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## Mackie THUMP15A

# Mackie Thump15A 1300W 15-Inch Powered Speaker Instruction Manual

Model: THUMP15A

## 1. INTRODUCTION AND OVERVIEW

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The Mackie Thump15A is a 1300-watt, 15-inch powered loudspeaker designed to deliver robust audio performance. This speaker features a built-in 2-channel Wide-Z mixer and application-specific speaker modes, making setup straightforward for various uses. Its professional enclosure and robust system protection ensure reliability for live sound and mobile applications.



Figure 1: Front view of the Mackie Thump15A powered speaker, showcasing its durable grille and compact design.

Video 1: An overview of the Mackie THUMP Powered Loudspeakers, highlighting key features and design aspects.

## 2. KEY FEATURES

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- **1300-Watt Power:** High-performance 2-way powered loudspeaker for clear and powerful sound.
- **15-Inch Low-Frequency Driver:** Delivers robust and deep bass response.
- **1.4-Inch Titanium Dome Compression Driver:** Provides crisp and clear high-frequency reproduction.
- **Built-in 2-Channel Wide-Z Mixer:** Features Vita preamps with Wide-Z technology for handling microphone, line, and instrument signals.

- **Application-Specific Speaker Modes:** Four preset voicing modes (Music, Live, Monitor, Sub) to optimize sound for different uses.
- **Robust System Protection:** Equipped with next-generation system protection and thermal limiting to ensure reliable operation.
- **Portable Design:** Professional enclosure with multiple handles for easy transport and setup.

## 3. SETUP

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### 3.1 Unpacking

Carefully remove the Thump15A speaker from its packaging. Inspect the unit for any signs of damage during transit. Retain the packaging for future transport or storage.

### 3.2 Placement

The Thump15A offers flexible mounting options to suit various environments:

- **Tripod Mounting:** Use a standard tripod speaker stand for elevated sound projection.
- **Pole-Mounting:** The speaker can be mounted on a pole above a subwoofer.
- **Floor Monitor:** The cabinet design allows for use as a floor monitor, angled towards the performer.



Figure 2: The Mackie Thump15A speaker positioned as a floor monitor, demonstrating its versatile cabinet design.

### 3.3 Power Connection

Connect the provided power cable to the AC inlet on the rear panel of the speaker. Ensure the power switch is in the 'OFF' position before connecting to a power outlet. The Thump15A supports 100-240VAC, 50/60 Hz power input.

## 4. CONTROLS AND CONNECTIONS

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The rear panel of the Thump15A provides all necessary controls and input/output connections.



Figure 3: Detailed view of the Mackie Thump15A rear panel, showing input/output jacks, gain controls, and speaker mode selection.

#### 4.1 Input Channels (CH1, CH2)

The Thump15A features two input channels, each with a combo XLR/TRS jack. These inputs are equipped with Wide-Z technology, allowing them to accept a wide range of signal levels from microphones, line-level devices, and instruments without requiring additional preamps or DI boxes.

- **Gain Control:** Each channel has an independent gain knob to adjust the input level.

#### 4.2 Mix Out

An XLR Mix Out connector is provided to send the combined signal from both input channels to another Thump speaker, a mixer, or a recording device. This allows for easy expansion of your sound system.

#### 4.3 Main Volume

The Main volume knob controls the overall output level of the Thump15A speaker.

### 5. OPERATING INSTRUCTIONS

## 5.1 Speaker Modes

The Thump15A includes four application-specific voicing modes to optimize the speaker's performance for different uses. Use the 'Speaker Mode' button to cycle through these options:

- **Music:** Optimized for general music playback, providing a balanced frequency response.
- **Live:** Tailored for live performances with vocals and instruments, offering enhanced clarity.
- **Monitor:** Designed for use as a stage monitor, providing a clear and focused sound for performers.
- **Sub:** Engages a high-pass filter, making the speaker suitable for use with an external subwoofer.

Video 2: Learn about the features and benefits of the Mackie Thump 12A and 15A, including speaker modes and connectivity.

## 5.2 Thermal Limiting and System Protection

The Thump15A incorporates advanced system protection and thermal limiting to prevent damage from overheating or excessive signal levels. The 'LIMIT' LED on the rear panel will illuminate when the limiter is active, indicating that the speaker is operating at its maximum safe output. Reduce the input or main volume if this LED is constantly lit.

## 6. MOUNTING OPTIONS

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The Thump15A is designed for versatile placement to optimize sound dispersion in any venue.



Figure 4: Side view of the Mackie Thump15A speaker, highlighting the integrated handle for easy transport and positioning.

- **Tripod/Pole Mount:** The bottom of the speaker features a standard pole-mount socket for use with speaker stands or poles.
- **Floor Monitor:** The cabinet's angled design allows it to be placed on its side for use as a stage monitor, directing sound towards performers.

## 7. SPECIFICATIONS

Brand	Mackie
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<b>Model Name</b>	Thump15A
<b>Speaker Type</b>	PA Speaker
<b>Output Wattage</b>	1300 Watts
<b>Woofers Diameter</b>	15 Inches
<b>Tweeter Diameter</b>	1.4 Inches
<b>Connectivity Technology</b>	(1) Combo XLR/TRS per channel
<b>Audio Output Mode</b>	Stereo (via Mix Out)
<b>Product Dimensions</b>	14"D x 17.4"W x 27"H
<b>Item Weight</b>	40 Pounds
<b>Power Source</b>	Corded Electric
<b>Material</b>	Stainless Steel (grille), Composite (cabinet)
<b>Speaker Amplification Type</b>	Active

## 8. MAINTENANCE

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To ensure the longevity and optimal performance of your Mackie Thump15A speaker, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the cabinet with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Storage:** When not in use, store the speaker in a dry, temperature-controlled environment. If transporting, use appropriate covers or cases to protect against physical damage.
- **Ventilation:** Ensure adequate airflow around the rear panel to prevent overheating. Do not block ventilation openings.
- **Cable Management:** Securely route all cables to prevent tripping hazards and accidental disconnections.

## 9. TROUBLESHOOTING

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If you encounter issues with your Thump15A speaker, refer to the following common troubleshooting steps:

- **No Power:** Check the power cable connection, ensure the power switch is on, and verify the power outlet is functional.
- **No Sound:** Verify all input cables are correctly connected. Check gain and main volume levels. Ensure the audio source is active and sending a signal.
- **Distorted Sound:** Reduce the input gain or main volume. Check if the 'LIMIT' LED is constantly lit. Ensure the audio source signal is not distorted.
- **Hum or Buzz:** Check for ground loops. Ensure all cables are properly shielded and connected. Try using balanced cables.

## 10. WARRANTY AND SUPPORT

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The Mackie Thump15A comes with a Full Warranty. For detailed warranty information, including terms, conditions, and registration, please refer to the warranty card included with your product or visit the official Mackie website. For technical support, service, or replacement parts, contact Mackie customer service through their official channels.

