Thump12 and Thump15

Only Thump Powered Loudspeakers deliver the class-leading, chest-thumping low end you deserve. Each Thump loudspeaker delivers 1000 watts of power, providing the high-output you need in a package that’s tough, lightweight and portable.

Designed by the world's leader in portable live sound, Thump loudspeakers offer a 3-band EQ for dialing in the ideal sound. And with a rugged enclosure and robust system protection, you’re more than ready for the next gig.

Delivering real-world power levels, application flexibility and class-leading bass response, you can be confident that Thump loudspeakers offers the best performance for your money.

FEATURES:

■ 1000W Total System Power  
  ■ Gig-ready, high-output design  
  ■ Ultra-efficient Class-D amplification

■ Class-leading, Chest-thumping Low End  
  ■ 12" High-output woofer [Thump12]  
  ■ 15" High-output woofer [Thump15]  
  ■ 1.4" Titanium dome compression driver  
  ■ Dynamic bass response delivers amazing lows at all volumes

■ Total System Optimization  
  ■ Precision 2-way crossover  
  ■ Transducer time alignment  
  ■ System protection / limiting

■ Application Flexible  
  ■ 3-band EQ with sweepable mid to dial in the perfect sound  
  ■ Mic/line input allows direct connection of microphone  
  ■ Flexible mounting options including tripod and pole-mounting  
  ■ Angled design perfect for use as a stage monitor

■ Lightweight and Portable  
  ■ Rugged polypropylene construction designed for heavy use  
  ■ 29.0 lb / 13.2 kg [Thump12]  
  ■ 33.2 lb / 15.1 kg [Thump15]
## THUMP12 / THUMP15 TECH SPECS

### Acoustic Performance

<table>
<thead>
<tr>
<th>Parameter</th>
<th>THUMP12</th>
<th>THUMP15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Response (–3 dB)</td>
<td>57 Hz – 20 kHz</td>
<td>39 Hz – 20 kHz</td>
</tr>
<tr>
<td>Frequency Response (–10 dB)</td>
<td>50 Hz – 23 kHz</td>
<td>32 Hz – 23 kHz</td>
</tr>
<tr>
<td>Horizontal Coverage Angle</td>
<td>90˚</td>
<td></td>
</tr>
<tr>
<td>Vertical Coverage Angle</td>
<td>60˚</td>
<td></td>
</tr>
<tr>
<td>Maximum SPL Peak</td>
<td>125 dB SPL @ 1m</td>
<td>126 dB SPL @ 1m</td>
</tr>
</tbody>
</table>

### High-Frequency Section

<table>
<thead>
<tr>
<th>Parameter</th>
<th>THUMP12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compression Driver</td>
<td>1.4 in / 36 mm</td>
</tr>
<tr>
<td>Diaphragm Material</td>
<td>Titanium</td>
</tr>
<tr>
<td>Magnet Material</td>
<td>Ferrite</td>
</tr>
</tbody>
</table>

### Low-Frequency Section

<table>
<thead>
<tr>
<th>Parameter</th>
<th>THUMP12</th>
<th>THUMP15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Woofer Diameter</td>
<td>12.0 in / 305 mm</td>
<td>15.0 in / 381 mm</td>
</tr>
<tr>
<td>Cone Material</td>
<td>Paper</td>
<td></td>
</tr>
<tr>
<td>Magnet Material</td>
<td>Ferrite</td>
<td></td>
</tr>
</tbody>
</table>

### Power Amplifiers

<table>
<thead>
<tr>
<th>Parameter</th>
<th>THUMP12</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Power Amplification</td>
<td></td>
</tr>
<tr>
<td>Rated Power</td>
<td>500 watts rms</td>
</tr>
<tr>
<td></td>
<td>1000 watts peak</td>
</tr>
<tr>
<td>Low Frequency Power Amplifier</td>
<td></td>
</tr>
<tr>
<td>Rated Power</td>
<td>400 watts rms</td>
</tr>
<tr>
<td></td>
<td>800 watts peak</td>
</tr>
<tr>
<td>Design</td>
<td>Class D</td>
</tr>
<tr>
<td>High Frequency Power Amplifier</td>
<td></td>
</tr>
<tr>
<td>Rated Power</td>
<td>100 watts rms</td>
</tr>
<tr>
<td></td>
<td>200 watts peak</td>
</tr>
<tr>
<td>Design</td>
<td>Class AB</td>
</tr>
</tbody>
</table>

