

Panaray® 620M

multi-position floor monitor



Key Features

- **Three-in-one cabinet design** provides smooth response and even coverage for multiple floor-monitor applications:
 - 45° position (individual mix)
Horizontal: 40°; Vertical: 120°
 - 40° position (group mix – shallow stage)
Horizontal: 120°; Vertical: 40°
 - 60° position (group mix – deep stage)
Horizontal: 120°; Vertical: 40°
- **Proprietary Articulated Array®** speaker configuration with six 2.25" (57 mm) mid-high frequency drivers combined with two (2) 5.25" (133 mm) woofers
- **Internal passive crossover** network does not require active equalization
- **Recessed NL4 connectors** allow for easy cable concealment, which reduces clutter on stage
- **Rear bumper** prevents unwanted movement



TECHNICAL DATA SHEET

Product Overview

The Bose® Panaray 620M multi-position floor monitor is a high-performance compact solution that delivers multiple coverage options for a variety of professional applications.

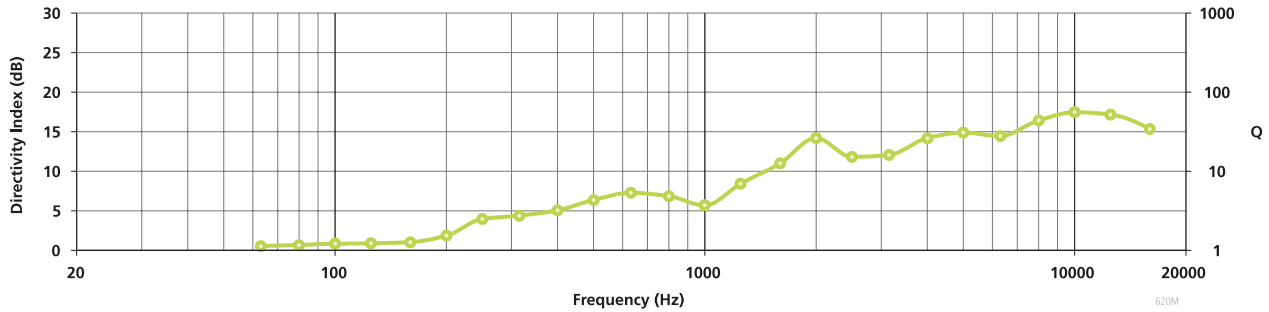
Technical Specifications

| System Performance | | | |
|--|---|------------------------|---------------------------|
| Frequency Response (+/-3 dB) ¹ | 70 Hz - 16 kHz | | |
| Frequency Range (-10 dB) ¹ | 55 Hz - 18 kHz | | |
| | 45° position | 60° position | 40° position |
| | Individual Mix | Group Mix - Deep Stage | Group Mix - Shallow Stage |
| Nominal Dispersion | 40° H x 120° V | 120° H x 40° V | 120° H x 40° V |
| Recommended High-Pass Filter | 60 Hz high-pass filter | | |
| Loudspeaker EQ | Recommended | | |
| Long-Term Power Handling ² | 200 W (800 W peak) | | |
| Sensitivity (SPL / 1 W @ 1 m) ³ | 90 dB SPL | | |
| Maximum SPL @ 1 m ⁴ | 113 dB SPL (119 dB SPL peak) | | |
| Nominal Impedance | 8 Ω | | |
| Internal Crossover Frequency | 250 Hz | | |
| Transducers | | | |
| Driver Compliment | Two (2) 5.25" (133 mm) drivers Six (6) 2.25" (57 mm) drivers | | |
| Physical | | | |
| Enclosure | Molded textured polyethylene material | | |
| Grille | Powder-coated steel grille | | |
| Environmental | Indoor use only | | |
| Connectors | Two (2) parallel-wired NL4 Neutrik® Speakon® connectors | | |
| Dimensions | 12.5" H x 20.6" W x 10.5" D (318 mm x 523 mm x 266 mm) | | |
| Net Weight | 22 lb (10 kg) | | |
| Shipping Weight | 28 lb (13 kg) | | |
| Product Code | | | |
| Black | 039917 | | |

