



DLS RC3C 3 Inch Midrange Component User Manual

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DLS RC3C 3 Inch Midrange Component



Product Information

- The DLS Reference RC3C is a midrange component speaker designed to provide an optimal sound experience. DLS, a part of Winn Scandinavia AB, focuses on sound and construction quality to deliver high-performance speakers for vehicles. The RC3C speaker is engineered and sound-tuned in Sweden.
- The speaker is covered by warranty, subject to the conditions in the country of purchase. To avail warranty service, include the original dated receipt with the returned product.
- The speaker is manufactured in compliance with the EU directive EEC 95/54 (72/245/EEC) and marked with the approval number. It also adheres to the WEEE-directive 2012/19/EC and the EU RoHS directive 2015/863/EU.
- The package includes 2pcs Midrange components, 8pcs V-type clips, 8pcs Screws, 2pcs Grills, and 1pcs Manual. DLS recommends using insulation and/or sound deadening material in car doors to reduce noise and prevent rattles. For guidance on door insulation, consult your DLS distributor.

Product Usage Instructions

Pre Installation

1. Before replacing speakers, disconnect and secure the negative terminal of the battery/power source to prevent any risk of damage.
2. Place the disconnected terminal in a secure and isolated location away from any possible connection belonging to the battery/power source system.

Installation

General Installation

Mount the speakers in the A-pillar, dashboard, or high up in the car door. If the factory pre-made mounting holes and OEM placements do not fit, modifications may be required. To improve sound and reinforcement, use a rigid baffle of MDF-board or similar material. Adjust the speaker direction towards the listener for more high-frequency response if needed. The RC3C speaker can be used with or without a cup/chamber (Not included).

NOTE:

Properly fasten the speakers to avoid bad sound or rattling.

Welcome to DLS!

Thank you for buying a DLS Reference RC3C. For us, it's all about the sound experience. We care deeply about sound and construction quality. In order for your experience to be as optimal as possible, it is important that you read this manual, preferably before you start your installation. Keep the manual in a safe and accessible place for future reference.

Your speakers must be installed correctly in order to work as intended. Make sure you have all necessary tools nearby before starting and that you are completely confident in how to proceed. If you feel the slightest uncertainty; feel free to take the help of an experienced installer or a car audio dealer.

Warranty

This midrange speaker is covered by warranty, depending on the conditions in the country where it is sold. If the speaker is returned for service, please include the original dated receipt with the product.

General

Some sound systems may vary in size and location of the speaker placements. Make sure that your vehicle has the same size as this speaker, before you start the assembly.

DECLARATION OF CONFORMITY

DLS Performance speakers for vehicles are manufactured in accordance with the EU directive EEC 95/54 (72/245/ EEC) and are marked with the approval number. They are also marked in accordance with the WEEE-directive 2012/19/EC. The products are also produced in accordance with the EU RoHS directive 2015/863/EU.

Included parts

Included products:

- 2pcs Midrange components

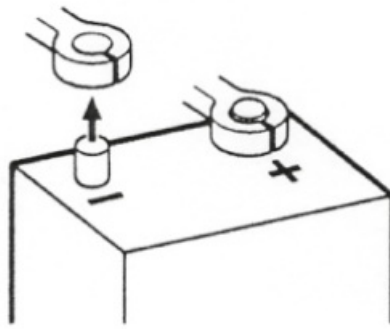
Included in box:

- 8pcs V-type clips
- 8pcs Screws
- 2pcs Grills
- 1pcs Manual

Pre installation

Disconnect Battery

- Before you start the process of replacing speakers, disconnect and secure the negative terminal from your battery/power source. This will prevent the risk of damaging yourself or the products.
- Place the disconnected terminal in a secure and isolated location away from any possible connection belonging to the battery/power source system.



Installation

General installation

Mount the speakers in the A-pillar, dashboard or high up in the car door. They may fit in the factory pre-made mounting holes and OEM placements, if not you might have to modify the fitting. If you want to improve the sound and reinforcement you can use a rigid baffle of MDF-board or similar. You can also direct the speaker more on-axis towards the listener for more high frequency response if needed. The RC3C speaker can be used with and without a cup/chamber (Not included).

