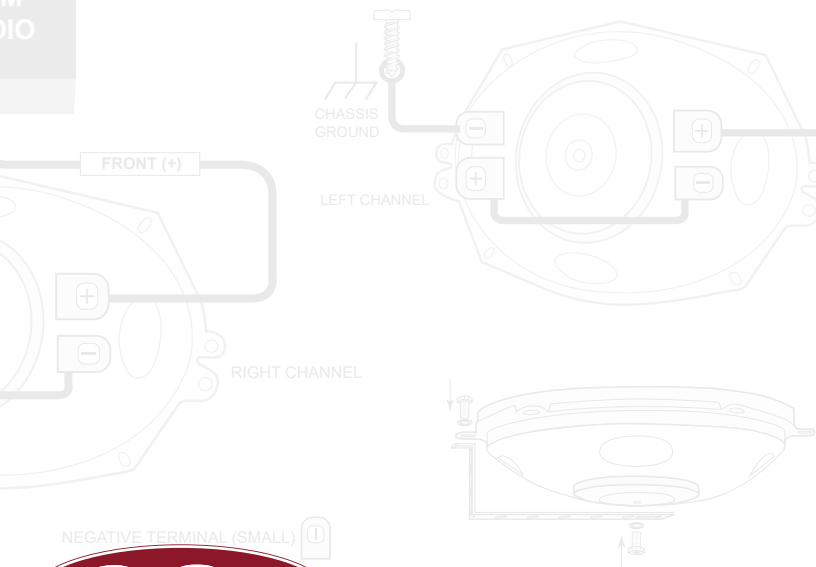


# STEREO DASH SPEAKERS

## USER MANUAL

M  
DIO

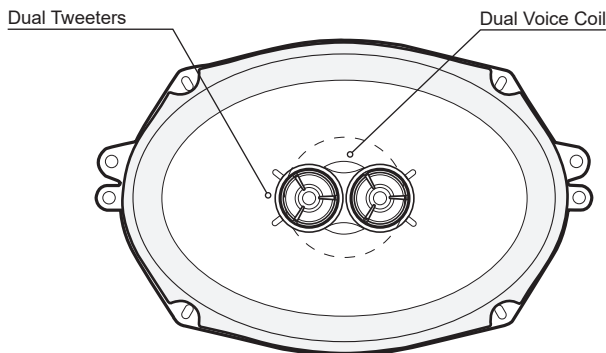


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# WELCOME

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Thank you for purchasing a RetroSound® Stereo Dash Speaker. RetroSound® Stereo Dash Speakers feature a dual voice coil design with two flush mount tweeters and deliver a stereo mix from a single speaker location. These speakers offer high power handling with excellent bass response in a slim design for when space is at a premium. The dip-cut backplate allows for extended pole piece excursion, providing more powerful bass tones with little to no distortion. An 8 ohm wiring kit is included for use with OE factory radios.



The information enclosed in this manual is to be used as a guide to assist you with installation and operation of your speakers. This guide does not cover every installation possibility, vehicle, or every aspect of the installation process.

Retro Manufacturing, LLC, or its subsidiaries, assume no responsibility for any installation. This manual may be updated from time to time.

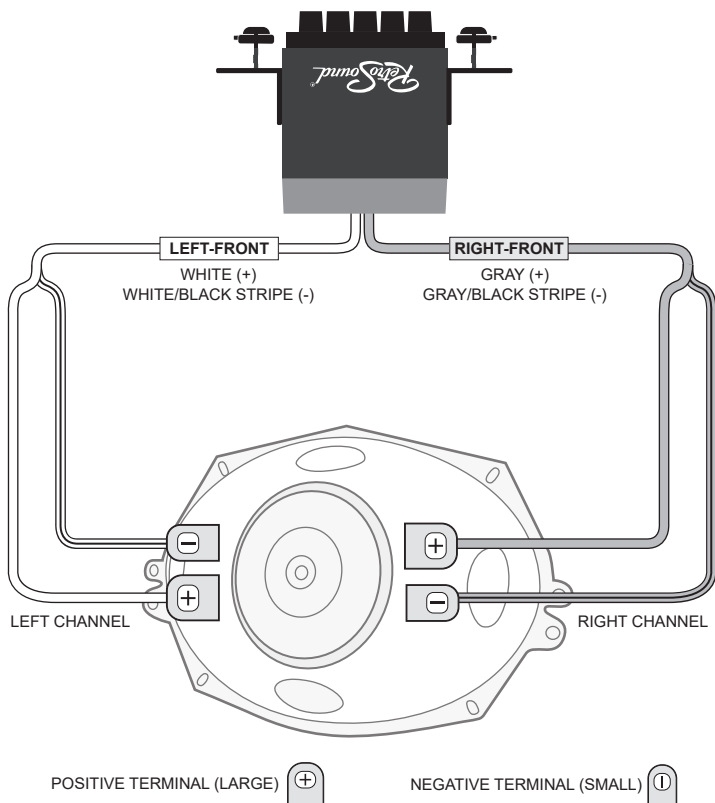
Visit our support website for the latest version  
**[help.retromanufacturing.com](http://help.retromanufacturing.com)**

# RETROSOUND WIRING DIAGRAM

RetroSound® Stereo Dash Speakers allow you to connect both the left and right stereo channels to a single speaker, offering a stereo mix from a single speaker location.