### Input / Output

<table>
<thead>
<tr>
<th>Parameter</th>
<th>THUMP12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Type</td>
<td>Female XLR / 1/4&quot; Balanced</td>
</tr>
<tr>
<td>Input Impedance</td>
<td>20 kΩ balanced bridging;</td>
</tr>
<tr>
<td></td>
<td>10 kΩ unbalanced</td>
</tr>
<tr>
<td>Thru</td>
<td>Male XLR balanced</td>
</tr>
<tr>
<td>Level Control</td>
<td>Rotating Knob</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>+4 dBu for full output</td>
</tr>
<tr>
<td></td>
<td>(Level Control @ Center)</td>
</tr>
<tr>
<td></td>
<td>~36 dBu for full output</td>
</tr>
<tr>
<td></td>
<td>(Level Control @ Max)</td>
</tr>
</tbody>
</table>

### Electronic Crossover

<table>
<thead>
<tr>
<th>Parameter</th>
<th>THUMP12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crossover Type</td>
<td>24 dB/octave</td>
</tr>
<tr>
<td>Crossover Frequency</td>
<td>3 kHz</td>
</tr>
</tbody>
</table>

### Equalization

<table>
<thead>
<tr>
<th>Parameter</th>
<th>THUMP12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Frequency EQ</td>
<td>±6 dB @ 80 Hz, shelving</td>
</tr>
<tr>
<td>Mid Frequency EQ</td>
<td>±6 dB sweepable from</td>
</tr>
<tr>
<td></td>
<td>100 Hz to 8 kHz</td>
</tr>
<tr>
<td>High Frequency EQ</td>
<td>±6 dB @ 12 kHz, shelving</td>
</tr>
</tbody>
</table>

### Power

<table>
<thead>
<tr>
<th>Parameter</th>
<th>THUMP12</th>
</tr>
</thead>
<tbody>
<tr>
<td>US detachable line cord</td>
<td>100 – 120 VAC, 50 – 60 Hz, 130W</td>
</tr>
<tr>
<td>EU detachable line cord</td>
<td>220 – 240 VAC, 50 – 60 Hz, 130W</td>
</tr>
<tr>
<td>AC Connector</td>
<td>3-pin IEC 250 VAC, 10 A male</td>
</tr>
<tr>
<td>Power Supply Type</td>
<td>Switchmode</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 - 40 °C</td>
</tr>
<tr>
<td>[extended ambient temperature]</td>
<td>32 - 104 °F</td>
</tr>
</tbody>
</table>

### Safety Features

<table>
<thead>
<tr>
<th>Parameter</th>
<th>THUMP12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Protection</td>
<td>Peak and RMS limiting,</td>
</tr>
<tr>
<td></td>
<td>power supply and</td>
</tr>
<tr>
<td></td>
<td>amplifier thermal protection</td>
</tr>
<tr>
<td>Display LEDs</td>
<td>Front / rear power ON,</td>
</tr>
<tr>
<td></td>
<td>Rear OL (Overload)</td>
</tr>
</tbody>
</table>
THUMP12 / THUMP15 TECH SPECS CONTINUED...

**Construction Features**

- **Basic Design**: Trapezoidal
- **Cabinet**: Polypropylene
- **Finish**: Textured
- **Handles**: One on each side, one on top
- **Grille**: Perforated metal with weather-resistant coating
- **Monitor Angle**: 50˚ [Thump12] 45˚ [Thump15]

**Mounting Methods**

Pole-mountable 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.

**Physical Properties (packaged product)**

**Thump12**
- Height: 25.0 in / 635 mm
- Width: 15.2 in / 386 mm
- Depth: 13.2 in / 335 mm
- Weight: 32 lb / 14.5 kg

**Thump15**
- Height: 29.0 in / 737 mm
- Width: 17.5 in / 445 mm
- Depth: 17.0 in / 432 mm
- Weight: 36.0 lb / 16.3 kg

**Physical Properties (product)**

**Thump12**
- Height: 23.5 in / 596 mm
- Width: 14.5 in / 367 mm
- Depth: 12.4 in / 314 mm
- Weight: 29.0 lb / 13.2 kg

**Thump15**
- Height: 27.6 in / 702 mm
- Width: 16.8 in / 427 mm
- Depth: 15.5 in / 394 mm
- Weight: 33.2 lb / 15.1 kg

**Options**

- SPM200 Loudspeaker Pole Mount  
  P/N 2035170-01
- Thump12 Loudspeaker Bag  
  P/N 2036809-07
- Thump15 Loudspeaker Bag  
  P/N 2036809-06