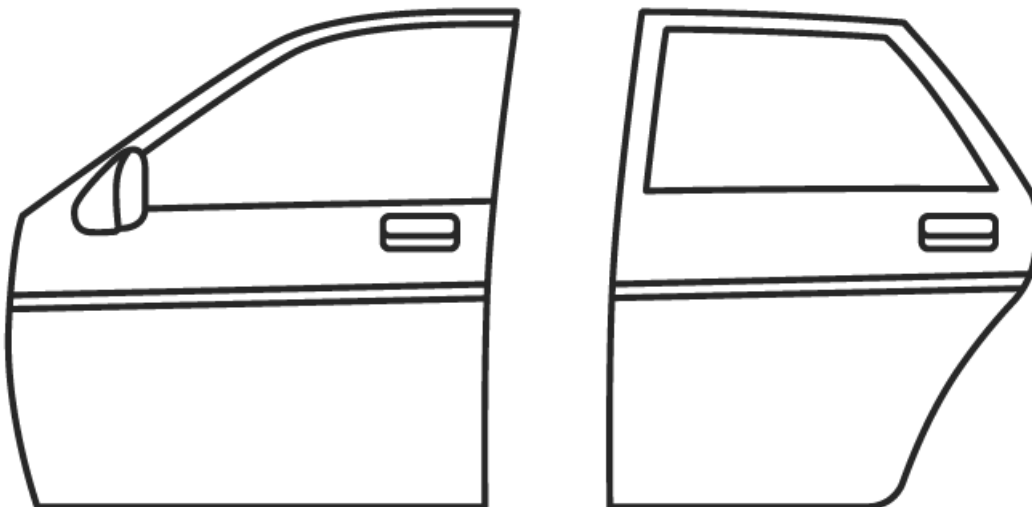
Recommended crossover settings:

- HPF 12dB/180Hz – 500Hz
- LPF 12dB/3500Hz – 10000Hz

NOTE! It is important to fasten the speakers properly in order to avoid bad sound or rattling.

Door insulation

- DLS recommends using insulation and/or sound deadening in the car doors. It lowers the noise from the road/tires and prevent rattles and other noises from plastic details in the doors.
- If you need help deciding what type of door insulation you should use, ask your DLS distributor for info and guidance.



Running-in time

- Allow the speakers to play for at least 15-20 hours in order to perform at its possibly best. This run-in can be

made with tone sweep or with just music.

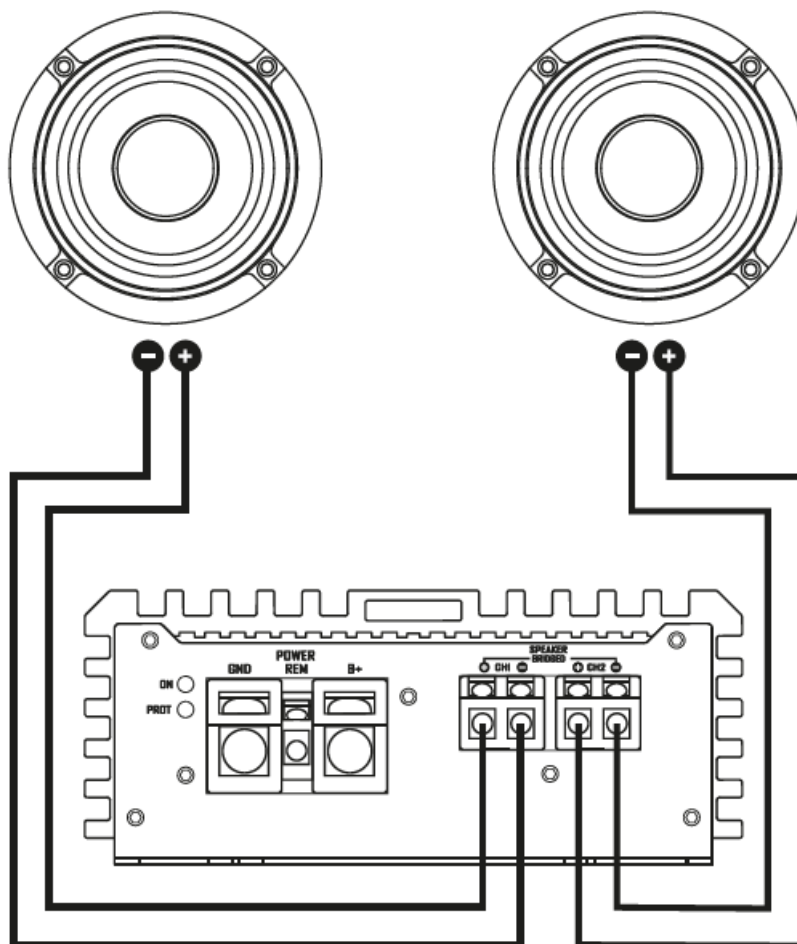
- Start at a moderate volume and increase the volume step by step during the running in period. After the 15-20 hour run in session the performance and characteristics will be in the correct condition.



