| Long-Term Power Handling ³ | 300 W (1200 W peak) |
| Sensitivity (SPL / 1 W @ 1 m) ⁴ | 88 dB SPL |
| Maximum SPL @ 1 m ⁵ | 113 dB SPL (119 dB SPL peak) |
| Nominal Impedance | 8 Ω |
| Transformer Taps (70/100 V) | CVT-MA12 transformer available |
| Transducers | |
| Driver Complement | Twelve (12) 2.25" (57 mm) mid/high-frequency drivers |
| Physical | |
| Enclosure | Extruded-aluminum sidewalls with steel top and bottom endcaps, all powder coated |
| Grille | Powder-coated steel grille |
| Environmental | Indoor use only |
| Connectors | Two (2) parallel-wired NL4 Neutrik® Speakon® connectors One (1) two-conductor barrier strip |
| Suspension / Mounting | Four (4) x M6 threaded inserts (back) |
| Dimensions | 38.8" H x 4.2" W x 5.0" D (984 mm x 105 mm x 128 mm) |
| Net Weight | 19 lb (8.5 kg) |
| Shipping Weight | 21 lb (9.4 kg) |
| Product Code | |
| Black | 040189 |
| White | 040188 |

Footnotes:

- ¹ Frequency response and range measured on-axis with recommended active EQ in an anechoic environment.
- ² Vertical coverage varies by number of modules vertically arrayed and distance from line-source boundary. Use Modeler® software for the best prediction.
- ³ Power handling tested using pink noise filtered to meet IEC 268-5, 6 dB crest factor, 100 hours, with recommended EQ.
- ⁴ Sensitivity measured in free field (no boundary-loading gain) with recommended active EQ, referenced to 1W/1m.
- ⁵ Maximum SPL calculated from sensitivity and power handling specifications, exclusive of power compression.