

KLH KLHF00062

KLH Stratton 12" 500W Powered Subwoofer Instruction Manual

Model: KLHF00062

1. INTRODUCTION

Thank you for choosing the KLH Stratton 12" Powered Subwoofer. This manual provides essential information for the proper setup, operation, and maintenance of your subwoofer. Please read it thoroughly before use to ensure optimal performance and safety.



Image 1.1: Front-left view of the KLH Stratton 12" Powered Subwoofer.

2. SAFETY INFORMATION

Please observe the following safety precautions to prevent damage to the unit and ensure user safety:

- **Power Source:** Connect the subwoofer only to the specified power supply as indicated on the unit.
- **Ventilation:** Ensure adequate ventilation around the subwoofer. Do not block ventilation openings.
- **Water and Moisture:** Do not expose the unit to water, rain, or excessive moisture.
- **Heat:** Keep the subwoofer away from heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- **Cleaning:** Unplug the unit from the wall outlet before cleaning. Use a dry cloth for cleaning.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the subwoofer on a stable, level surface to prevent it from falling.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- KLH Stratton 12" Powered Subwoofer (Model: KLHF00062)
- Power Cord
- Instruction Manual (this document)

4. FEATURES

The KLH Stratton 12" Powered Subwoofer offers the following key features:

- 200-watt amplifier with 500 watts of peak dynamic power.
- Frequency response: 25Hz-160Hz.
- Class D Digital Amplifier for efficient power delivery.
- Rear slot-ported bass reflex enclosure type.
- Designed to complement KLH Kendall, Concord, or Albany speakers for a cohesive home theater sound experience.

5. SETUP

5.1 Placement

The placement of your subwoofer significantly impacts its performance. Experiment with different locations to find the best sound for your room. Generally, placing the subwoofer in a corner can enhance bass output, while placing it along a wall can provide a more balanced sound. Avoid placing it directly against a wall or in a cabinet without proper ventilation.

5.2 Connections

Before making any connections, ensure the subwoofer and your audio receiver/amplifier are powered off.

1. **RCA Line-Level Input:** Connect an RCA cable from the LFE (Low-Frequency Effects) output or Subwoofer Pre-Out on your receiver/amplifier to the 'LINE IN L/R' input on the subwoofer. If your receiver has a single LFE output, use a Y-adaptor or connect to either the L or R input.
2. **Power Connection:** Once audio connections are made, connect the supplied power cord to the subwoofer's AC inlet and then to a suitable wall outlet.



Image 5.1: Rear panel with controls and connection ports.

5.3 Initial Power-Up

After all connections are secure, switch the power toggle on the rear panel to the 'ON' position. The subwoofer is now ready for operation.

6. OPERATING

The KLH Stratton subwoofer features several controls on its rear panel to fine-tune its performance with your audio system.

- **VOLUME:** Adjusts the overall output level of the subwoofer. Start with a low setting and gradually increase until the bass blends seamlessly with your main speakers.

- **PHASE (0°/180°):** This switch helps to match the subwoofer's output phase with your main speakers. If the bass sounds weak or hollow, try flipping this switch. The correct setting will result in stronger, more impactful bass.
- **CROSSOVER (40Hz-160Hz):** This control determines the highest frequency the subwoofer will reproduce. Set it to blend with the low-frequency capabilities of your main speakers. A common starting point is around 80Hz, but adjust based on your system and room acoustics.
- **POWER (ON/OFF/AUTO):**
 - **ON:** The subwoofer remains continuously powered on.
 - **OFF:** The subwoofer is powered off.
 - **AUTO:** The subwoofer will automatically turn on when an audio signal is detected and enter standby mode after a period of inactivity.
- **TRIGGER (12V):** For advanced home theater systems, this input allows the subwoofer to be turned on/off automatically by a 12V trigger signal from your receiver or processor.

7. MAINTENANCE

Proper care will ensure the longevity and performance of your subwoofer.

- **Cleaning:** Use a soft, dry cloth to wipe the cabinet. Avoid using abrasive cleaners, waxes, or solvents.
- **Dust:** Regularly dust the unit to prevent accumulation, especially around the driver and rear panel.
- **Environment:** Avoid exposing the subwoofer to extreme temperatures, direct sunlight, or high humidity.
- **Grille:** The grille can be removed for cleaning or if you prefer the aesthetic of the exposed driver. Handle with care to avoid damage.