DLS support

For technical assistance, ask your car audio dealer where the product was sold or the distributor in your country. You can always contact DLS Helpdesk in Sweden at e-mail: info@dls.se. Information can also be found on our WEB-site www.dls.se. We follow a policy of continuous advancement in development. For this reason, all or part of specifications and designs may be changed without prior notice.

Wiring diagram



Specifications

Art. no/CD-RC3C

- Woofer 3" / 70mm
- RMS Power 50W
- MAX Power 100W
- Impedance 4 Ohm
- Sensitivity 85.4dB 1W/1M
- Freq. range 100-12000Hz

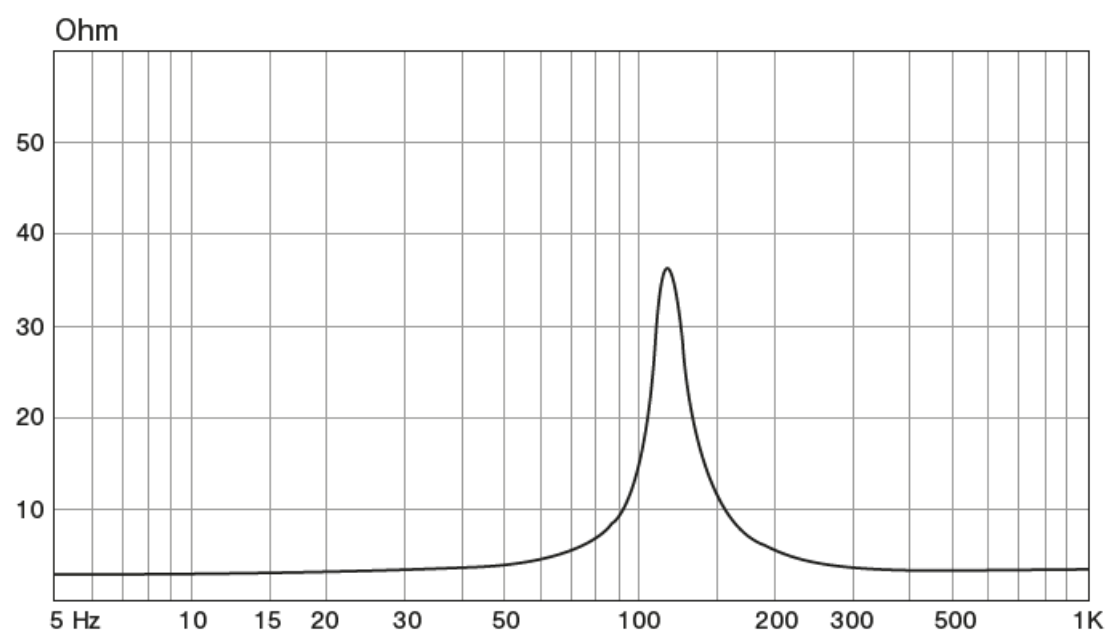
Technical specifications

- Voice coil size 1"/25mm
- Voice coil material Copper voice coil/Kapton® former
- Basket Anti-resonance, aluminum basket
- Magnet High grade neodymium magnet
- Cone Coated wood fibre cone
- Dust cap Rubber dust cap
- Spider Nomex® spider
- Copper shorting ring Yes

