

PowerBass S-60C

# Powerbass S-60C 6.5-inch Component OEM Replacement Speaker User Manual

Model: S-60C

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## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Powerbass S-60C 6.5-inch Component OEM Replacement Speaker system. Please read this manual thoroughly before attempting installation or operation to ensure proper function and longevity of your product.



Figure 1: Powerbass S-60C Component Speaker System

## 2. SAFETY INFORMATION

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Observe the following safety guidelines during installation and operation:

- Always disconnect the vehicle's battery before beginning any electrical installation.
- Ensure all wiring is properly insulated to prevent short circuits.
- Mount speakers securely to prevent them from becoming loose during vehicle operation.
- Avoid installing speakers in locations that obstruct vehicle controls or safety devices.
- Do not operate the speakers at excessively high volumes for prolonged periods, as this may cause hearing damage or speaker damage.
- If you are unsure about any part of the installation process, consult a qualified professional car audio installer.

## 3. PACKAGE CONTENTS

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Verify that all items are present in your package:

- 6.5-inch Woofers (2)
- Tweeters (2)

- Crossover Networks (2)
- Mounting Hardware (screws, clips, etc.)



Figure 2: Individual Component Speaker Set

## 4. SETUP AND INSTALLATION

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The Powerbass S-60C is a component speaker system designed for OEM replacement. Proper installation is critical for optimal performance. Professional installation is recommended.

### 4.1 Component Overview

Your S-60C system includes:

- **Woofer:** The 6.5-inch speaker responsible for mid-range and bass frequencies.
- **Tweeter:** The smaller speaker designed for high-frequency sounds.
- **Crossover Network:** This device separates the audio signal, sending appropriate frequencies to the woofer and tweeter.



Figure 3: S-60C Woofer



Figure 4: S-60C Tweeters

## 4.2 Mounting

The 6.5-inch woofers are designed for flush mounting in standard vehicle speaker locations. The tweeters can be flush-mounted or surface-mounted depending on your vehicle's interior and desired sound staging. Ensure adequate clearance behind the mounting surface for the speaker's magnet structure.





Figure 5: S-60C Woofer Dimensions

### 4.3 Wiring

Each component set requires connection to a crossover network. The crossover has clearly marked terminals for 'INPUT' (from amplifier), 'WOOFER' (to woofer), and 'TWEETER' (to tweeter). Observe correct polarity (+ and -) for all connections to ensure proper sound reproduction.

1. Connect the amplifier's speaker output to the 'INPUT' terminals on the crossover network.
2. Connect the woofer to the 'WOOFER' terminals on the crossover network.
3. Connect the tweeter to the 'TWEETER' terminals on the crossover network.

Use appropriate gauge speaker wire for all connections. Consult your vehicle's wiring diagram or a professional installer if you are unsure about speaker wire routing or connections.

## 5. OPERATING INSTRUCTIONS

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Once installed, your Powerbass S-60C speakers will operate as part of your vehicle's audio system. Ensure your amplifier's gain settings are properly adjusted to prevent distortion and speaker damage. The speakers have a maximum output power of 140 Watts and an impedance of 4 Ohm. Avoid exceeding these limits.

For optimal sound quality, consider adjusting the equalizer settings on your head unit or amplifier to complement the acoustic characteristics of your vehicle's interior.

## 6. MAINTENANCE

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The Powerbass S-60C speakers require minimal maintenance. Follow these guidelines:

- Keep the speaker cones free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing speakers to excessive moisture or direct sunlight for prolonged periods.
- Regularly check all wiring connections for tightness and corrosion.
- Do not apply any chemicals or solvents to the speaker components.

## 7. TROUBLESHOOTING

If you experience issues with your Powerbass S-60C speakers, refer to the following table:

Problem	Possible Cause	Solution
No sound from speaker	Loose or incorrect wiring; Amplifier off or faulty; Head unit issue; Speaker damaged.	Check all wiring connections and polarity. Verify amplifier and head unit are functioning. Test speaker with another audio source if possible.
Distorted sound	Amplifier gain too high; Incorrect crossover settings; Speaker damaged; Poor quality audio source.	Reduce amplifier gain. Ensure crossover is correctly wired. Check audio source quality. If distortion persists, speaker may be damaged.
One speaker not working	Wiring issue to that specific speaker or crossover; Speaker damaged.	Inspect wiring to the non-working speaker and its crossover. Swap speakers (if safe) to determine if the issue is with the speaker or wiring/crossover.

If troubleshooting steps do not resolve the issue, contact Powerbass customer support or a qualified service technician.

## 8. SPECIFICATIONS

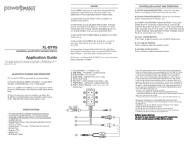
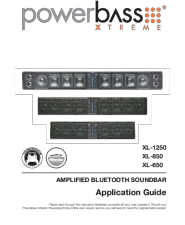




Feature	Detail
Model Name	S-60C
Speaker Type	Component
Speaker Size	6.5 Inches (Woofer)
Material	2 layer paper DDC cone / silk dome tweeter
Impedance	4 Ohm
Speaker Maximum Output Power	140 Watts
Frequency Response	60 Hz (Lower limit)
Mounting Type	Flush Mount
Product Dimensions	4"D x 17.6"W x 10"H (Packaging)
Item Weight	1 pounds (per set)
Included Components	Car Speakers - Component Systems

## 9. WARRANTY AND SUPPORT

Your Powerbass S-60C speakers come with a Limited or Full Warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Powerbass website. Keep your proof of purchase for warranty claims.

For technical support, service, or questions regarding your product, please contact Powerbass customer service directly. Contact information can typically be found on the Powerbass website or product packaging.

## Related Documents - S-60C

	<p><a href="#">PowerBass XL-BTRS Universal Bluetooth Rocker Switch Application Guide</a></p> <p>Detailed application guide for the PowerBass XL-BTRS Universal Bluetooth Rocker Switch, covering wiring, controller layout, operation, pairing, and specifications.</p>
	<p><a href="#">PowerBass Xtreme Amplified Bluetooth Soundbar XL Series - Application Guide &amp; Specifications</a></p> <p>Comprehensive application guide and technical specifications for the PowerBass Xtreme XL-1250, XL-850, and XL-650 amplified Bluetooth soundbars. Includes installation tips, troubleshooting, and warranty information.</p>
	<p><a href="#">PowerBass Autosound OE Series Component Application Guide</a></p> <p>This application guide provides detailed information on the PowerBass Autosound OE Series Component speakers, including features, specifications, installation procedures, and warranty policy.</p>
	<p><a href="#">Powerbass BT-150 SoundCube User Manual: Setup, Operation, and Specifications</a></p> <p>Comprehensive user manual for the Powerbass BT-150 SoundCube portable Bluetooth speaker, covering setup, pairing, TWS function, basic operation, interface instructions, technical specifications, notes, FAQ, and safety information.</p>
	<p><a href="#">PowerBass PBX-DSP8 8-Channel Digital Signal Processor Owners Manual</a></p> <p>Comprehensive owners manual for the PowerBass PBX-DSP8 8-Channel Digital Signal Processor, detailing installation, setup, features, and troubleshooting for car audio systems.</p>
	<p><a href="#">PowerBass Xtreme Amplified Bluetooth Soundbar Application Guide</a></p> <p>This application guide provides detailed information on the PowerBass Xtreme Amplified Bluetooth Soundbars, including technical features, specifications, installation tips, wiring diagrams, controller layout, operation, troubleshooting, and warranty policy for models XL-1250, XL-850, and XL-650.</p>