

SRM350v2

The Mackie SRM350v2 is a full-range, portable, powered loudspeaker system providing high-output, ultra-wide dispersion and low-distortion performance in a compact, lightweight design. Two Fast Recovery™ amplifiers independently power a 10-inch neodymium woofer and a precision titanium compression driver. Mackie's sophisticated Active electronics provide phase correction, crossover, time correction, equalization and protection circuitry.

A heat-treated titanium compression driver directs pristine highs through an exponential high-frequency waveguide, allowing for ultra-wide dispersion. This allows the SRM350v2 to deliver clear, smooth sound to audience members up to 45° off axis.

The 10-inch neodymium woofer provides a greater magnetic field with far less material, making the woofer extremely lightweight without sacrificing performance. The 2-inch voice coil allows the driver to run cooler, delivering consistent performance even after long hours of use.

Mackie-designed Active electronics provide equalization, crossover, time alignment, and phase correction to enhance sonic performance. Protective circuitry includes over-excursion protection, low-line voltage shut-down, thermal protection, dynamic low-frequency bass boost and independent LF and HF limiters.

The SRM350v2 features a number of dedicated controls including a mic/line switch, a single microphone and line input level control, and a contour switch for low-level sound reinforcement applications.

The center of gravity, handle locations, handle design, position of fly-points and ease of use have been ergonomically designed. There is also an integrated pole mount cup and a weather-resistant steel grille. The asymmetrical trapezoidal cabinet has been designed to provide an ideal floor monitoring position.

The cabinet is constructed of high-pressure injected polypropylene. The enclosure features reinforcement ribbing and structural strengthening resulting in a strong, super-rigid design providing ideal acoustical characteristics.

APPLICATIONS

Small club/band PA systems, houses of worship, DJs, vocal/band monitor wedges, gymnasiums, banquet halls, conference rooms and many, many more.



FEATURES:

- 2-way bi-amplified, optimized powered loudspeaker system
- 165W RMS Class-D, Fast Recovery™ LF amp / 30W RMS HF amp
- 10" neodymium long-throw low-frequency transducer with 2-inch voice coil
- High-output precision titanium compression driver
- Ultra-wide, smooth dispersion via HF waveguide
- Mackie Active electronic time alignment, phase correction and EQ for studio quality sound
- Phase-accurate 24 dB/octave Linkwitz-Riley electronic crossover
- Mic/line input and pass-thru connector
- Lightweight for ultimate portability (24 lb / 10.9 kg)
- Asymmetrical trapezoidal cabinet for floor monitor positioning
- Stand / Pole-mountable
- Flyable via optional hanging bracket kit

SRM350v2 SPECIFICATIONS

Acoustic Performance

| | |
|----------------------------|--|
| Frequency Response (-3 dB) | 83 Hz - 18.5 kHz |
| Frequency Range (-10 dB) | 61 Hz - 22 kHz |
| Max SPL long-term | 118 dB @ 1 m |
| Max SPL peak | 121 dB @ 1 m |
| Crossover Point | Linkwitz-Riley, 24 dB/octave @ 2400 Hz |

Input / Output

| | |
|-------------------|-----------------------|
| Input / Thru Type | Balanced Differential |
| Input Impedance | 94 kΩ |

Sensitivity

| | |
|---|-----------------------------------|
| Line | +4 dBu (center detent) |
| Mic | -36 dBu |
| Maximum Input Level | +22 dBu |
| Acoustic Contour Equalization (Peaking) | +3 dB @ 100 Hz, +3 dB @ 12 kHz |

Low-Frequency Power Amplifier

| | |
|-------------|----------------------|
| Rated Power | 165 watts rms* |
| Rated THD | < 0.03% |
| Cooling | Convection Extrusion |
| Design | Class D |

High-Frequency Power Amplifier

| | |
|-------------|----------------------|
| Rated Power | 30 watts rms* |
| Rated THD | < 0.03% |
| Cooling | Convection Extrusion |
| Design | Class AB |

*Rated power is continuous rms wattage into transducer's rated impedance @ 1kHz for the HF amplifier and @ 100Hz for the LF amplifier.