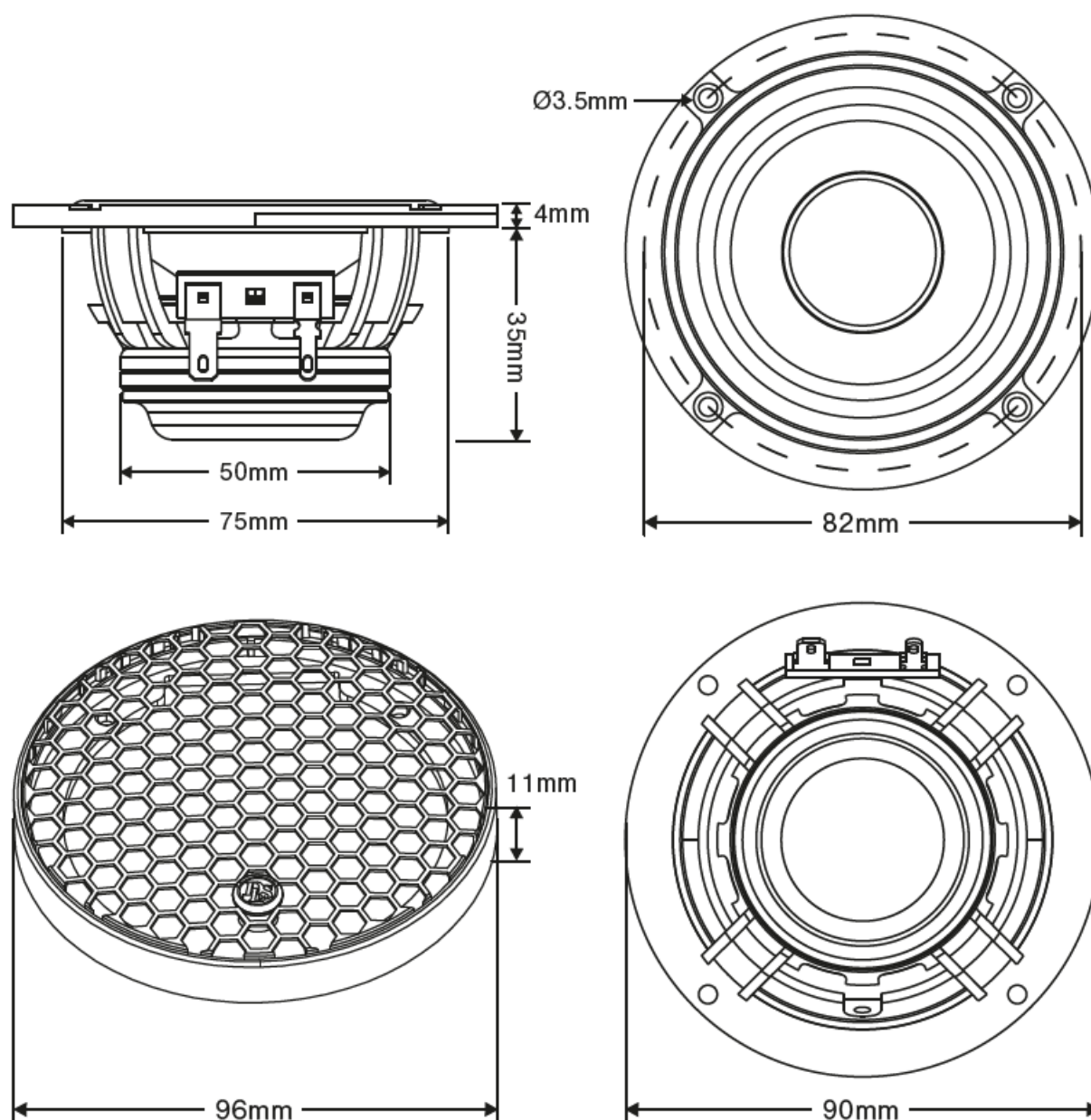
Electro-Acoustic Parameters

- Re 3.0 Ohm
- Fs 115Hz
- Mms 3.1gr
- Cms 0.62
- Vas 0.8L
- Qts 0.52
- Qes 0.57
- Qms 6.31
- BI 3.4T.m
- SPL 85.4dB 1W/1M
- Sd 31cm²

Impedance VS Frequency



Dimensions



Product markings

- The crossed-out wheelee bin symbol means that the product, literature and packaging included must be taken to separate collection at the end of their working life. Do not dispose of these products as unsorted municipal waste: take them for recycling. For info on your nearest recycling point, check with your local waste authority.



- This product has been granted with the CE certification mark to show that the product follows the health, safety, and environmental protection standards for products sold within the European Economic Area (EEA).



- DLS products complies with the relevant provisions of the RoHS Directive for the European Union. In common with all Electrical and Electronic Equipment (EEE) the product should not be disposed of as household waste. Alternative arrangements may apply in other jurisdictions.



- DLS is a global partner of the European Mobile Media Association, an organisation that focus on promoting the custom made mobile media installations to consumers.



We follow a policy of continuous advancement in development. For this reason all or part of specifications & designs may be changed without prior notice. We reserve for possible typos, factual or numeric errors that may have been printed on any products, package designs, user manuals and/or other included accessories.

Documents / Resources

	<p>DLS RC3C 3 Inch Midrange Component [pdf] User Manual RC3C 3 Inch Midrange Component, RC3C, 3 Inch Midrange Component, Midrange Component , Component</p>
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References

-  [DLS – audio for life](#)