

DS18 EXL-SQ4

DS18 EXL-SQ4 4-Inch 2-Way 3-Ohm Coaxial Car Speaker Instruction Manual

Brand: DS18 | Model: EXL-SQ4

1. PRODUCT OVERVIEW

The DS18 EXL-SQ4 is a 4-inch 2-way coaxial car speaker designed for high sound quality. It features a glass fiber cone and a 3-ohm impedance, providing clear audio reproduction for various car audio systems.

Key Features:

- 2-Way Coaxial Speaker Design
- 4-Inch Woofer Size
- 3-Ohm Rated Impedance
- 60 Watts RMS Power, 260 Watts Max Power
- 85 dB Sensitivity
- Frequency Response: 115 - 22 KHz
- Glass Fiber Woofer Cone with Rubber Surround
- PEI Dome Tweeter with Neodymium Magnet

2. WHAT'S IN THE BOX

- DS18 EXL-SQ4 4-Inch Coaxial Speakers (Set of 2)
- Speaker Grills (Included)

3. SPECIFICATIONS

Feature	Specification
Speaker Design	2-Way Coaxial

Feature	Specification
Woofer Size	4 Inches
Tweeter Diameter	21mm (0.8 Inches)
Rated Impedance	3-Ohms
RMS Power	60 Watts
Max Power	260 Watts
Sensitivity	85 dB
Frequency Response	115 - 22 KHz
Mounting Hole Diameter	100.5mm
Top Mount Depth (No Grill)	56.4mm
Top Mount Depth (With Grill)	73.77mm
Bottom Mount Depth Diameter	27.4mm
Woofer Cone Material	Glass Fiber
Woofer Surround Material	Rubber
Tweeter Dome Material	PEI
Tweeter Magnet Material	Neodymium
Product Dimensions	4"D x 4"W x 5.5"H
Item Weight	16 ounces (1 pound)
Compatible Devices	Car Audio System

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and longevity of your DS18 EXL-SQ4 speakers. It is recommended to have installation performed by a qualified professional.

4.1 Mounting Considerations

- Ensure adequate mounting depth and clearance for the speaker. Refer to the 'Specifications' section for dimensions.
- Choose a mounting location that provides a stable and secure surface to prevent vibrations.
- The speakers are designed for car mount and coaxial installation.

4.2 Wiring Instructions

1. Disconnect the vehicle's battery before starting any wiring.
2. Connect the positive (+) terminal of the speaker to the positive (+) output of your amplifier.

3. Connect the negative (-) terminal of the speaker to the negative (-) output of your amplifier.
4. Ensure all connections are secure and properly insulated to prevent short circuits.
5. Verify the impedance of your speakers matches the recommended load of your amplifier. These speakers have a 3-ohm impedance.

5. OPERATING INSTRUCTIONS

Once installed, follow these guidelines for operating your DS18 EXL-SQ4 speakers:

- Start with the amplifier's gain settings at their lowest level.
- Gradually increase the volume and adjust the gain settings to achieve desired sound levels without distortion.
- Avoid prolonged listening at maximum volume levels to prevent speaker damage.
- For optimal sound quality, consider using a high-pass filter to prevent low frequencies from reaching the speakers, especially if a subwoofer is present in your system.

6. MAINTENANCE

To ensure the longevity and performance of your speakers, regular maintenance is recommended:

- Keep the speaker cones and surrounds free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing speakers to extreme temperatures or moisture.
- Periodically check all wiring connections for tightness and corrosion.
- Ensure the speaker grills are securely in place to protect the cones from physical damage.

7. TROUBLESHOOTING

If you encounter issues with your DS18 EXL-SQ4 speakers, refer to the following common troubleshooting steps:

- **No Sound:** Check all wiring connections from the amplifier to the speakers. Ensure the amplifier is powered on and functioning correctly. Verify audio source is active.
- **Distorted Sound:** Reduce the volume or amplifier gain. Check for loose wiring connections. Ensure the speakers are not over-powered or under-powered by the amplifier.
- **Intermittent Sound:** Inspect all connections for looseness or corrosion. Check for any kinks or damage in the speaker wires.
- **One Speaker Not Working:** Swap the non-working speaker with a known working one to determine if the issue is with the speaker or the wiring/amplifier channel.

If problems persist after attempting these steps, contact DS18 customer support or a certified car audio technician.

8. WARRANTY AND SUPPORT

The DS18 EXL-SQ4 speakers come with a limited one-year manufacturer defect warranty from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or further assistance, please visit the official DS18 website or contact their customer service department.

DS18 Official Website: www.ds18.com

9. PRODUCT IMAGES



Image 1: A pair of DS18 EXL-SQ4 speakers, one with a grill and one without, highlighting key specifications like size, RMS power, impedance, and frequency response.



Cone material
Glass Fiber



Magnet Material:
Strontium



Mounting Depth:
1.96" / 50mm

Image 2: A detailed view of the DS18 EXL-SQ4 speaker cone, showing the glass fiber material, PEI dome tweeter, strontium magnet, and mounting depth.

EXL-SQ4.0

DS18


**OVERALL
DIAMETER**
4.12"
104.8MM



**MOUNTING
DEPTH**
1.96"
50MM



**FRONT MOUNT
BAFFLE CUT OUT**
3.77" / 96MM

Image 3: A technical diagram illustrating the overall diameter, mounting depth, and front mount baffle cut-out dimensions of the DS18 EXL-SQ4 speaker.



Image 4: An angled view of the DS18 EXL-SQ4 speaker, showcasing its design without the protective grill.



Image 5: An angled view of the DS18 EXL-SQ4 speaker, showing its appearance with the protective grill installed.



Image 6: A side view of the DS18 EXL-SQ4 speaker, clearly displaying the '260 WATTS MAX' power rating on its magnet structure.



Image 7: A rear view of the DS18 EXL-SQ4 speaker, showing the model number, impedance, and power ratings on the magnet.

10. PRODUCT VIDEOS

Your browser does not support the video tag.

Video 1: A brief overview of the DS18 EXL-SQ4 4-inch 3-ohm speaker, highlighting its compact design and sound quality.

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Video 2: An unboxing and specification preview of the DS18 EXL-SQ Coaxial speaker series, providing a closer look at the product and its features.