Low-Frequency Transducer

| | |
|---------------------|----------------|
| Diameter | 10 in / 250 mm |
| Voice Coil Diameter | 2 in / 51 mm |
| Magnet Material | Neodymium |

High-Frequency Transducer

| | |
|--------------------|-----------------------|
| Diaphragm Diameter | 1.4 in / 36 mm |
| Diaphragm Material | Heat treated titanium |

Horn Design

| | |
|---------------------|--|
| Type | Conical and Exponential |
| Mouth Size | 11.1 in / 283 mm (W) x 6.1 in / 154 mm (H) |
| Horizontal Coverage | 90° (1 kHz - 20 kHz) |
| Vertical Coverage | 80° (1 kHz - 20 kHz) |

Line Input Power

| | |
|-------------------|---|
| US, JP | 100 - 120 VAC, 50 - 60 Hz |
| EU, UK, AU, CN | 200 - 240 VAC, 50 - 60 Hz |
| AC Connector | 3-pin IEC 250 VAC |
| Power Consumption | 120 watts with musical program and LIMIT LED blinking |

Control System Function

Electronic Crossover, Phase Alignment, Equalization, Parametric EQ

Safety Features

Low-frequency Dynamic Bass Protection, Power Supply, Amplifier Thermal Protection

Construction Features

| | |
|-----------------------|---|
| Basic Design | Asymmetrical Trapezoidal |
| Enclosure Alignment | Sixth-Order |
| Material | Polypropylene |
| Finish | Black, textured finish |
| Handles | One on right side, one on top |
| Grille | Perforated metal with weather-resistant coating |
| Display LEDs | Signal Present, Power ON, and Limit |
| Operating Temperature | -10°C - 45°C 14°F - 113°F |

Physical Properties (packaged product)

| | |
|-----------------|-------------------|
| Height | 21.5 in / 546 mm |
| Width | 13.2 in / 335 mm |
| Depth | 12.4 in / 315 mm |
| Shipping Weight | 28.0 lb / 12.7 kg |

Physical Properties (product)

| | |
|------------|-------------------|
| Height | 20.8 in / 527 mm |
| Width | 13.1 in / 333 mm |
| Depth | 12.3 in / 311 mm |
| Net Weight | 24.0 lb / 10.9 kg |

