

PURE ACOUSTICS SUPERNOVA-S

PURE ACOUSTICS Supernova-S 5.25" 2-Way Series Speakers User Manual

Model: SUPERNOVA-S

1. INTRODUCTION

Thank you for choosing PURE ACOUSTICS Supernova-S 5.25" 2-Way Series Speakers. These speakers are designed to deliver powerful and realistic sound reproduction for your home audio system. This manual provides essential information for proper setup, operation, and maintenance to ensure optimal performance and longevity of your speakers.

2. SAFETY INFORMATION

- **Placement:** Place speakers on a stable, level surface to prevent accidental falls. Avoid placing them near heat sources, direct sunlight, or in areas with high humidity.
- **Ventilation:** Ensure adequate air circulation around the speakers. Do not block ventilation openings.
- **Power Handling:** Do not exceed the recommended power handling capacity (150W RMS, 250W Max) to prevent damage to the speakers or connected amplifier.
- **Wiring:** Always ensure correct polarity when connecting speaker wires to avoid phase issues and potential damage. Turn off all audio equipment before making connections.
- **Cleaning:** Disconnect speakers from power before cleaning. Use a soft, dry cloth. Avoid liquid cleaners or abrasive materials.
- **Servicing:** Do not attempt to service these speakers yourself. Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Carefully unpack your speakers and verify that all items are present:

- PURE ACOUSTICS Supernova-S 5.25" 2-Way Series Speakers with Lacquer Baffle (2 units)

4. PRODUCT FEATURES

The Supernova-S speakers incorporate advanced design elements for superior audio performance:

- 250W Max, 150W RMS Power Handling
- 5.25" High-efficiency Woofer designed for extended strength and flexibility
- 1" Black, Oil-cooled Silk Dome Tweeter with Neodymium Magnet for clear high-frequency reproduction
- Frequency Response: 65Hz-20kHz
- Sensitivity: 89dB

5. SETUP

5.1 Speaker Placement

Optimal speaker placement is crucial for sound quality. Consider the following:

- **Stereo Setup:** For a 2-channel stereo system, place the speakers equidistant from your primary listening position, forming an equilateral triangle.
- **Surround Sound:** If used as surround speakers, position them to the sides or slightly behind the listening area, typically at or slightly above ear level when seated.
- **Room Acoustics:** Experiment with distance from walls. Placing speakers too close to walls can overemphasize bass, while too far can reduce bass impact.

5.2 Connecting to an Amplifier/Receiver

Before making any connections, ensure your amplifier/receiver is turned off and unplugged from the power outlet.

1. **Prepare Speaker Wire:** Strip approximately 1/2 inch (1.25 cm) of insulation from the ends of your speaker wires. Twist the bare strands tightly.
2. **Identify Polarity:** Speaker wires are typically marked to indicate polarity (e.g., a stripe, ridge, or different color wire). Connect the positive (+) terminal on the speaker (red) to the positive (+) terminal on your amplifier/receiver. Connect the negative (-) terminal on the speaker (black) to the negative (-) terminal on your amplifier/receiver. Maintaining correct polarity for both speakers is essential for proper sound imaging.
3. **Secure Connections:** Insert the bare wire into the binding posts on the back of each speaker and your amplifier/receiver, then tighten the posts securely. Ensure no stray wire strands are touching other terminals, which could cause a short circuit.



Image: PURE ACOUSTICS Supernova-S 5.25 inch 2-Way Series Speaker. This image displays the front of the speaker with the grille removed, highlighting the 5.25-inch woofer and the 1-inch silk dome tweeter.

6. OPERATING INSTRUCTIONS

Once connected, your Supernova-S speakers operate in conjunction with your amplifier or receiver. Follow the operating instructions for your specific audio equipment.

- **Power On:** Turn on your amplifier/receiver first, then any other audio sources.
- **Volume Control:** Start with the volume at a low level and gradually increase it to a comfortable listening level. Avoid excessively high volumes that cause distortion.
- **Source Selection:** Select the desired audio input on your amplifier/receiver.
- **Break-in Period:** New speakers may benefit from a 'break-in' period of several hours of normal use to allow the drivers to loosen up and achieve their optimal sound characteristics.

7. MAINTENANCE

Proper care will help maintain the appearance and performance of your speakers.

- **Cleaning Cabinets:** Use a soft, dry, lint-free cloth to wipe the speaker cabinets. For stubborn marks, a slightly damp cloth can be used, followed immediately by a dry cloth. Avoid harsh chemicals or abrasive cleaners.
- **Cleaning Grilles:** If your speakers have removable grilles, gently vacuum them with a soft brush attachment to remove dust.
- **Dusting Drivers:** Avoid touching the speaker cones (woofer and tweeter) directly. Use a soft brush or compressed air from a distance to gently remove dust if necessary.
- **Storage:** If storing speakers for an extended period, keep them in a cool, dry place, ideally in their original packaging or covered to protect from dust and physical damage.

8. TROUBLESHOOTING

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

- **No Sound from Speakers:**
 - Check all speaker wire connections at both the speaker and amplifier/receiver. Ensure they are secure and correct polarity is maintained.
 - Verify the amplifier/receiver is powered on and the correct input source is selected.
 - Check the volume level on your amplifier/receiver.
 - Ensure the amplifier/receiver is not in 'mute' or 'standby' mode.
- **Distorted Sound:**
 - Reduce the volume level on your amplifier/receiver. Distortion often occurs when the amplifier is overdriven.
 - Check speaker wire connections for loose strands or short circuits.
 - Ensure the amplifier's power output matches the speaker's power handling capabilities.
 - Inspect speaker cones for any visible damage.
- **Uneven Sound or Poor Imaging:**
 - Verify that both speakers are connected with correct polarity. Incorrect polarity on one speaker will cause phase cancellation.
 - Check speaker placement to ensure they are symmetrically positioned relative to the listening area.

If these steps do not resolve the issue, consult the user manual for your amplifier/receiver or contact PURE ACOUSTICS customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	PURE ACOUSTICS
Model Name	Supernova S
Speaker Type	Surround
Recommended Uses	Home Theater
Woofer Diameter	5.25 Inches

Feature	Specification
Surround Sound Channel Configuration	2.0
Power Handling (RMS)	150 Watts
Impedance	4 Ohms
Frequency Response	65Hz-20kHz
Sensitivity	89dB
Item Weight	17 Pounds (per pair)
Product Dimensions (each)	12.25"H x 7"W x 8"D (from product description)
Mounting Type	Shelf Mount
Included Components	5.25" 2-way Supernova Series Speakers With Lacquer Baffle

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official PURE ACOUSTICS website. Keep your proof of purchase for warranty claims.

For technical assistance or inquiries, please contact PURE ACOUSTICS customer service through their official channels.