

AtlasIED SMA-15

Atlas Sound SMA-15 15" 2-Way Powered Portable Loudspeaker

User Manual

Model: SMA-15 | Brand: AtlasIED

1. INTRODUCTION

The Atlas Sound SMA-15 is a high-performance 15-inch 2-way powered portable loudspeaker designed for a wide range of applications including rental/staging, DJ events, houses of worship, public speaking engagements, schools, and other scenarios where a fixed installation is not required. This manual provides essential information for the safe and effective operation, setup, and maintenance of your SMA-15 loudspeaker.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the SMA-15 loudspeaker. Retain this manual for future reference.

- **Power Source:** Connect the unit only to the specified power supply (Corded Electric). Ensure the voltage matches the unit's requirements.
- **Ventilation:** Do not block any ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Water and Moisture:** Do not expose the unit to rain or moisture. This product is not waterproof.
- **Heat:** Keep the unit away from heat sources. The rear panel can become a **HOT SURFACE!** during operation.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Placement:** Ensure the loudspeaker is placed on a stable, level surface or securely mounted using the integral pole socket.
- **Cables:** Route all power and audio cables safely to prevent tripping hazards and damage.

3. PACKAGE CONTENTS

Carefully unpack your SMA-15 loudspeaker and check that all items are present and in good condition. If any items are missing or damaged, contact your dealer immediately.

- Atlas Sound SMA-15 Powered Loudspeaker (1 unit)

- AC Power Cord
- User Manual (this document)

4. PRODUCT OVERVIEW

The SMA-15 features a robust injection-molded polypropylene enclosure housing a 15-inch die-cast low-frequency driver and a high-performance, high-frequency compression driver. It includes an integrated 250-watt RMS amplifier.



Figure 4.1: Front view of the SMA-15 loudspeaker, showing the protective grille covering the 15-inch woofer and the high-frequency driver horn.



Figure 4.2: Rear panel of the SMA-15, detailing the various input/output connections and control knobs for microphone and line inputs, including gain, low, mid, and high band adjustments.

Rear Panel Connections and Controls:

- **Mic In (XLR):** Input for connecting a microphone.
- **Line In (XLR):** Input for connecting line-level audio sources (e.g., mixer, instrument).
- **Line In (RCA):** Dual RCA inputs for additional line-level audio sources.
- **Line Out (XLR):** Output for connecting to another powered speaker (e.g., a second SMA speaker) to share the input signal.
- **Amp Out (Speak-ON):** Output for connecting a passive SMP speaker model.
- **Gain Controls:** Independent gain controls for Mic In and Line In.
- **EQ Controls:** Separate Low, Mid, and High band controls for Microphone input; Low and High band controls for Line input.
- **AC Inlet:** Power connection.

- **Power Switch:** On/Off switch for the unit.

5. SETUP

Follow these steps for initial setup of your SMA-15 loudspeaker:

1. **Placement:** Position the loudspeaker on a stable, flat surface or mount it on a standard 1-3/8 inch speaker pole using the integral pole socket. Ensure the location is free from obstructions and provides adequate ventilation.
2. **Power Connection:** Ensure the power switch on the rear panel is in the 'OFF' position. Connect the supplied AC power cord to the AC Inlet on the rear panel and then to a suitable electrical outlet.
3. **Audio Input Connection:**
 - For microphones, connect an XLR cable from your microphone to the 'Mic In' XLR input.
 - For line-level sources (e.g., mixer, CD player), connect an XLR cable to the 'Line In' XLR input or RCA cables to the 'Line In' RCA inputs.
4. **Output Connection (Optional):**
 - To connect a second SMA speaker, use an XLR cable from the 'Line Out' XLR of the first SMA-15 to the 'Line In' XLR of the second unit.
 - To power a passive SMP speaker, connect a Speak-ON cable from the 'Amp Out' Speak-ON of the SMA-15 to the input of the SMP speaker.
5. **Initial Control Settings:** Before powering on, set all Gain and EQ controls to their minimum (fully counter-clockwise) positions.

6. OPERATING

Once the SMA-15 is set up, follow these steps to begin operation:

1. **Power On:** Flip the 'Power' switch on the rear panel to the 'ON' position. The power indicator light should illuminate.
2. **Adjust Input Gain:** Slowly increase the 'Gain' control for the connected input (Mic or Line) until the desired volume level is achieved without distortion. If using a microphone, speak into it at your normal volume while adjusting.
3. **Adjust EQ:** Use the 'Low', 'Mid' (for Mic), and 'High' band controls to fine-tune the sound to your preference and the acoustic environment. These controls allow you to maximize the sound quality of your source.
4. **System Expansion:** If connecting a second SMA speaker via 'Line Out', ensure the second speaker is also powered on and its 'Line In' gain is adjusted appropriately. If powering a passive SMP speaker, ensure it is correctly connected to the 'Amp Out'.
5. **Crossover Information:** The SMA-15 features a -6dB crossover point at 1575Hz. The high-pass crossover section is equipped with a Polymeric Positive Temperature Coefficient (PPTC) resettable switch, which protects the high-frequency driver from damage due to excessive power.
6. **Power Off:** Before disconnecting power or inputs, turn down all gain controls and then switch the 'Power' switch to 'OFF'.

7. MAINTENANCE

Proper maintenance will ensure the longevity and optimal performance of your SMA-15 loudspeaker.

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe down the exterior of the unit. Do not use abrasive cleaners, waxes, or solvents.
- **Ventilation:** Regularly check that the ventilation openings are clear of dust and debris.

- **Storage:** When not in use for extended periods, store the loudspeaker in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Protection:** The built-in PPTC resettable switch for the high-frequency driver will automatically reset after a fault condition (e.g., excessive power). If the high-frequency driver cuts out, reduce the input level and allow the unit to cool before resuming operation.

8. TROUBLESHOOTING

If you encounter issues with your SMA-15, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound output	Power not connected or unit off Input gain too low Source device not sending signal Cables faulty or incorrectly connected	Check power connection and switch Increase input gain Verify source device is on and playing Check and replace cables if necessary
Distorted sound	Input gain too high Source signal too strong Damaged speaker component	Reduce input gain Lower output level from source device Contact qualified service personnel
High-frequency driver cuts out	Excessive power input (PPTC activated)	Reduce input level and allow unit to cool. The PPTC switch will reset automatically.

9. SPECIFICATIONS

Model Number	SMA-15
Brand	AtlasIED
Speaker Type	2-Way Powered Loudspeaker
Woofer Diameter	15 Inches
Amplifier Power	250 Watts RMS (Integrated)
Crossover Point	1575Hz (-6dB)
Connectivity Technology	XLR, RCA, Speak-ON
Inputs	XLR Mic In, XLR Line In, Dual RCA Line In
Outputs	XLR Line Out, Speak-ON Amp Out
Power Source	Corded Electric
Mounting Type	Freestanding, Pole Mount (Integral 1-3/8" socket)
Enclosure Material	Injection Molded Polypropylene

Package Dimensions	27 x 16 x 14 inches
ASIN	B01LX04ORJ
UPC	612079190263, 632930330034
Date First Available	January 24, 2015

10. WARRANTY AND SUPPORT

AtlasIED products are manufactured to high standards and are designed for reliable performance. For specific warranty information regarding your SMA-15 loudspeaker, please refer to the warranty card included with your purchase or visit the official AtlasIED website. For technical support, service, or parts, please contact AtlasIED customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

AtlasIED Contact Information: Please refer to the official AtlasIED website or product packaging for the most current contact details.

© 2024 AtlasIED. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question