

Monitor Series

- The MR6T is a compact full-range speaker that combines excellent intelligibility with high efficiency and power handling.
- The single 6.3" driver is an extended range, dual cone design that achieves wide bandwidth with single source coherency. The cone is fitted with a durable foam surround and treated to resist moisture.
- The speaker enclosure is a vented design, formed from high density polystyrene that is extremely strong, lightweight and weather resistant. Threaded metal sockets are molded into the cabinet to facilitate quick, safe, deployment of the MR6T, as a single unit or in clusters, using specially designed accessory mounting hardware. Available in black or white (MR6WT).
- The MR6T is a part of Mackie Industrial's Monitor Series, which includes two-way constant directivity, compact speakers in easily installed enclosures.
- This Mackie Industrial product is covered by an exclusive, one-time, NO FAULT repair policy in addition to a five year limited warranty.

Compact Full-Range Speaker



Features

- 6.3" high efficiency dual-cone driver
- Built-in, multi-tap constant voltage transformer
- Lightweight, UV/weather resistant, high density polystyrene, trapezoidal shaped enclosure for multiple applications and minimum visual intrusion
- Integrated mounting points for use with optional mounting hardware
- Exclusive Mackie Industrial — one-time, NO FAULT repair policy
- Five year limited warranty

- Foreground/Background Music
- Distributed Speech Reinforcement
- AV Production/Playback
- Near-field Monitoring

Specifications

System

Freq. Range (-10dB):	70Hz–18kHz
Freq. Response (-3dB):	200Hz–15kHz
Coverage Angle (-6dB):	90° averaged 800Hz to 16kHz
Directivity Factor; Q (DI):	9.3 (9.7) averaged 800Hz to 16kHz
System Sensitivity ¹ :	95dB, 1W @ 1m
Rated Maximum SPL:	118dB @ 1m
System Input Power Rating ² :	50W IEC; 200W Peak
System Nominal Impedance:	4Ω (bypassed)
Constant Voltage:	25V, 50V, 70V, 100V
Power Taps:	10W, 25W, 50W

Transducer

Full-Frequency:	6.3" (160mm) dual-cone woofer with 1.5" (38mm) coil
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Physical

Enclosure:	45° back angles, high density polystyrene
Attachment Inserts:	Integrated mounting points for use with optional mounting hardware
Color:	Matte black, white (MR6WT), scratch resistant paint,
Grille:	Matching perforated steel grille
Input Connectors:	Push connector plate
Dimensions (HxWxD):	11.82" x 8.39" x 8.96" (300mm x 213mm x 227.6mm)
Net Weight:	15lb. (6.8kg)

