

Technical Information

Thump12A / Thump15A Loudspeakers Specifications

Acoustic Performance

| | |
|----------------------------|--|
| Frequency Range (-10dB): | 50 Hz – 23 kHz [Thump12A] 32 Hz – 23 kHz [Thump15A] |
| Frequency Range (-3dB): | 57 Hz – 20 kHz [Thump12A] 39 Hz – 20 kHz [Thump15A] |
| Horizontal Coverage Angle: | 90° |
| Vertical Coverage Angle: | 60° |
| Maximum SPL Peak: | 126 dB [Thump12A] 127 dB [Thump15A] |
| Monitor Angle | 45° |

Transducers

| | |
|-----------------|--|
| Low Frequency: | 12 in / 305 mm [Thump12A] 15 in / 381 mm [Thump15A] with ferrite |
| High Frequency: | 1.4 in / 36 mm Titanium dome compression driver |

Power Amplifiers

| | |
|--------------------------------|-----------------|
| System Power Amplification | |
| Rated Power | 1300 watts peak |
| Low Frequency Power Amplifier | |
| Rated Power: | 1000 watts peak |
| Rated THD | < 1% |
| Cooling | Convection |
| Design: | Class D |
| High Frequency Power Amplifier | |
| Rated Power: | 300 watts peak |
| Rated THD | < 1% |
| Cooling | Convection |
| Design: | Class AB |

Input/Output

| | |
|-----------------------------|---|
| Input Type: | 2x Female XLR Balanced 1/4" Unbalanced |
| Mic-Line Impedance: | 8 k Ω balanced |
| 1/4" TS, Wide-Z™ Impedance: | 1 M Ω unbalanced |
| Mix Out: | Male XLR Balanced |
| Mix Out Impedance: | 600 Ω balanced |
| Main Control: | Rotating knob 0 dB at fully clockwise |
| Sensitivity: | +4 dBu for full output [Main Control at 12:00 / Channel at 12:00] +18 dBu [Main Control at fully clockwise / Channel at 9:00] -35 dBu [Main Control at fully clockwise / Channel at fully CW] |

Electronic Crossover

| | |
|----------------------|--------------|
| Crossover Type: | 24 dB/octave |
| Crossover Frequency: | 2 kHz |

Line Input Power

| | |
|----------------------|--------------------------------|
| Detachable line cord | 100 – 240 VAC, 50 – 60 Hz, 75W |
| AC Connector | 3-pin IEC 250 VAC, 10 A male |
| Power Supply Type | Switchmode |

Safety Features

| | |
|------------------|---|
| Input Protection | Peak and RMS limiting, power supply and amplifier thermal protection |
| Display LEDs | Defeatable front power, input signal/OL, speaker mode, system limiter |

Construction Features

| | |
|------------------------|--|
| Basic Design: | Trapezoidal |
| Material: | Polypropylene |
| Finish: | Black, textured finish |
| Handles: | One on each side, one each on top and bottom |
| Grille: | Perforated metal with weather-resistant coating |
| Display LEDs | |
| Front: | Power ON |
| Rear: | Limit |
| Operating Temperature: | 0 – 40 °C 32 – 104 °F |

Physical Properties

| | |
|------------------|-------------------|
| Thump12A: | |
| Height: | 24.2 in / 615 mm |
| Width: | 14.1 in / 358 mm |
| Depth: | 14.0 in / 356 mm |
| Weight: | 29.1 lb / 13.2 kg |
| Thump15A: | |
| Height: | 27.0 in / 686 mm |
| Width: | 17.4 in / 442 mm |
| Depth: | 14.0 in / 356 mm |
| Weight: | 34.8 lb / 15.8 kg |

Thump Loudspeaker Specifications continued...

Mounting Methods:

Floor mount, pole mount via the built-in socket on the bottom of the cabinet [Be sure the pole is capable of supporting the weight of the Thump loudspeaker]. There are no rigging points and they are NOT suitable for rigging. Do not suspend a Thump loudspeaker by its handles.

Options

| | |
|-------------------------------|----------------|
| Thump12A Speaker Bag | P/N 2047360-09 |
| Thump12A Rolling Speaker Bag | P/N 2047360-10 |
| Thump15A Speaker Bag | P/N 2047360-11 |
| Thump15A Rolling Speaker Bag | P/N 2047360-12 |
| SPM200 Loudspeaker Pole Mount | P/N 2035170-01 |