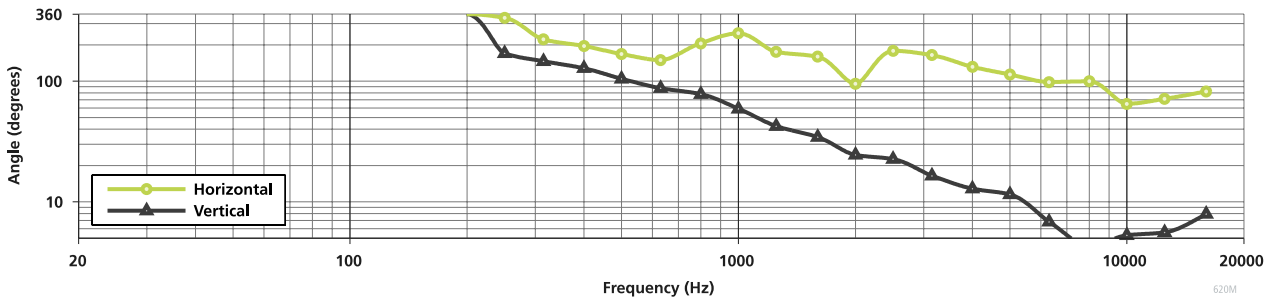
Footnotes:

- ¹ Frequency response and range measured on-axis with recommended active EQ in an anechoic environment.
- ² Power handling tested using pink noise filtered to meet IEC 268-5, 6 dB crest factor, 100 hours, with recommended EQ.
- ³ Sensitivity measured in free field (no boundary-loading gain) with recommended active EQ, referenced to 1W/1m.
- ⁴ Maximum SPL calculated from sensitivity and power handling specifications, exclusive of power compression.

