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Phoenix Gold XS52

Phoenix Gold XS52 5.25" 2-Way Speaker

INSTRUCTION MANUAL

Introduction

Thank you for choosing the Phoenix Gold XS52 5.25" (13cm) 2-Way Speaker. This manual provides essential information for the proper installation, operation, and maintenance of your new audio component. The XS52 speaker is designed to deliver clear and powerful audio performance for your vehicle's sound system.

Safety Information

Please read all safety instructions carefully before installation and operation. Failure to follow these guidelines may result in damage to the product, vehicle, or personal injury.

- Always disconnect the vehicle's battery before beginning any electrical work.
- Ensure proper wiring polarity to prevent damage to the speaker and amplifier.
- Do not expose speakers to excessive moisture or extreme temperatures. The XS52 is not waterproof.
- Consult a professional installer if you are unsure about any part of the installation process.
- Securely mount the speakers to prevent them from becoming loose during vehicle operation.

Product Overview

Image: A representation of car speakers, similar to the Phoenix Gold XS series, showcasing various sizes and designs.

The Phoenix Gold XS52 is a 5.25-inch (13cm) 2-way coaxial speaker. It features a glass fiber cone for enhanced sound reproduction and is designed for flush mounting in automotive applications. With a nominal impedance of 4 Ohms, it is compatible with most car audio systems.

Setup and Installation

1. Unpacking

Carefully remove all components from the packaging. Verify that all parts are present: two XS52 speakers, mounting hardware, and speaker wire (if included).

2. Mounting

The XS52 speakers are designed for flush mounting. Identify suitable locations in your vehicle (e.g., door panels, rear deck) that can accommodate a 5.25-inch speaker. Ensure there is sufficient depth and clearance behind the mounting surface.

1. Mark the speaker cutout area using a template (if provided) or by tracing the speaker's mounting flange.
2. Carefully cut the opening in the mounting surface.
3. Position the speaker in the opening and secure it using the provided screws. Do not overtighten.

3. Wiring

Connect the speaker wires from your amplifier or head unit to the speaker terminals. Pay close attention to polarity: connect the positive (+) terminal of the speaker to the positive output of your amplifier, and the negative (-) terminal of the speaker to the negative output. Incorrect polarity can lead to poor sound quality and reduced bass response.

- The XS52 has an impedance of 4 Ohms. Ensure your amplifier is stable at this impedance.
- Use appropriate gauge speaker wire for your installation to minimize signal loss.
- Secure all wiring to prevent shorts and rattles.

Operating Instructions

Once properly installed, the Phoenix Gold XS52 speakers will function as part of your vehicle's audio system. They are designed to reproduce a wide range of frequencies, from 80Hz to 20kHz, providing clear and dynamic sound.

- Ensure your head unit or amplifier is powered on.
- Adjust volume levels gradually to avoid overdriving the speakers.
- For optimal sound, consider adjusting the equalizer settings on your head unit to complement the speaker's frequency response.

Maintenance

The Phoenix Gold XS52 speakers require minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker grilles and cones. Avoid using harsh chemicals or abrasive cleaners, as these can damage the speaker materials.
- **Inspection:** Periodically check the speaker mounting screws to ensure they are secure. Inspect wiring connections for any signs of wear or corrosion.
- **Environment:** While designed for automotive use, avoid exposing the speakers to extreme conditions such as direct water submersion or prolonged exposure to direct sunlight in very hot climates, which can degrade materials over time.

Troubleshooting

If you experience issues with your Phoenix Gold XS52 speakers, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No sound from speaker	Loose or disconnected wiring; Amplifier off or in protect mode; Head unit issue.	Check all speaker wire connections at both the speaker and amplifier. Ensure amplifier is powered on and not in protect mode. Verify head unit is functioning correctly.
Distorted or unclear sound	Incorrect wiring polarity; Overdriving the speaker; Amplifier clipping; Loose mounting.	Verify correct wiring polarity (+ to +, - to -). Reduce volume level. Check amplifier gain settings. Ensure speaker is securely mounted.
Weak or no bass	Incorrect wiring polarity; Phase issues; Speaker not sealed properly in enclosure.	Double-check wiring polarity. Ensure speaker is mounted in an airtight manner if applicable to the installation.

If these steps do not resolve the issue, please contact Phoenix Gold customer support or a qualified car audio technician.

Specifications

Feature	Specification
Model	XS52
Speaker Type	2-Way Coaxial Speaker
Speaker Size	5.25 inches (13 cm)
RMS Power Handling	55 Watts
Maximum Power Handling	110 Watts
Impedance	4 Ohm
Frequency Response	80 Hz - 20 kHz
Cone Material	Glass Fiber
Mounting Type	Flush Mount
Vehicle Service Type	Car
UPC	083713026659

Warranty and Support

Phoenix Gold products are manufactured to high-quality standards. Specific warranty terms and conditions are typically provided with your purchase documentation or can be found on the official Phoenix Gold website. Please retain your proof of purchase for warranty claims.
For technical support, product registration, or further inquiries, please visit the official Phoenix Gold website or contact their customer service department. Visit Phoenix Gold Official Website

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