Disclaimer

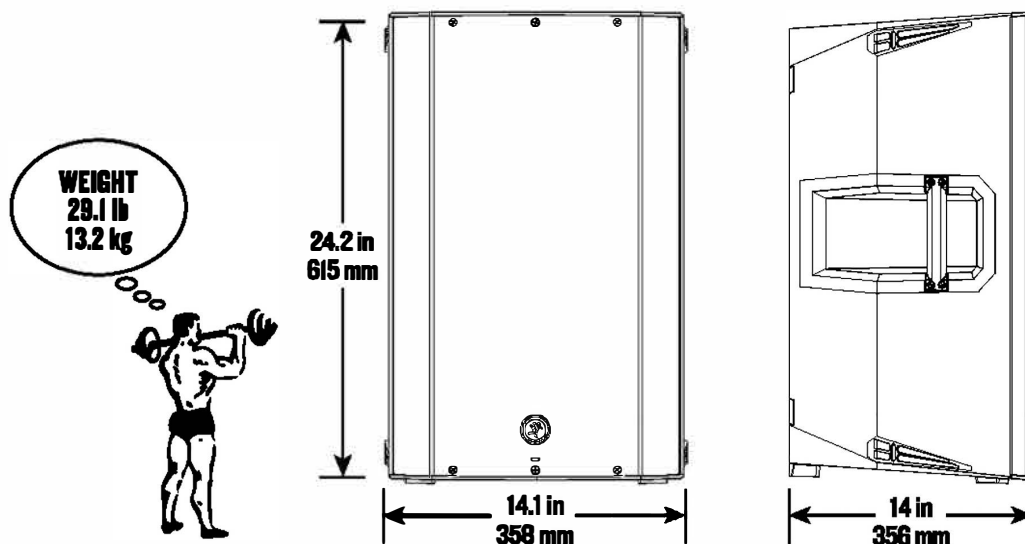
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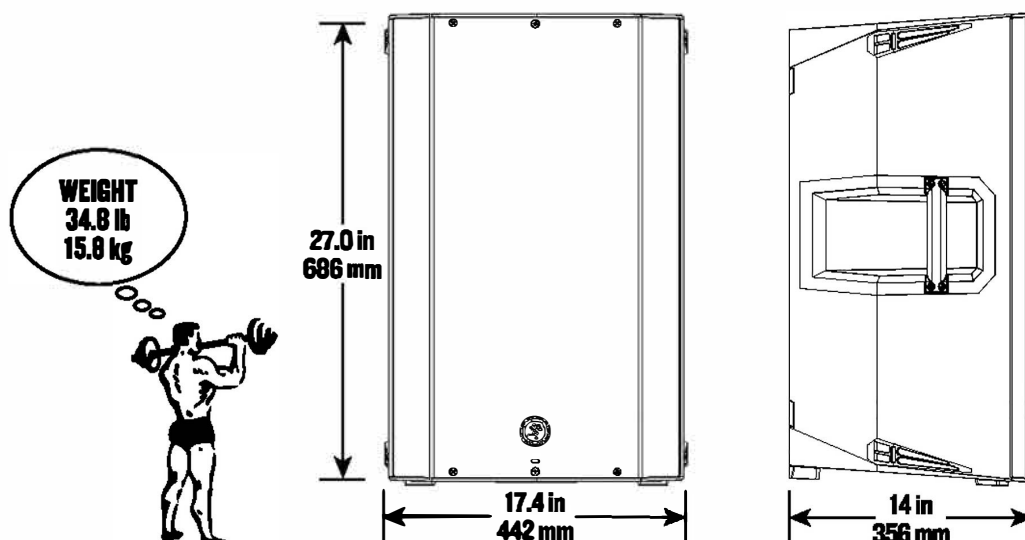
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Thump12A Loudspeaker Dimensions



Thump15A Loudspeaker Dimensions



Thump12A and Thump15A Loudspeaker Frequency Response Legend

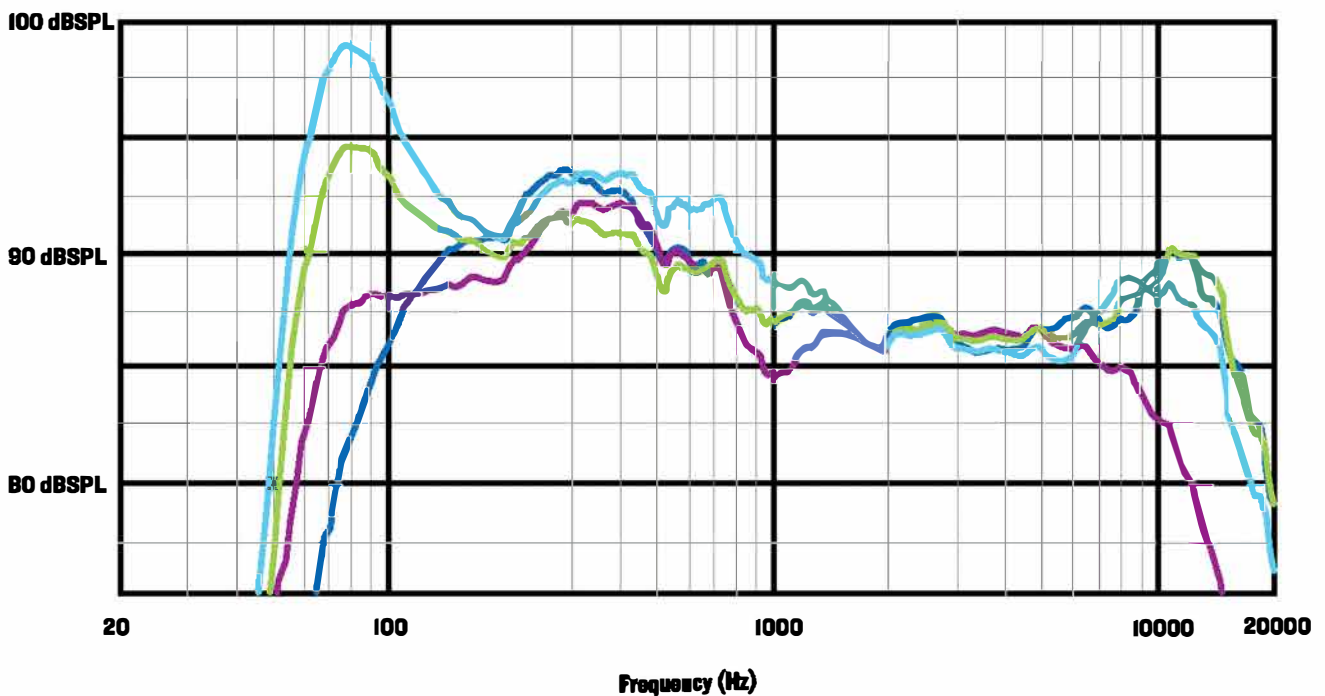
Music Speaker Mode – This mode is full range, but focuses on increased bass and brilliant high frequencies. This is the place to start for most DJ / music playback applications.