**Ordering Information**

- Thump12 1000W 12” Powered Loudspeaker, US  
  P/N 2042230-00
- Thump12 1000W 12” Powered Loudspeaker, EU  
  P/N 2042230-01
- Thump12 1000W 12” Powered Loudspeaker, UK  
  P/N 2042230-03
- Thump12 1000W 12” Powered Loudspeaker, AU  
  P/N 2042230-04
- Thump12 1000W 12” Powered Loudspeaker, CN  
  P/N 2042230-05
- Thump12 1000W 12” Powered Loudspeaker, BZ (120V)  
  P/N 2042230-06
- Thump12 1000W 12” Powered Loudspeaker, BZ (230V)  
  P/N 2042230-16
- Thump15 1000W 15” Powered Loudspeaker, US  
  P/N 2042231-00
- Thump15 1000W 15” Powered Loudspeaker, EU  
  P/N 2042231-01
- Thump15 1000W 15” Powered Loudspeaker, UK  
  P/N 2042231-03
- Thump15 1000W 15” Powered Loudspeaker, AU  
  P/N 2042231-04
- Thump15 1000W 15” Powered Loudspeaker, CN  
  P/N 2042231-05
- Thump15 1000W 15” Powered Loudspeaker, BZ (120V)  
  P/N 2042231-06
- Thump15 1000W 15” Powered Loudspeaker, BZ (230V)  
  P/N 2042231-16
THUMP12 LOUDSPEAKER DIMENSIONS

NOTES:
1. SYMBOL 
   INDICATES CENTER OF BALANCE.
2. WEIGHT APPROX. 29.0 lb [13.2 kg].
3. SHIPPING WEIGHT APPROX. 32 lb [14.5 kg].

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UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE IN INCHES
DUAL [MM] DIMENSIONS FOR REF ONLY
TOLERANCE IN INCHES
LINEAR ± 0.13 in / ± 3.3 mm
ANGLES ± 1°
(X.XX) = REF DIMS
NO TOLERANCE IMPLIED
TSC = THEORETICAL SHARP CORNER
DIMENSIONS ACROSS CENTERLINES TO BE SYMMETRICAL

THIRD ANGLE PROJECTION

FRONT

SIDE

TOP

BOTTOM
THUMP15 LOUDSPEAKER DIMENSIONS

NOTES:
1. SYMBOL ◦ INDICATES CENTER OF BALANCE.
2. WEIGHT APPROX. 33.2 lb [15.1 kg].
3. SHIPPING WEIGHT APPROX. 36 lb [16.3 kg].

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE IN INCHES
DUAL [MM] DIMENSIONS
FOR REF ONLY
TOLERANCE IN INCHES
LINEAR ± 0.13 in / ± 3.3 mm
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THIRD ANGLE PROJECTION

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FRONT

SIDE

TOP

BOTTOM
THUMP12 / THUMP15 LOUDSPEAKER REAR PANEL

THUMP12 / THUMP15 LOUDSPEAKER REAR PANEL

THUMP12
1000W 12" POWERED LOUDSPEAKER

THUMP15
1000W 15" POWERED LOUDSPEAKER

PA [ ] [ ] [ ] [ ] DJ
MON [ ] [ ] [ ] [ ] SPEECH

SUGGESTED EQ SETTINGS

PA [ ] [ ] [ ] [ ] DJ
MON [ ] [ ] [ ] [ ] SPEECH

SUGGESTED EQ SETTINGS

POWER

POWER
THUMP12 / THUMP15 BLOCK DIAGRAM
THUMP12 LOUDSPEAKER FREQUENCY RESPONSE

![Graph showing the frequency response of THUMP12 loudspeakers.](image)

THUMP15 LOUDSPEAKER FREQUENCY RESPONSE

![Graph showing the frequency response of THUMP15 loudspeakers.](image)

LOUD Technologies Inc. is always striving to improve our products by incorporating new and improved materials, components, and manufacturing methods. Therefore, we reserve the right to change these specifications at any time without notice.

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Electronic files for this product are available at:
www.mackie.com

Specification Sheet  Thump12_Thump15_SS.PDF
Owner's Manual  Thump12_Thump15_OM.PDF