Options

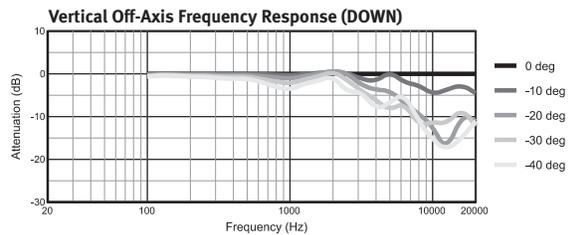
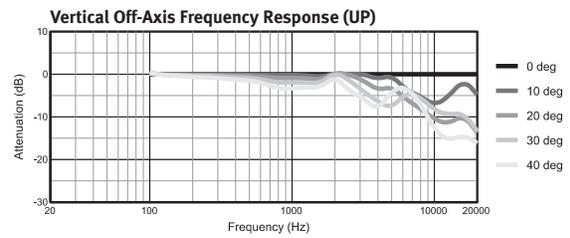
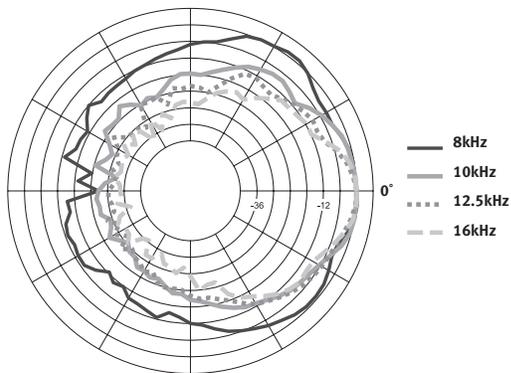
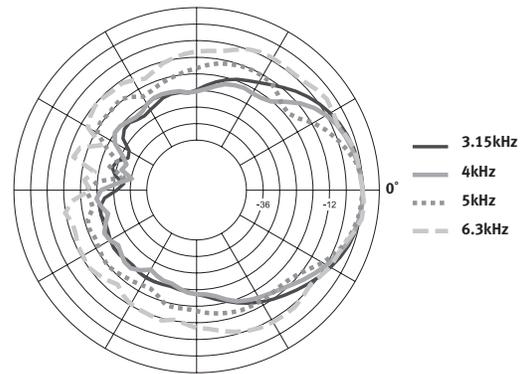
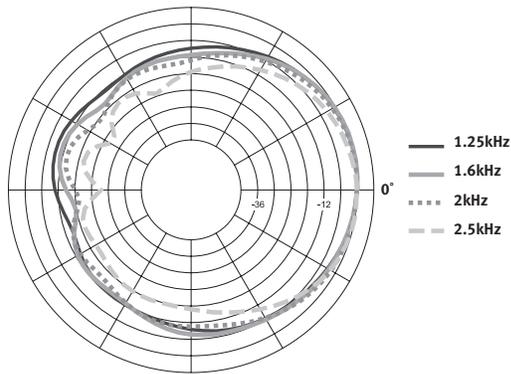
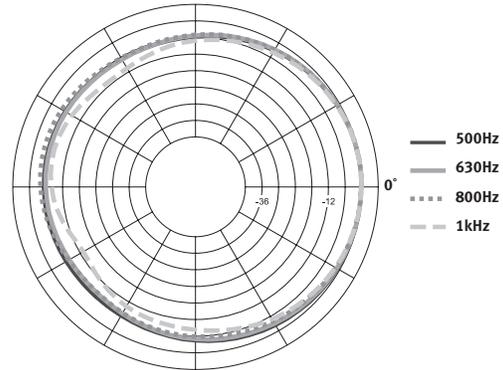
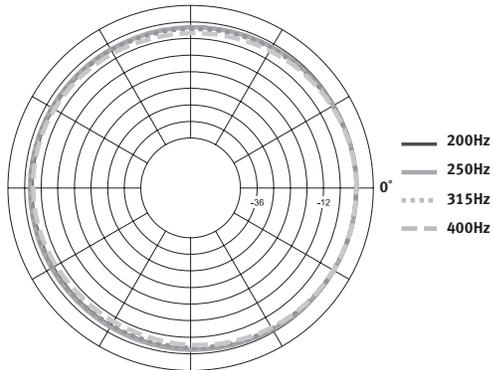
MA 6-8, MA 6-8W	Articulated surface mount hardware, black (W- white)
MA 6-9, MA 6-9W	Ball-joint surface mount, black (W- white)

¹ Measured on axis in the far field with 1 watt (2.00 V RMS, 4Ω) input and referenced to 1 meter distance using the inverse square law. Listed sound pressure represents an average from 300Hz to 3kHz.