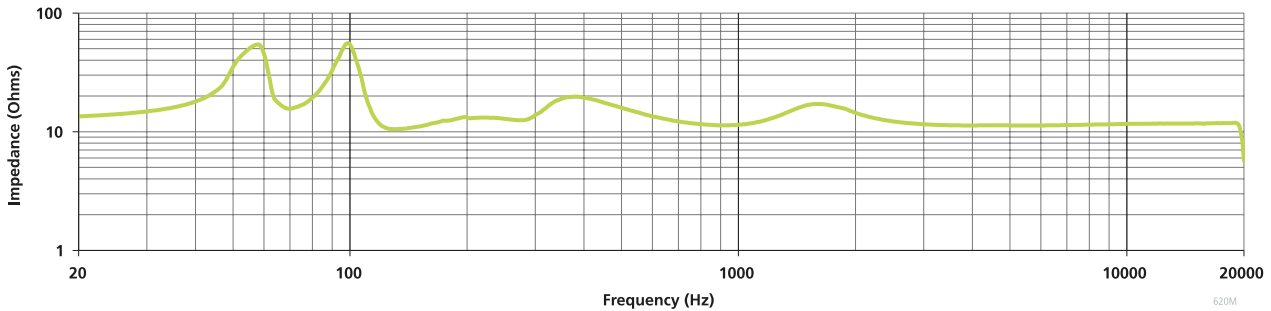
Directivity Index and Q



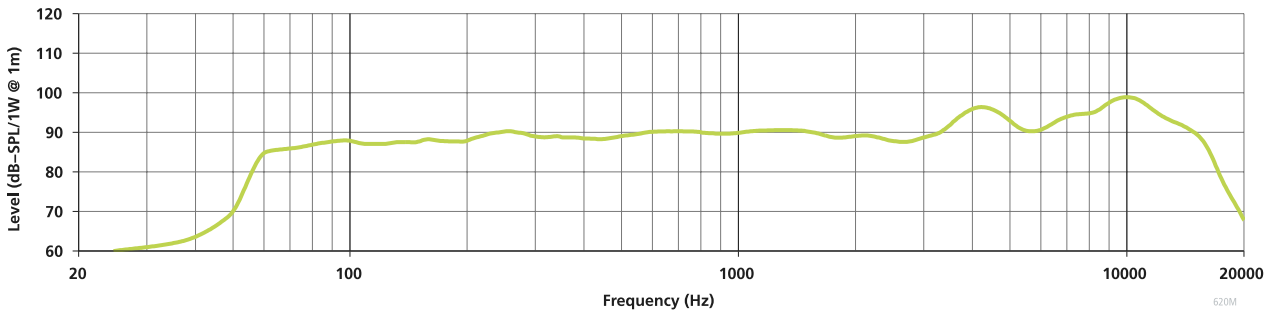
Beamwidth



Impedance



On-Axis Response

