

## Sunfire SDS12

# Sunfire SDS12 Powered Subwoofer

## User Manual

### INTRODUCTION

---

The Sunfire SDS12 is a high-performance 12-inch powered subwoofer designed to deliver powerful and accurate bass for home theater and music systems. Featuring 600W of peak power from Sunfire's Class-D digital amplification and exclusive FFD™ technology, the SDS12 provides deep, impactful low frequencies with exceptional clarity and detail. This manual provides essential information for the proper setup, operation, and maintenance of your SDS12 subwoofer.



This image shows the front of the Sunfire SDS12 subwoofer, featuring its black cabinet and removable grille with the Sunfire logo prominently displayed at the top.

### Key Features:

- 600 Watts of dependable, cool-running Sunfire bass.
- Compact cabinet design for its class.
- Sunfire's proprietary FFD™ (Frequency Filtration Design) technology for low distortion and high-output performance.
- Optimized for both movies and music.
- Gold plated connections for reliable signal transfer.

### SETUP

---

## 1. Unpacking

Carefully remove the SDS12 subwoofer from its packaging. Retain all packing materials for future transport or storage. Inspect the subwoofer for any signs of damage during transit. If damage is found, contact your dealer immediately.

## 2. Placement

The placement of your subwoofer significantly impacts its performance. Experiment with different locations in your room to find the optimal spot. Consider the following:

- **Corner Placement:** Placing the subwoofer in a corner often maximizes bass output due to room gain, but can sometimes lead to boomy or uneven bass.
- **Wall Placement:** Placing the subwoofer along a wall, away from corners, can provide a more balanced bass response.
- **Near Listening Position:** Placing the subwoofer closer to your primary listening position can sometimes improve bass clarity and impact.
- **Avoid Obstructions:** Ensure the subwoofer's driver is not obstructed by furniture or other objects.

## 3. Connections

Before making any connections, ensure all audio equipment is turned off and unplugged from the power outlet.

1. **LFE/Subwoofer Output:** Connect an RCA cable from the LFE or Subwoofer Output of your AV receiver or pre-amplifier to the LFE Input on the SDS12 subwoofer. This is the recommended connection for most home theater systems.
2. **Stereo RCA Inputs:** If your receiver does not have a dedicated LFE output, connect stereo RCA cables from the pre-out (left and right) of your receiver to the Left and Right Line Inputs on the SDS12.
3. **Power Connection:** Once audio connections are made, connect the supplied power cord to the SDS12's power inlet and then to a grounded AC power outlet.

## OPERATING

---

### 1. Powering On/Off

The SDS12 features an auto-sensing power mode. When set to 'Auto', the subwoofer will automatically turn on when an audio signal is detected and enter standby mode after a period of inactivity. You can also manually turn the subwoofer on or off using the power switch on the rear panel.

### 2. Initial Settings

After connecting and powering on your subwoofer, adjust the following controls:

- **Volume/Gain:** Start with the volume control at its lowest setting. Play some audio and slowly increase the volume until the subwoofer blends seamlessly with your main speakers. The bass should be felt, not localized.
- **Crossover Frequency:** If using the LFE input, your AV receiver will manage the crossover. If using stereo RCA inputs, set the crossover frequency on the subwoofer to match the low-frequency extension of your main speakers. A common starting point is 80Hz.
- **Phase Control:** The phase control (0° or 180°) helps ensure the subwoofer's output is in phase with your main speakers. Experiment with both settings while listening to music with strong bass. Choose the setting that provides the most impactful and cohesive bass.

### 3. Optimizing Performance

Fine-tuning your subwoofer can significantly enhance your listening experience. Consider using your AV receiver's automatic room correction system (e.g., Audyssey, MCACC, YPAO) if available. For manual adjustments, listen to a

variety of music and movie content to ensure the bass is tight, articulate, and well-integrated with your system.

## MAINTENANCE

### Cleaning

To clean the cabinet of your SDS12 subwoofer, use a soft, dry cloth. For stubborn marks, a slightly damp cloth can be used, followed by a dry cloth. Avoid using harsh chemicals, abrasive cleaners, or solvents, as these can damage the finish.

### Storage

If you need to store the subwoofer for an extended period, disconnect it from power, clean it, and ideally repack it in its original packaging to protect it from dust and physical damage. Store in a cool, dry place.