Mounting Methods

Floor mount, pole mount, or fly via optional bracket

Options

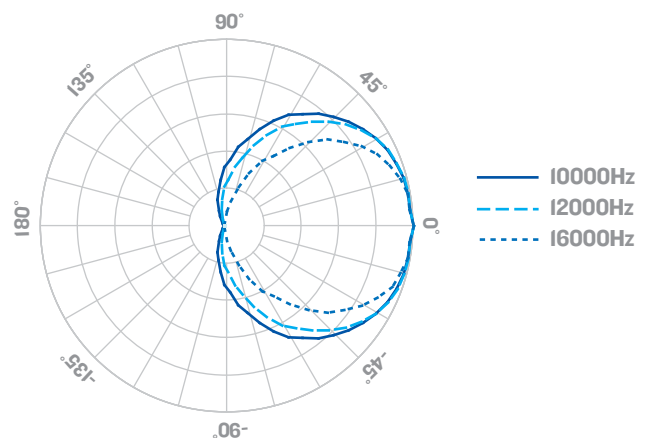
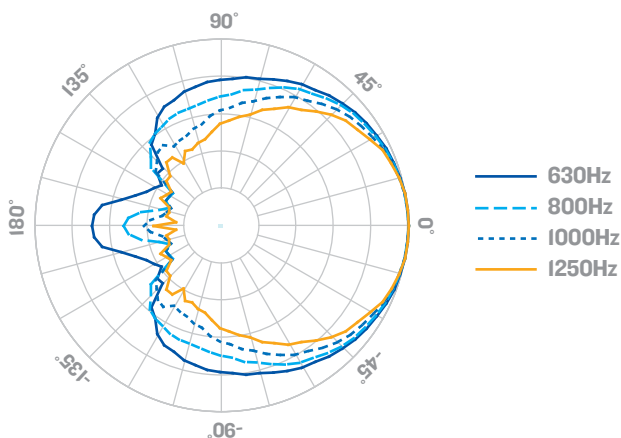
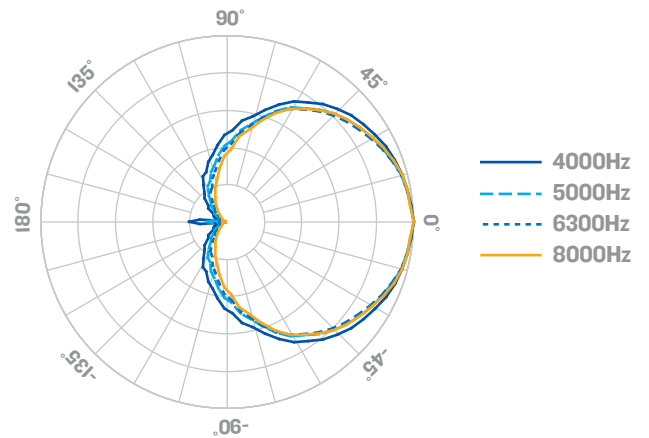
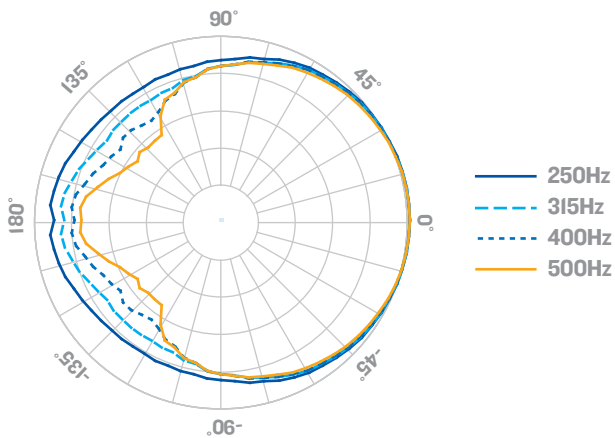
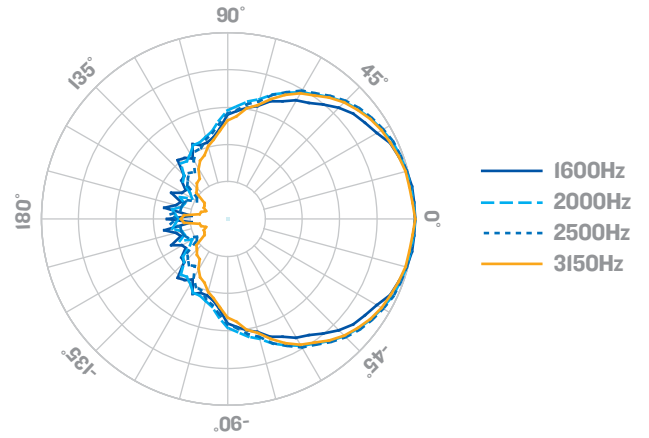
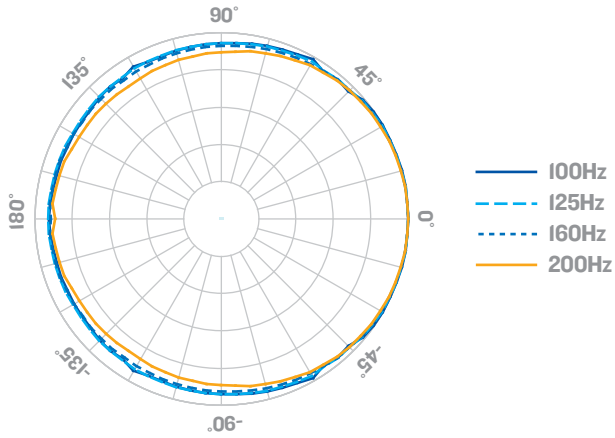
| | |
|-------------------------------|----------------|
| SPM200 Loudspeaker Pole Mount | P/N 2035170-01 |
| SRM350v2 Bracket | P/N 0016404 |