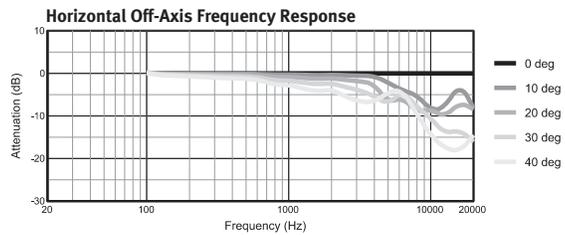
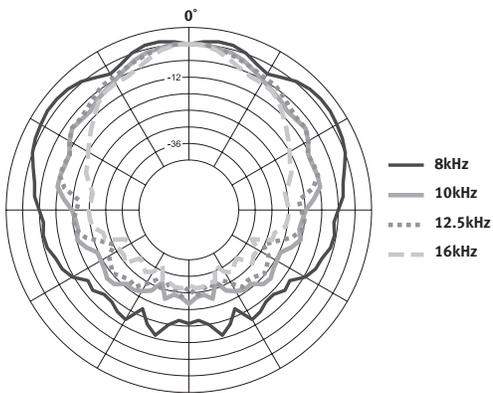
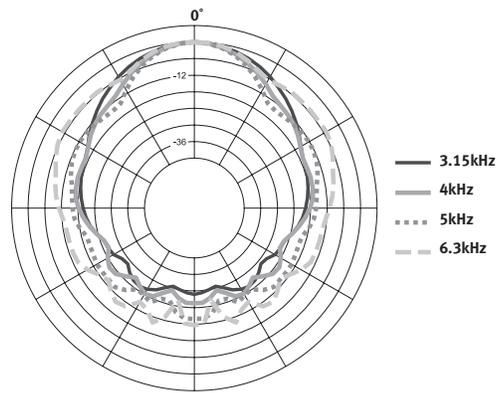
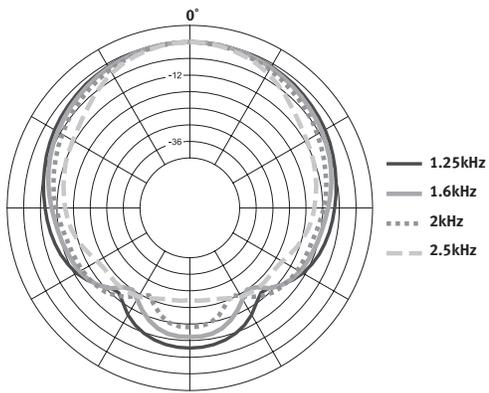
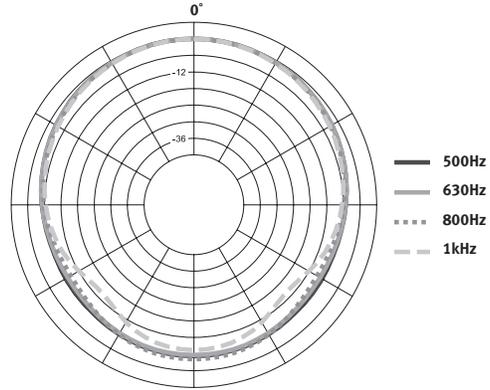
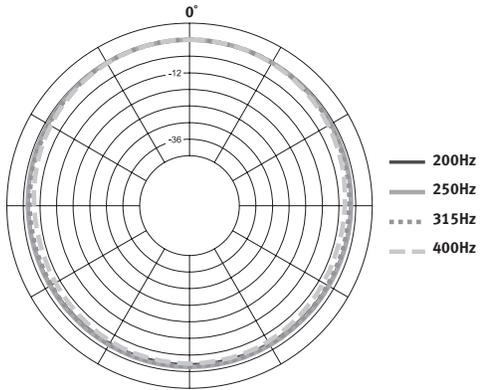
² RMS using 20Hz to 20kHz, PN Spectrum, Peak for 2 hours with +6dB crest factor.

MR6T Compact Full-Range Speaker

Monitor 6T Vertical Polars

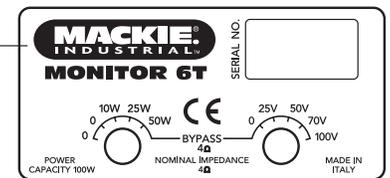
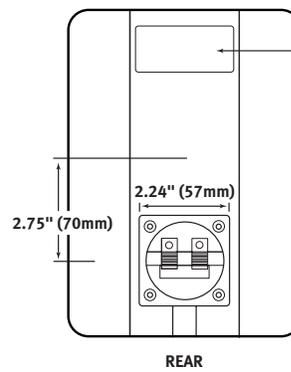
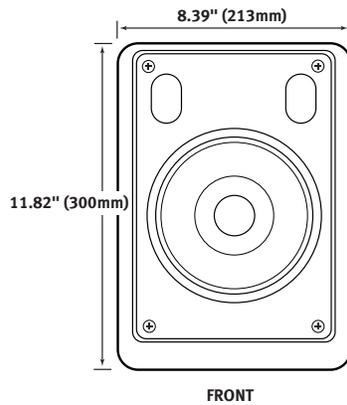
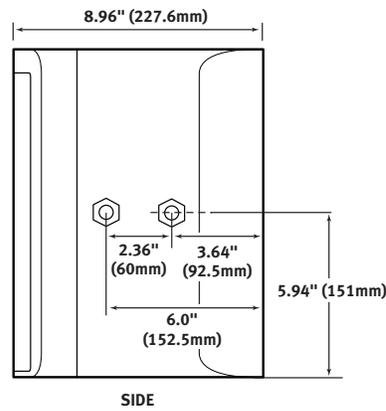
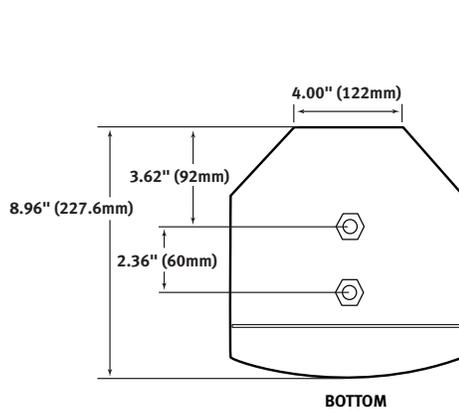
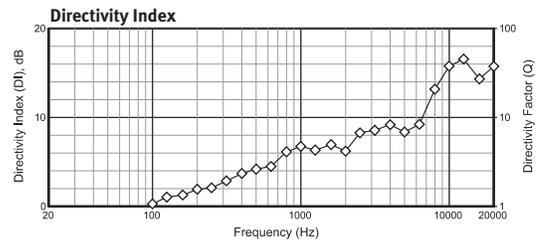
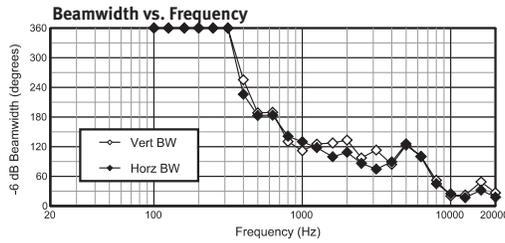
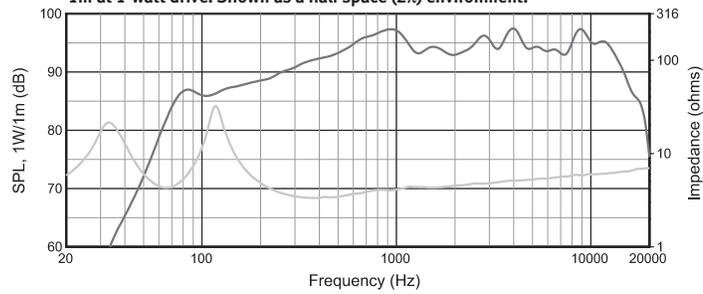