## TROUBLESHOOTING

If you experience issues with your Sunfire SDS12 subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound	<ul style="list-style-type: none"><li>• Power cord not connected.</li><li>• Subwoofer not powered on.</li><li>• Input cables loose or incorrect.</li><li>• Receiver's subwoofer output disabled.</li></ul>	<ul style="list-style-type: none"><li>• Ensure power cord is securely connected and outlet is active.</li><li>• Check power switch and auto-on setting.</li><li>• Verify all audio cables are securely connected to correct inputs/outputs.</li><li>• Check receiver settings to ensure subwoofer output is enabled and volume is not muted.</li></ul>
Weak or Distorted Bass	<ul style="list-style-type: none"><li>• Volume/Gain too low or too high.</li><li>• Incorrect crossover setting.</li><li>• Phase mismatch.</li><li>• Poor room acoustics.</li></ul>	<ul style="list-style-type: none"><li>• Adjust volume control for proper blend.</li><li>• Adjust crossover frequency to blend with main speakers.</li><li>• Toggle phase control (0°/180°) for best sound.</li><li>• Experiment with subwoofer placement.</li></ul>
Humming or Buzzing Noise	<ul style="list-style-type: none"><li>• Ground loop issue.</li><li>• Loose cable connections.</li><li>• Interference from other electronics.</li></ul>	<ul style="list-style-type: none"><li>• Try plugging the subwoofer into a different outlet or using a ground loop isolator.</li><li>• Ensure all cables are tightly connected.</li><li>• Move the subwoofer or other electronics away from each other.</li></ul>

If the problem persists after trying these solutions, please refer to the Support section.

## SPECIFICATIONS

Feature	Detail
Model	SDS12
Speaker Maximum Output Power	600 Watts (Peak)
Connectivity Technology	Wired (RCA)
Material	Composite
Color	Black
Product Dimensions	20 x 19.5 x 20.8 inches
Item Weight	38.8 pounds
Manufacturer	Sunfire
UPC	748926529259


## WARRANTY






The Sunfire SDS12 subwoofer comes with a Limited Warranty. Please refer to the warranty documentation included with your purchase for specific terms, conditions, and duration of coverage. Keep your proof of purchase for warranty claims.

## SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact the retailer where you purchased the Sunfire SDS12 subwoofer or visit the official Sunfire support website for further assistance. Have your product model and serial number ready when contacting support.

### Related Documents - SDS12

	<p><a href="#">Sunfire HRS Series Subwoofer User Manual: HRS-8, HRS-10, HRS-12</a></p> <p>Comprehensive user manual for the Sunfire High Resolution Series Subwoofers (HRS-8, HRS-10, HRS-12), covering setup, operation, safety, features, connections, adjustments, specifications, troubleshooting, and warranty information.</p>
---	--

	<p><a href="#">Sunfire HRSIW8 High Resolution Series In-Wall Subwoofer Amplifier User's Manual</a></p> <p>Comprehensive user's manual for the Sunfire HRSIW8 High Resolution Series In-Wall Subwoofer Amplifier, detailing installation, features, DSP controls, specifications, safety instructions, and warranty information.</p>
	<p><a href="#">Sunfire Theater Grand Amplifier TGA-7401/TGA-7401-230 and TGA-7201/TGA-7201-230 User Manual</a></p> <p>This user manual provides detailed information on the Sunfire Theater Grand Amplifier models TGA-7401 and TGA-7201, covering safety instructions, installation, features, system configurations, biamping, biwiring, troubleshooting, specifications, and warranty.</p>
	<p><a href="#">Sunfire SF150 Radiant Heater Service and Troubleshooting Manual</a></p> <p>Comprehensive service and troubleshooting guide for the Sunfire SF150 Radiant Heater, covering common symptoms, causes, corrective actions, and component identification.</p>
	<p><a href="#">Sunfire SF120 Radiant Heater Parts Manual</a></p> <p>Detailed parts manual for the Sunfire SF120 Radiant Heater, including assembly diagrams, part numbers, and descriptions for all components. Find replacement parts for your SF120 heater.</p>
	<p><a href="#">Sunfire SF120 Radiant Heater Parts Manual</a></p> <p>Detailed parts manual for the Sunfire SF120 Radiant Heater, including assembly diagrams, part numbers, and descriptions. Find all components for your SF120 heater.</p>