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DS18 S69

DS18 S69 Select 6x9 3-Way Coaxial Speaker Instruction Manual

Model: S69

INTRODUCTION

Thank you for choosing the DS18 S69 Select 6x9 3-Way Coaxial Speakers. These speakers are engineered to deliver a dynamic and clear audio experience for your vehicle's sound system. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity of your speakers.



Image: A pair of DS18 S69 6x9 inch coaxial speakers, illustrating their design and included grill.

PRODUCT OVERVIEW

The DS18 S69 speakers are designed for high-quality audio reproduction in automotive environments. Key features include:

- **Powerful Performance:** Each speaker handles 80W RMS power and up to 240W maximum power, providing robust sound output.
- **High Sensitivity:** With a sensitivity of 90.8dB, these speakers efficiently convert power into sound, ensuring clear audio at various volume levels.
- **Premium Construction:** The woofer features a PPI cone, rubber surround, and a durable steel basket with a black matte finish for enhanced sound quality and longevity.
- **Advanced Tweeter Technology:** Equipped with two tweeters (2.3" and 1.1") utilizing Mylar diaphragms and Barium Ferrite magnets for crisp high-frequency response.
- **3-Way Coaxial Design:** Integrates woofer, midrange, and tweeter elements into a single unit for a full-range sound experience.
- **Included Grills:** Protective grills are provided for installation flexibility and speaker protection.

A promotional graphic for the DS18 S69 speaker. It features a red and black background with diagonal stripes. The DS18 SXE logo is in the top right. Large white text reads 'PRECISION IN EVERY NOTE' and 'SXE SERIES'. Below this, 'S69' is in a white oval, and 'SOLD AS PAIR' is in a white box. At the bottom left, it says 'DISCOVER OUR SELECT 3-WAY COAXIAL SPEAKERS EXPERIENCE'. On the right, a large image of the black oval speaker is shown, featuring a mesh grille and the DS18 logo at the bottom.

DS18[®]
SXE

PRECISION IN EVERY NOTE

SXE SERIES

S69 **SOLD AS PAIR**

**DISCOVER OUR SELECT 3-WAY
COAXIAL SPEAKERS EXPERIENCE**



240W MAX Power
80W RMS Power



6X9" / 152x228mm



Grill Included



WE LIKE IT LOUD

Image: DS18 S69 speaker highlighting key power and size specifications, confirming grill inclusion.



DS18
EXE

BUILT-IN TWO TWEETERS

The rubber surround enhances sound quality by providing effective damping properties

 Frequency Response: 35Hz-20KHz

 Cone Material: PPI

 Mounting Depth: 2.83" / 72mm

Image: Detailed view of the DS18 S69 speaker's tweeter assembly and cone material, with technical specifications.

WHAT'S IN THE BOX

Your DS18 S69 package includes:

- One pair of DS18 S69 6x9 inch 3-Way Coaxial Speakers
- Speaker Grills (one pair)

SPECIFICATIONS

Feature	Specification
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Feature	Specification
Model Name	S69
Speaker Type	Coaxial
Speaker Size	6x9 Inches (6.9 Inches)
RMS Power Handling	80 Watts
Maximum Output Power	240 Watts
Impedance	4 Ohm
Sensitivity (Signal-to-Noise Ratio)	90.8 dB
Frequency Response	35Hz - 20 KHz
Woofer Diameter	6 Inches
Tweeter Diameter	2.3 Inches
Mounting Type	Door Mount
Mounting Depth	2.83" (72mm)
Product Dimensions (D x W x H)	3.15"D x 9.2"W x 6.5"H
Item Weight	6.3 pounds
Recommended Hi Pass Crossover	50Hz
Compatible Devices	Car, Truck, Golf Cart, ATV, UTV, Bus

S69

DS18



**OVERALL
DIAMETER**
6.4"X9.2"
163X234MM



**MOUNTING
DEPTH**
2.83"
72MM



**FRONT MOUNT
BAFFLE CUT OUT**
5.9X8.66" / 150X220MM

Image: Dimensional drawing of the DS18 S69 speaker, detailing overall size, mounting depth, and cut-out requirements.