Live Speaker Mode – This mode features a low frequency roll-off to get rid of unwanted thumps and adds boost and sparkle to mid-range and high frequencies. This plug-and-play mode is perfect for singer-songwriters.

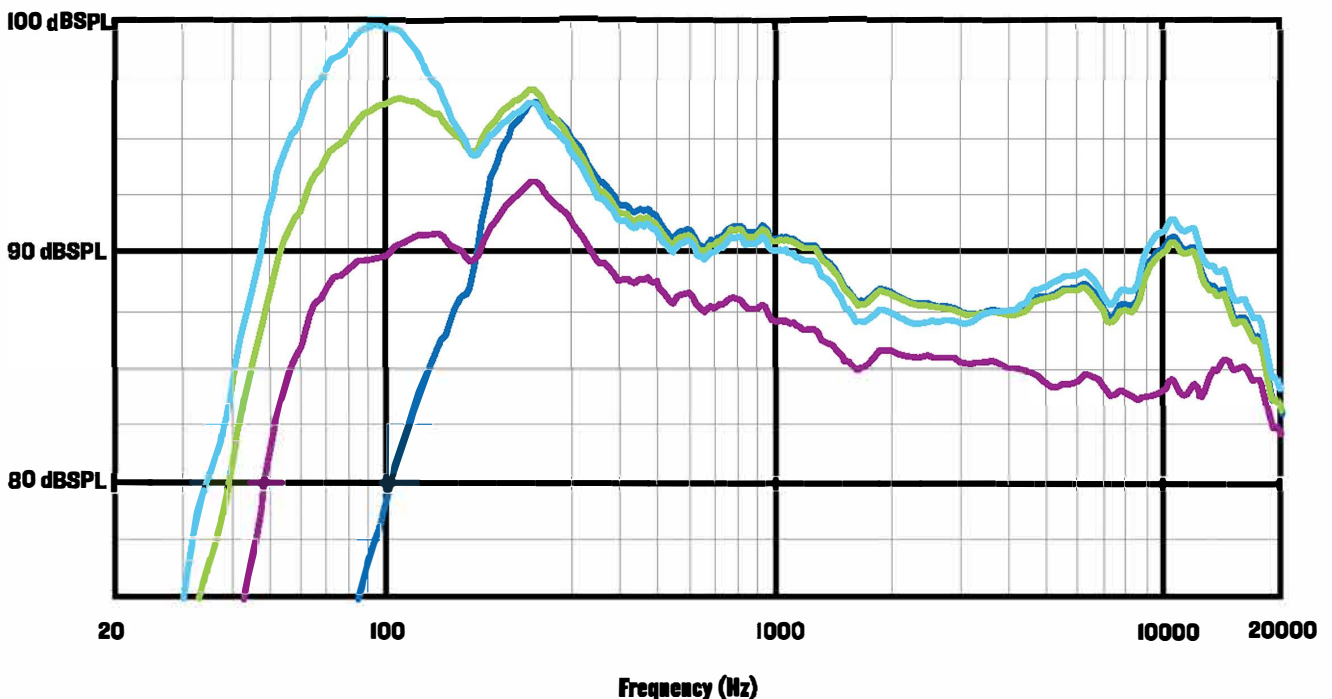
Monitor Speaker Mode – This mode features a low frequency roll-off and a reduction around 2 kHz to ensure maximum gain before feedback in monitor applications.

Sub Speaker Mode – This mode rolls off the low end of the ThumpA loudspeaker to match properly with the Thump18S subwoofer.

Thump12A Loudspeaker Frequency Response



Thump15A Loudspeaker Frequency Response



Thump12A / Thump15A Loudspeakers Block Diagram