Ordering Information

| | |
|---|----------------|
| SRM350v2 10" 2-way Compact SR Loudspeaker, US | P/N 2033797-00 |
| SRM350v2 10" 2-way Compact SR Loudspeaker, EU | P/N 2033797-01 |
| SRM350v2 10" 2-way Compact SR Loudspeaker, JP | P/N 2033797-02 |
| SRM350v2 10" 2-way Compact SR Loudspeaker, UK | P/N 2033797-03 |
| SRM350v2 10" 2-way Compact SR Loudspeaker, AU | P/N 2033797-04 |
| SRM350v2 10" 2-way Compact SR Loudspeaker, CN | P/N 2033797-05 |

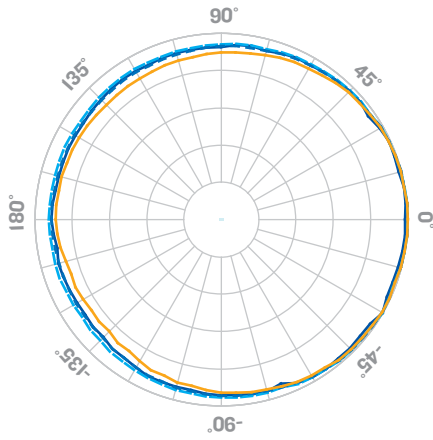
SRM350v2 HORIZONTAL POLARS

Gridlines: 6 dB axial / 15 degrees radial

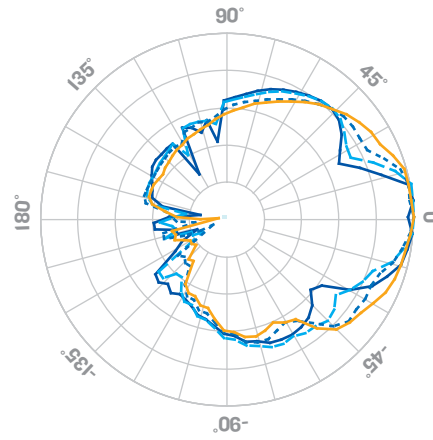


SRM350v2 VERTICAL POLARS

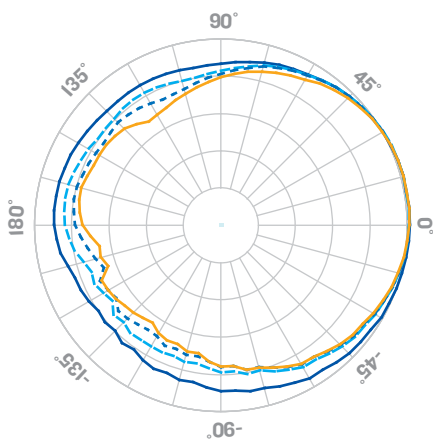
Gridlines: 6 dB axial / 15 degrees radial



