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## ALPINE SXE-1025S

# ALPINE SXE-1025S 2-Way Coaxial Speaker Instruction Manual

Model: SXE-1025S | Brand: ALPINE

## INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your ALPINE SXE-1025S 2-Way Coaxial Speakers. Please read it thoroughly before use to ensure proper setup and optimal performance.

The ALPINE SXE-1025S speakers are a pair of 10 cm (4") 2-way coaxial speakers designed for car audio systems. They feature a robust construction for clear and powerful sound reproduction.



Image: Front and side view of the ALPINE SXE-1025S coaxial speakers.

Each speaker includes a woofer with a grey polypropylene cone and a ferrite magnet, paired with a 2 cm (0.8") tweeter featuring a titanium dome and neodymium magnet. This combination of materials ensures a rigid, lightweight, and highly efficient design, contributing to excellent frequency extension and overall sound quality. The frequency response ranges from 100 Hz to 20,000 Hz.

## SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your speakers. It is recommended that installation be performed by a qualified professional.

### Package Contents:

- 2 x ALPINE SXE-1025S Coaxial Speakers
- Mounting Rings
- Mounting Screws

## Mounting Dimensions:

- **Speaker Diameter:** 9.95 cm
- **Installation Hole Diameter:** 9.15 cm
- **Mounting Depth:** 4.3 cm
- **Diagonal Installation Hole Spacing:** 12.3 cm
- **Magnet Diameter:** 7.1 cm



Image: Technical diagram illustrating the dimensions of the speaker, including diameter, mounting depth, and magnet diameter.

## Wiring and Amplification:

These speakers have an impedance of 4 Ohms. They can be connected to a traditional 2-channel Class AB amplifier or

directly to your car's factory radio. For optimal sound quality and performance, it is recommended to provide 25 watts RMS per channel.

#### Caution:

- Do not exceed the recommended power ratings (180 Watts Max) to prevent irreparable damage to the speakers.
- Ensure correct polarity when connecting the speaker wires to avoid phase issues and degraded sound quality.



Image: A pair of ALPINE SXE-1025S coaxial speakers, showing their front view.

## OPERATING INSTRUCTIONS

Once installed, operate your speakers through your car's head unit or amplifier. Adjust settings such as volume, bass, treble, and balance to your preference. Start with moderate volume levels and gradually increase to avoid distortion or damage.

- **Volume Control:** Adjust the volume from your head unit. Avoid excessively high volumes that cause audible distortion.
- **Tone Controls:** Use bass and treble adjustments on your head unit or amplifier to fine-tune the sound.
- **Fader/Balance:** Adjust these settings to optimize the sound stage within your vehicle.

## MAINTENANCE

The ALPINE SXE-1025S speakers require minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Gently wipe the speaker grilles and surrounds with a soft, dry cloth to remove dust. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check the speaker cones and surrounds for any signs of damage or wear.
- **Environmental Factors:** While robust, avoid exposing speakers to extreme moisture or direct sunlight for extended periods, as this can degrade materials over time.

## TROUBLESHOOTING

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

| Problem                  | Possible Cause   | Solution  |
|--------------------------|--|---|
| No sound from speakers   | <ul style="list-style-type: none"> <li>• Loose or disconnected wiring</li> <li>• Head unit/amplifier off or muted</li> <li>• Incorrect fader/balance settings</li> </ul> | <ul style="list-style-type: none"> <li>• Check all speaker connections at the speaker and head unit/amplifier.</li> <li>• Ensure head unit/amplifier is powered on and not muted.</li> <li>• Adjust fader/balance to center.</li> </ul> |
| Distorted sound          | <ul style="list-style-type: none"> <li>• Volume too high</li> <li>• Improper amplifier gain settings</li> <li>• Damaged speaker cone</li> </ul>                          | <ul style="list-style-type: none"> <li>• Reduce volume.</li> <li>• Adjust amplifier gain to match head unit output.</li> <li>• Inspect speaker cone for physical damage.</li> </ul>   |
| Weak or unbalanced sound | <ul style="list-style-type: none"> <li>• Incorrect wiring polarity</li> <li>• One speaker not functioning</li> </ul>   | <ul style="list-style-type: none"> <li>• Verify correct wiring polarity for all speakers.</li> <li>• Check connections and functionality of individual speakers.</li> </ul>   |

If problems persist after attempting these solutions, consult a qualified car audio technician.

## SPECIFICATIONS

| Feature                    | Specification   |
|----------------------------|---|
| Speaker Type               | 2-Way Coaxial   |
| Speaker Size               | 10 cm (4 inches)  |
| RMS Power                  | 25 Watts per speaker                                      |
| Max Power                  | 180 Watts per speaker                                     |
| Sensitivity                | 90 dB   |
| Frequency Response         | 100 - 20,000 Hz   |
| Impedance                  | 4 Ohms  |
| Woofer Material            | Polypropylene (PP) cone with Ferrite magnet               |
| Tweeter Material           | Titanium dome with Neodymium magnet                       |
| Mounting Depth             | 4.3 cm  |
| Installation Hole Diameter | 9.15 cm   |
| Speaker Diameter           | 9.95 cm   |
| Weight (per speaker)       | 0.46 kg (920 Grams per pair)                              |
| Recommended Usage          | Car radios, ambient sound systems, surround sound systems |
| Compatible Devices         | Car radio, amplifier                                      |

## **WARRANTY INFORMATION**

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Specific warranty details for the ALPINE SXE-1025S speakers are not provided in the product information. Please refer to the retailer or manufacturer's official website for warranty terms and conditions.

## **CUSTOMER SUPPORT**

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For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact the retailer where you purchased the product or refer to the official Alpine support channels.

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