SETUP AND INSTALLATION

Proper installation is crucial for optimal speaker performance and safety. If you are unsure about any steps, it is recommended to seek professional assistance.

Safety Precautions:

- Disconnect the vehicle's battery before starting any electrical work to prevent short circuits.
- Wear appropriate safety gear, including eye protection.
- Ensure all wiring is properly insulated and secured to prevent damage or interference.

Installation Steps:

1. **Preparation:** Identify the speaker mounting locations in your vehicle (typically door panels or rear deck).

Remove existing speakers if present.

2. **Mounting Area Check:** Verify that the mounting depth (2.83" / 72mm) and cut-out dimensions (5.9x8.66" / 150x220mm) are compatible with your vehicle's speaker openings. Modifications may be necessary.
3. **Wiring:** Connect the speaker wires from your amplifier or head unit to the terminals on the DS18 S69 speakers. Ensure correct polarity (positive to positive, negative to negative) to avoid phase issues.
4. **Secure Speakers:** Place the speakers into the mounting locations and secure them using appropriate screws. Do not overtighten.
5. **Install Grills:** If desired, attach the provided speaker grills over the installed speakers for protection and a finished look.
6. **Test System:** Reconnect the vehicle's battery. Turn on your audio system and test the speakers at a low volume to ensure proper functionality and sound quality.



Image: Rear view of the DS18 S69 speaker, illustrating the magnet structure and connection points for wiring.

OPERATING INSTRUCTIONS

Once installed, your DS18 S69 speakers will operate as part of your vehicle's audio system. Follow these guidelines for optimal performance:

- **Initial Playback:** Begin playback at a low volume and gradually increase it to a comfortable listening level.

- **Crossover Settings:** If your head unit or amplifier has adjustable crossover settings, it is recommended to set a high-pass filter at 50Hz to protect the speakers from damaging low frequencies.
- **Equalization:** Adjust your audio system's equalizer settings to fine-tune the sound to your personal preference. Avoid excessive boosting of bass or treble, which can lead to distortion or speaker damage.
- **Volume Control:** While these speakers can handle significant power, prolonged listening at maximum volume levels can cause listener fatigue and potential speaker damage. Listen responsibly.

MAINTENANCE

To ensure the longevity and continued performance of your DS18 S69 speakers, follow these simple maintenance tips:

- **Cleaning:** Gently wipe the speaker cones and grills with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive materials.
- **Environmental Protection:** While designed for automotive use, avoid exposing speakers to excessive moisture or extreme temperatures. These speakers are not waterproof.
- **Inspect Wiring:** Periodically check speaker wiring connections to ensure they are secure and free from corrosion or damage.
- **Grill Care:** If grills are removed for cleaning, ensure they are reinstalled correctly to protect the speaker components.

TROUBLESHOOTING

If you encounter issues with your DS18 S69 speakers, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
No sound from speaker	Loose or incorrect wiring; Amplifier/head unit off; Speaker damage	Check all wiring connections and polarity; Ensure audio source is on and functioning; Inspect speaker for visible damage.
Distorted sound	Volume too high; Incorrect equalizer settings; Amplifier clipping; Damaged speaker	Reduce volume; Adjust equalizer settings; Check amplifier gain settings; Inspect speaker for damage.
Weak or unbalanced sound	Incorrect wiring polarity; Fader/balance settings incorrect; One speaker damaged	Verify correct wiring polarity for all speakers; Adjust fader/balance on head unit; Test individual speakers to identify faulty unit.
Buzzing or humming noise	Ground loop issue; Loose wiring; Electrical interference	Check ground connections; Secure all wiring; Install a ground loop isolator if necessary.

WARRANTY INFORMATION

The DS18 S69 Select 6x9 3-Way Coaxial Speakers come with a limited warranty. Please refer to the warranty card included with your purchase or visit the official DS18 website for detailed terms and conditions regarding coverage, duration, and claims procedures.

CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your DS18 S69 speakers, please contact DS18 customer service or visit their official website. You can also find more information and products at the [DS18 Amazon Store](#).