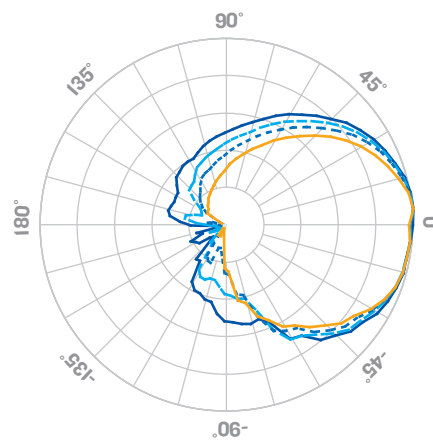
- 100Hz
- 125Hz
- 160Hz
- 200Hz



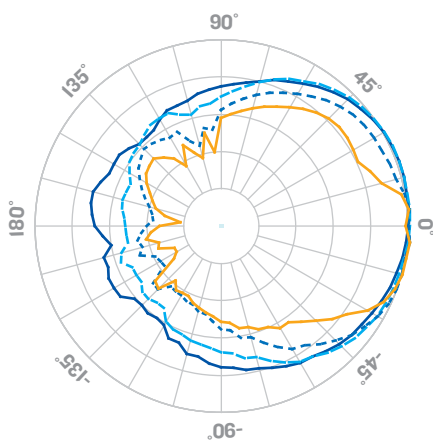
- 1600Hz
- 2000Hz
- 2500Hz
- 3150Hz



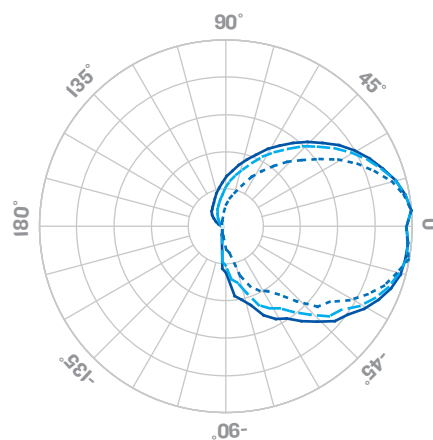
- 250Hz
- 315Hz
- 400Hz
- 500Hz



- 4000Hz
- 5000Hz
- 6300Hz
- 8000Hz