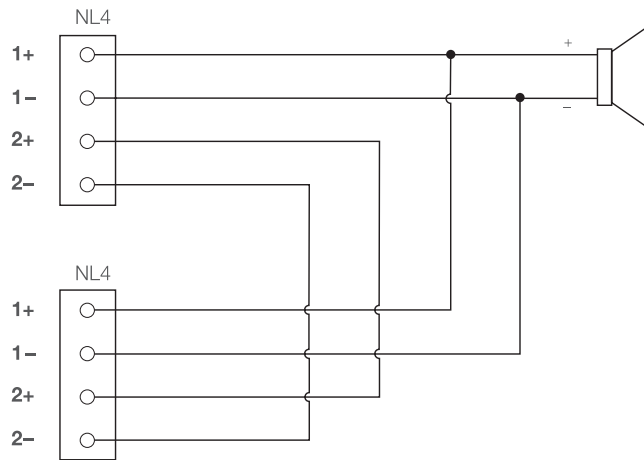


Panaray® 620M

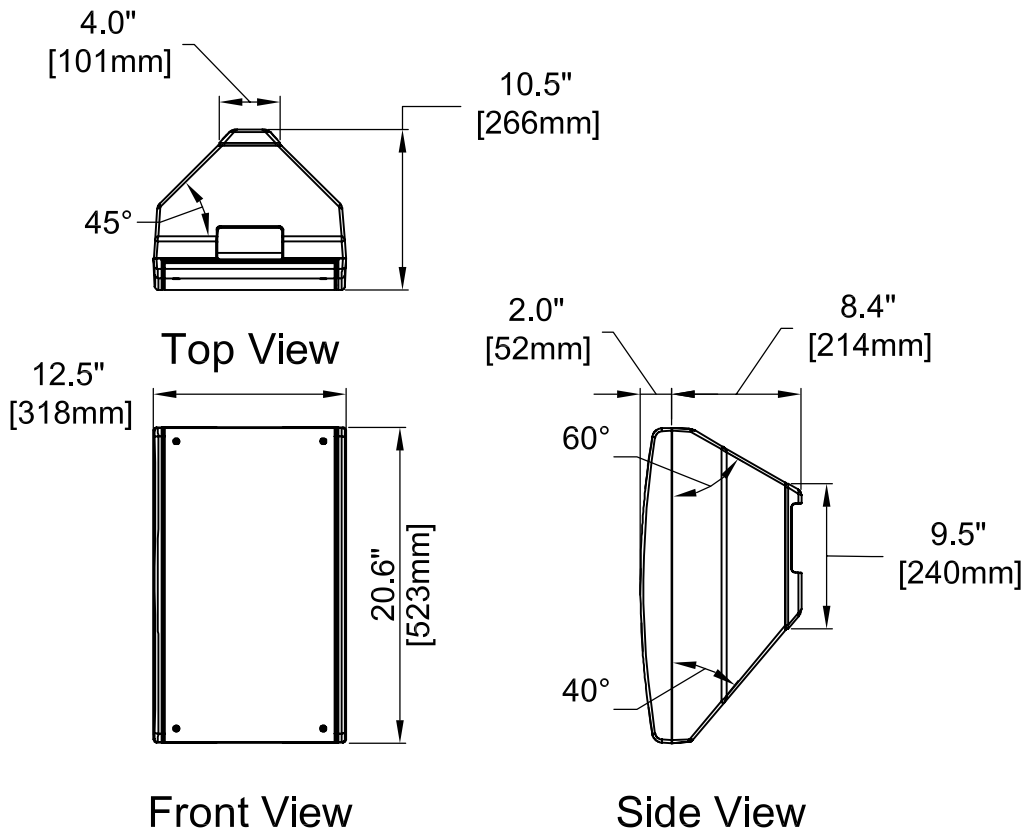
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Wiring Diagram