8. TROUBLESHOOTING

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

- **No Sound:**
 - Ensure the subwoofer is plugged into a working power outlet and the power switch is ON or AUTO.
 - Check all audio connections between the subwoofer and your receiver/amplifier.
 - Verify that the volume on the subwoofer and your receiver is turned up.
 - Confirm that your receiver's subwoofer output is enabled and configured correctly.
- **Distorted or Unclear Sound:**
 - Reduce the volume level on the subwoofer and/or receiver.
 - Adjust the crossover frequency to better integrate with your main speakers.
 - Check for loose connections or damaged cables.
- **Humming or Buzzing Noise:**
 - Ensure all cables are securely connected.
 - Try plugging the subwoofer into a different electrical outlet.
 - If using a long RCA cable, consider a shielded cable or a ground loop isolator.
 - Move the subwoofer or audio cables away from power cables or other electronic devices that may cause interference.

If these steps do not resolve the issue, please contact KLH customer support.

9. SPECIFICATIONS

Detailed technical specifications for the KLH Stratton 12" Powered Subwoofer:

Feature	Specification
Model Name	KLHF00062
Mounting Type	Floor Standing
Speaker Type	Subwoofer, Woofer
Recommended Uses	Music, Home Theater
Compatible Devices	Gaming Console, Home Theater, Television
Subwoofer Diameter	12 Inches
Unit Count	1.0 Count
Surround Sound Channel Configuration	5.1
Product Dimensions (D x W x H)	18.2"D x 15.4"W x 17.7"H
Item Weight	42.5 Pounds
Control Method	Manual Controls on Rear Panel
Power Source	Corded Electric
Speaker Maximum Output Power	450 Watts (Peak Dynamic: 500W)
Frequency Response	25 Hz - 160 Hz
Connectivity Technology	RCA (Wired)
Audio Output Mode	Surround
UPC	818031010208



Image 9.1: Dimensions of the KLH Stratton 12" Powered Subwoofer.

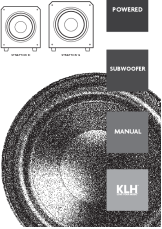
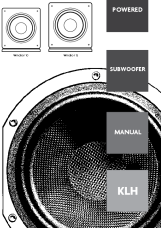
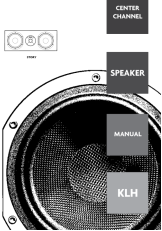



10. WARRANTY AND SUPPORT

KLH products are designed and manufactured to the highest quality standards. This product is covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official KLH website.

For technical support, service inquiries, or replacement parts, please contact KLH customer service through their official website or the contact information provided with your purchase documentation.

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Related Documents - KLHF00062

	<p>KLH Stratton Powered Subwoofer Manual: Setup, Specifications, and Safety</p> <p>Comprehensive guide for KLH Stratton 10 and Stratton 12 powered subwoofers, covering setup, connections, safety instructions, features, and technical specifications.</p>
	<p>KLH Windsor Series Powered Subwoofer Manual</p> <p>User manual for the KLH Windsor 10 and Windsor 12 powered subwoofers, covering safety instructions, connections, controls, specifications, and warranty information.</p>
	<p>KLH Story Center Channel Speaker User Manual</p> <p>This user manual provides essential information for the KLH Story Center Channel Speaker, including safety instructions, unpacking, connection guides, placement recommendations, port tuning, warranty details, and technical specifications. Optimize your home theater audio experience with KLH.</p>
	<p>KLH Kendall 2C Center Channel Loudspeaker - Product Overview and Specifications</p> <p>Detailed information about the KLH Kendall 2C Center Channel Loudspeaker, including features, setup instructions, safety guidelines, and technical specifications. Learn about its design, amplification, placement, and warranty.</p>
	<p>KLH Model Three Loudspeaker User Manual and Specifications</p> <p>Comprehensive guide to the KLH Model Three acoustic suspension loudspeaker, covering introduction, history, design principles, setup, connection, positioning, room acoustics, and specifications.</p>
	<p>KLH Faraday F-6600-AW All-Weather Outdoor Speaker Manual and Installation Guide</p> <p>Comprehensive guide for the KLH Faraday F-6600-AW all-weather outdoor speakers, covering safety, placement, installation, connection, care, and warranty information.</p>