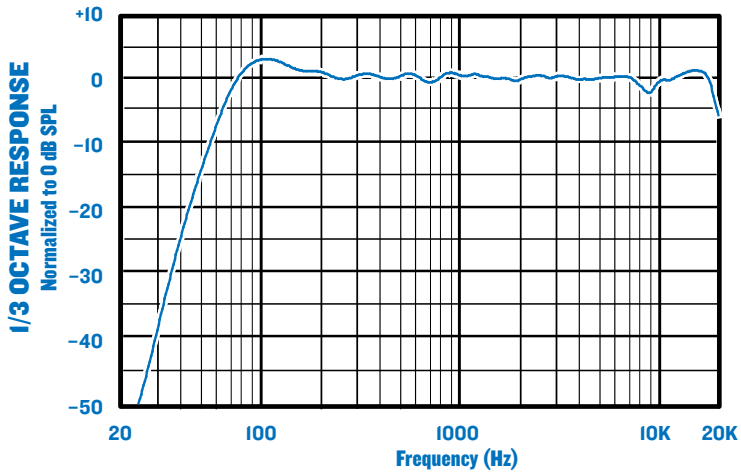


- 630Hz
- 800Hz
- 1000Hz
- 1250Hz

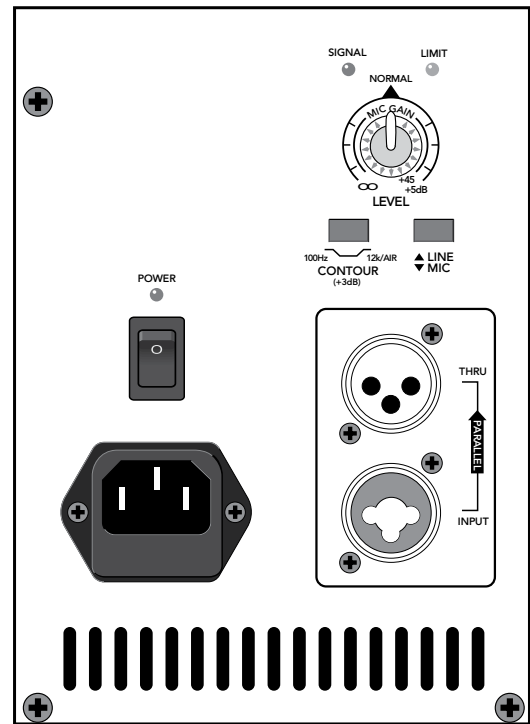


- 10000Hz
- 12000Hz
- 16000Hz

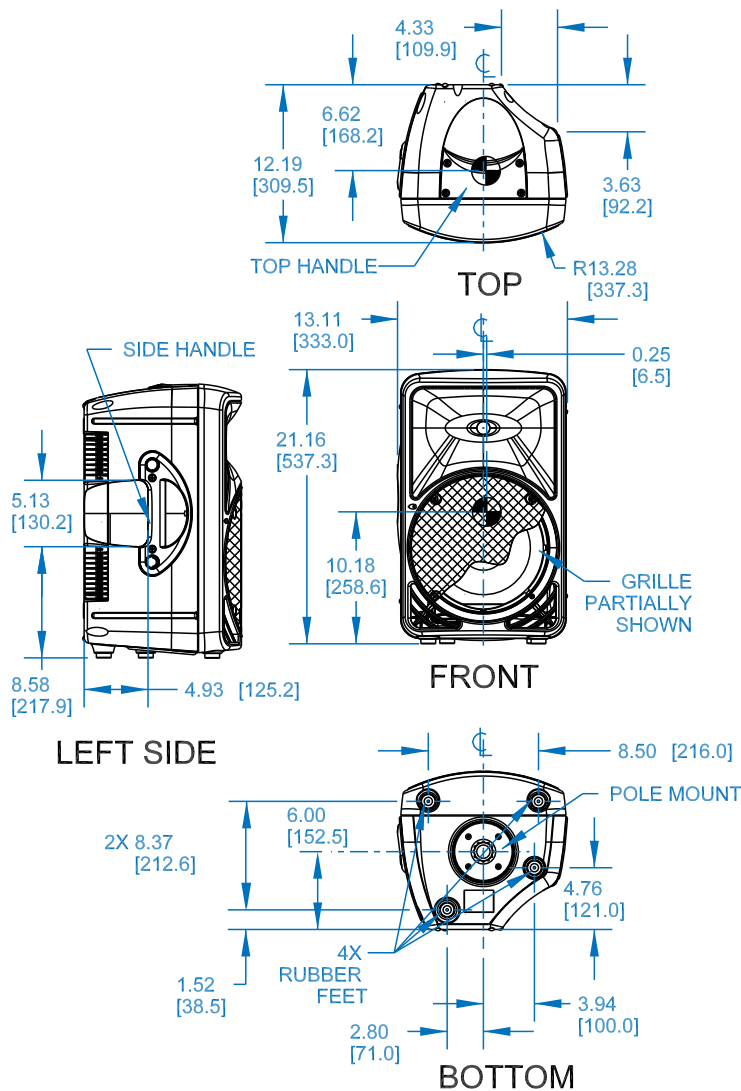
SRM350v2 FREQUENCY RESPONSE



SRM350v2 INPUT PANEL



SRM350v2 DIMENSIONS



NOTES:

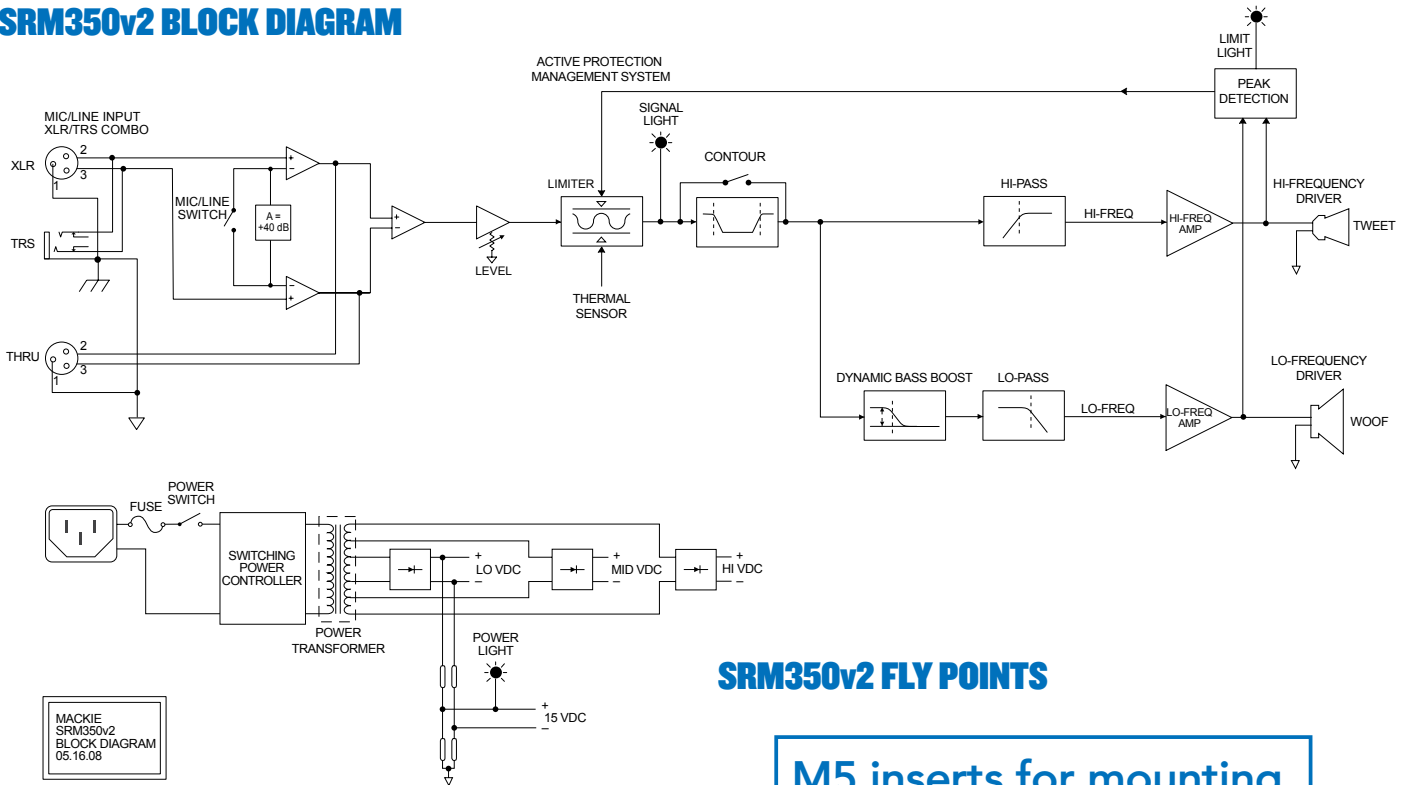
1. SYMBOL INDICATES CENTER OF BALANCE.
2. WEIGHT APPROX. 24.0 lb [10.9 kg].
3. SHIPPING WEIGHT APPROX. 28.0 lb [12.7 kg].

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. DUAL [MM] DIMENSIONS FOR REF ONLY

TOLERANCES
LINEAR ± 0.13 in./ ± 3.3 mm; ANGLES $\pm 1^\circ$
(X.XX) = REF DIMS
NO TOLERANCE IMPLIED

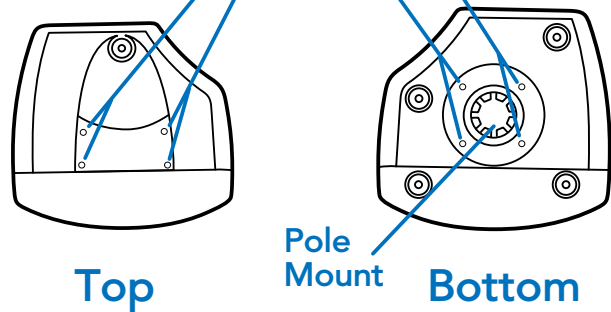
TSC=THEORETICAL SHARP CORNER
DIMENSIONS ACROSS CENTERLINES
TO BE SYMMETRICAL

SRM350v2 BLOCK DIAGRAM



SRM350v2 FLY POINTS

M5 inserts for mounting optional hanging bracket



Electronic files for this product are available at:

www.mackie.com

| | |
|---------------------|-----------------|
| Specification Sheet | SRM350v2_SS.PDF |
| Owner's Manual | SRM350v2_OM.PDF |

MACKIE®

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