Monitor 6T
Horizontal Polars



MR6T Compact Full-Range Speaker

Frequency response is measured on-axis at a distance referenced back to 1m at 1-watt drive. Shown as a half space (2π) environment.



TRIM OFF THIS EDGE

MR6T Compact Full-Range Speaker

Architects' and Engineers' Specifications

The loudspeaker system shall be self-contained and consist of the following components: (1) a dual cone, full range driver; (2) a constant voltage transformer; (3) a vented enclosure.

The full-range transducer shall be a dual cone type loudspeaker having a cone with a diameter of at least 6.3 inches (160mm). It shall present a nominal impedance load of 4Ω to the constant voltage transformer or power amplifier.

The constant voltage transformer shall have multiple power taps at 10, 25, and 50 Watts. It shall also have voltage taps at 25, 50, 70 and 100V. Two detented rotary switches shall be provided on the input panel to adjust the power and voltage taps of the transformer. The voltage tap switch shall have a position to bypass the transformer and allow the loudspeaker to present a 4Ω load to a directly coupled power amplifier.

The enclosure shall be a vented design. It shall be constructed using high density polystyrene and finished with black (or white), scratch resistant paint. It shall be trapezoidal in shape with 45° angled sides. A full size, detachable, perforated steel grille, finished in black (or white) scratch resistant paint shall be provided. At least 4 reinforced threaded metal sockets for attaching optional mounting hardware offered by the manufacturer shall be provided. The overall dimensions of the enclosure shall not exceed (HxWxD) 11.82" x 8.39" x 8.96" (300mm x 213mm x 227.6mm). The total weight of the loudspeaker shall not exceed 15lbs. (6.8kg). Connections to the loudspeaker shall be two color-coded, spring-loaded push connectors.

The loudspeaker system shall have an overall frequency response of at least 70Hz–18kHz when measured to –10dB and at least 200Hz–15kHz when measured to –3dB. It shall have a nominal average coverage pattern of at least 90° horizontal by 90° vertical to –6dB when measured between 800Hz and 16kHz. Calculated 1W/1m sensitivity shall be at least 95dB when measured in the far field between 300Hz and 3kHz. Maximum SPL shall be at least 118dB at 1m. The loudspeaker shall be rated for continuous operation at 50W IEC with 200W peaks.

The two-way loudspeaker system shall be a model MR6T (MR6WT - white) manufactured by Mackie Industrial.

Electronic files for this product available at:
www.mackieindustrial.com

This Specification Sheet

MR6T.PDF

Quick-Start Manual

MR6TQS.PDF



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