Mechanical Diagrams

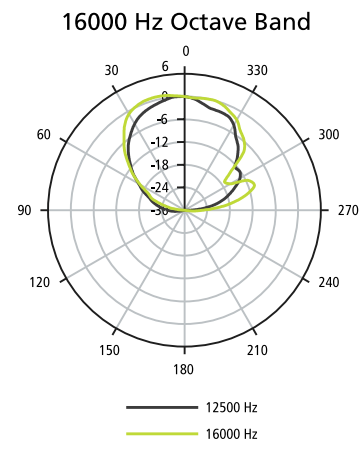
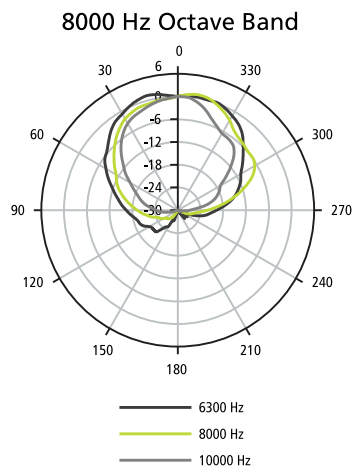
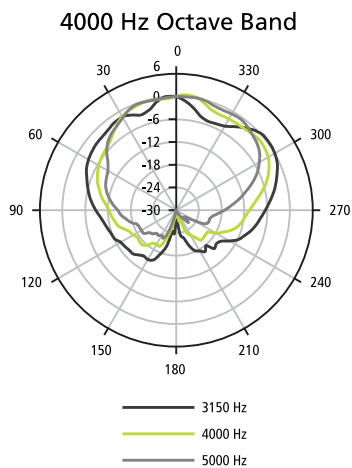
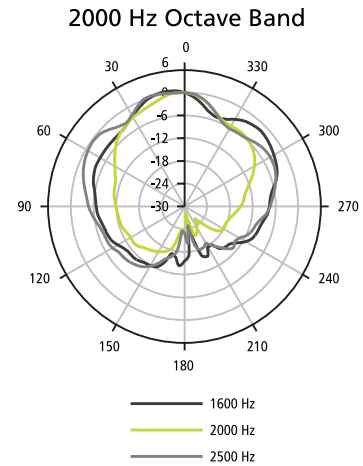
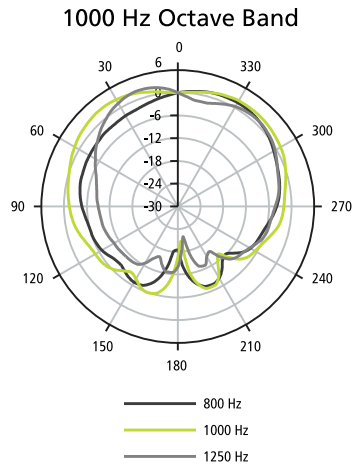
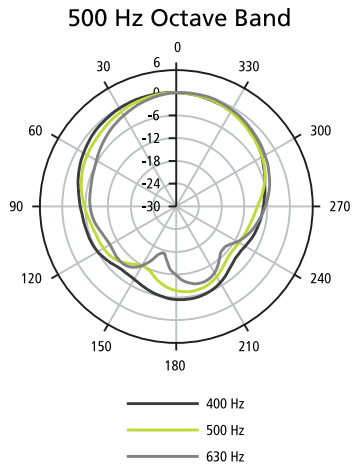
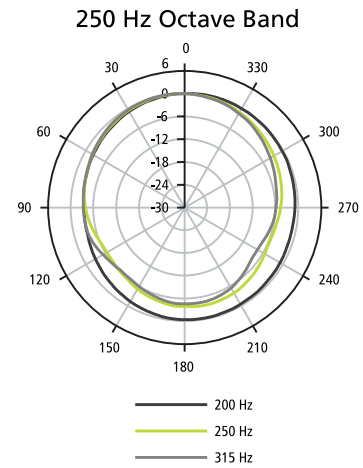
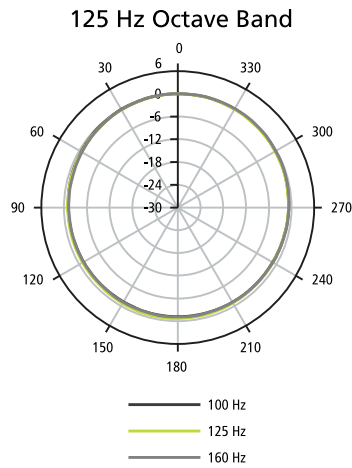
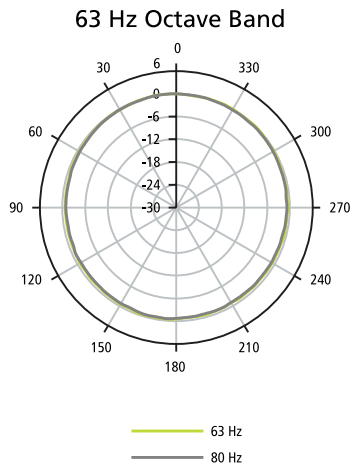


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Horizontal Plots



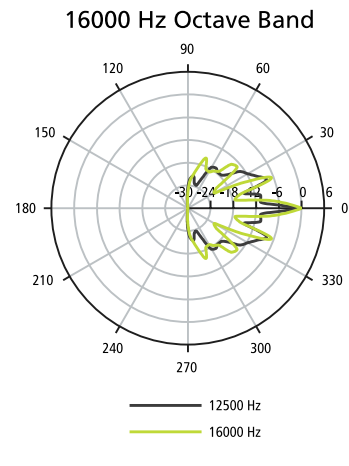
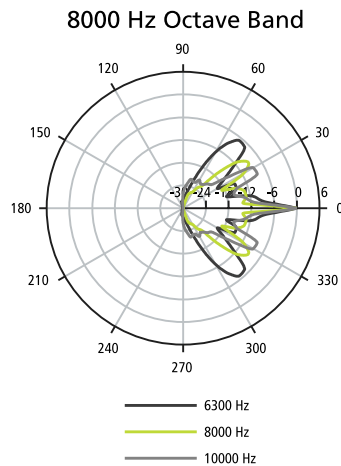
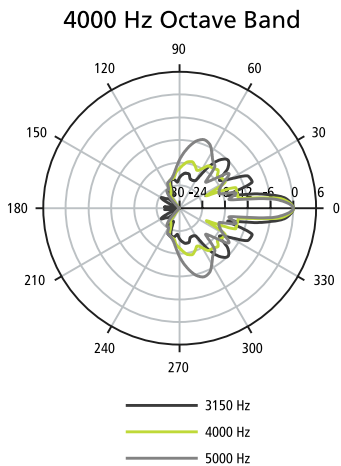
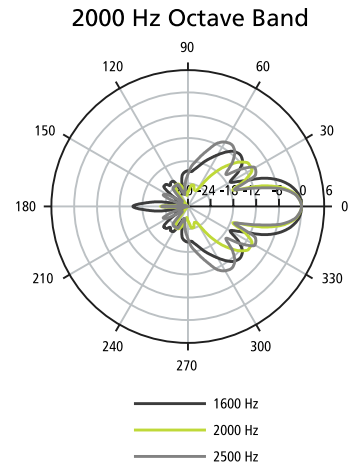
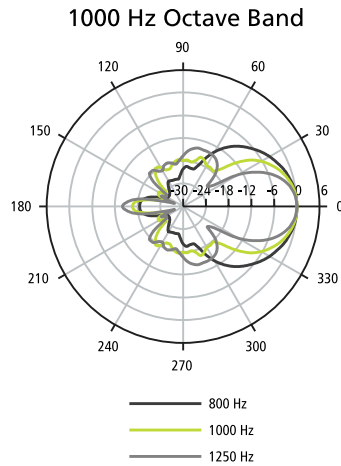
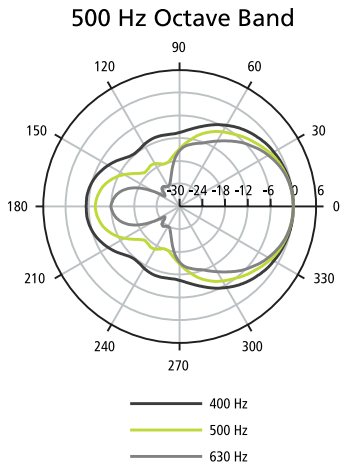
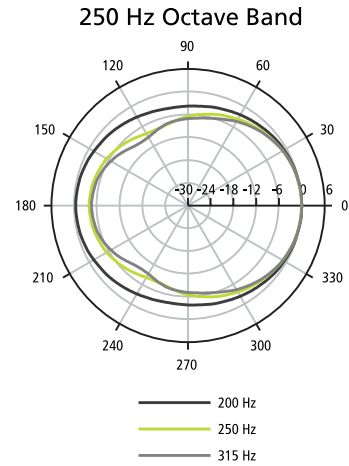
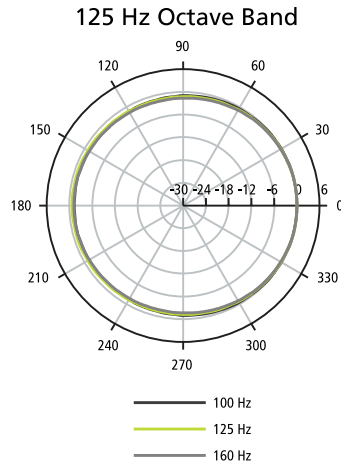
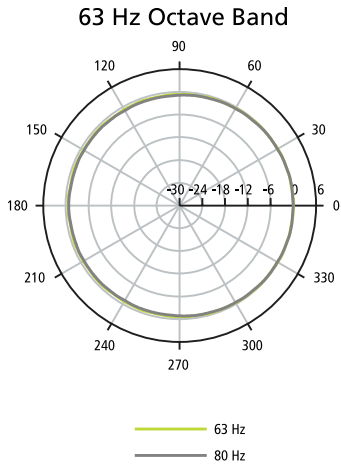
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Vertical Plots



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Architects' and Engineers' Specifications

The loudspeaker shall be a multiple-driver, full-range loudspeaker. The transducer complement shall consist of two (2) low-frequency drivers of 5.25" (133 mm) diameter, mounted symmetrically in pairs, with six (6) 2.25" (57 mm) drivers in an Articulated Array® loudspeaker design. The loudspeaker shall have a cabinet shape to enable the floor array to be used in three different floor positions.

The loudspeaker shall have a rated nominal impedance of 8 ohms. The loudspeaker system sensitivity shall be 90 dB SPL in the 70 Hz – 16 kHz frequency range, with measurements referenced to 1 watt (2.85 V) pink noise input at 1 meter. The dispersion shall be 40° H by 120° V in the individual position, 120° H by 40° V in the group-near position and 120° H by 40° V in the group-far position. The power-handling capacity of the loudspeaker shall be 200 watts IEC band-limited, from 70 Hz – 16 kHz.

The input connectors of the loudspeaker shall consist of two (2) parallel-wired NL4 Neutrik® Speakon® connectors. The enclosure of the loudspeaker shall be composed of linear, low-density polyethylene. Its outer dimensions shall be 12.5" x 20.6" x 10.5" (318 mm x 523 mm x 266 mm). Its weight shall be 22 lb (10 kg). The loudspeaker is packaged one per carton.

The loudspeaker shall be the Bose® Panaray® 620M multi-position floor monitor.