**WARNING:** This wiring method is for aftermarket radios rated at 4 ohms

## RetroSound® Radio

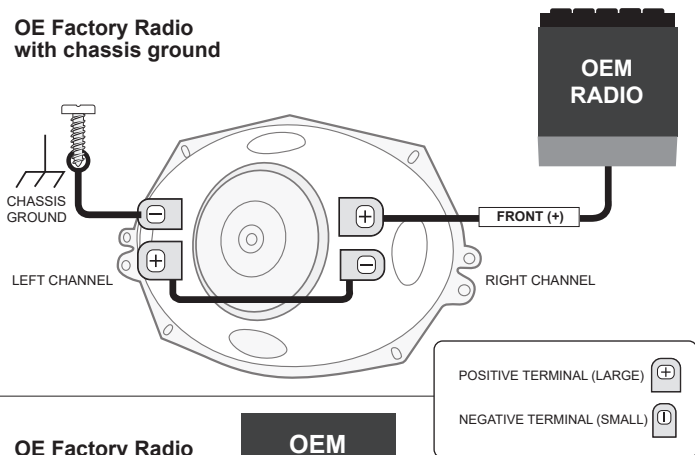


# OEM WIRING DIAGRAM

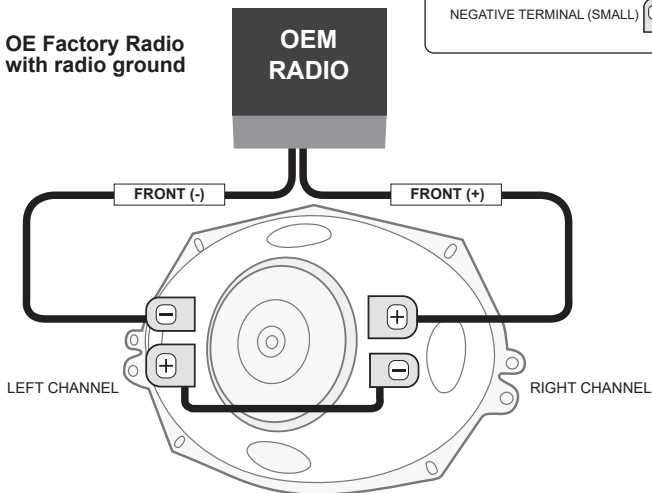
RetroSound® Stereo Dash Speakers can also be wired in series using the included 8 ohm wiring kit for factory radios requiring an 8 ohm speaker.

**WARNING:** These wiring methods are only for OE factory radios rated at 8 to 10 ohms

## OE Factory Radio with chassis ground



## OE Factory Radio with radio ground

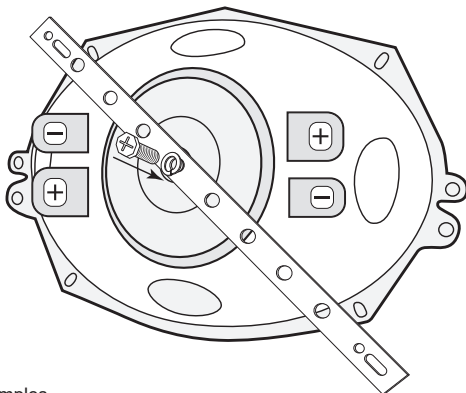


# SPEAKER BRACKETS

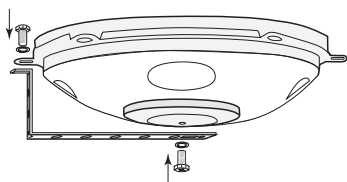
## Universal Speaker Bracket RS-UB1KT

This 14-inch bracket, when installed in the threaded mounting point at the rear of our dash speaker, allows you to make your own custom speaker bracket. You can also modify the bracket to solve challenging installations where no other options are available. The RS-UB1KT Bracket is included with select models or sold separately at [www.retromanufacturing.com](http://www.retromanufacturing.com)

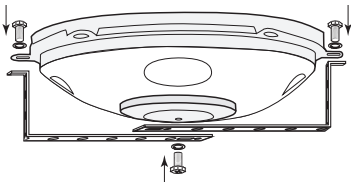
### RS-UB1KT Bracket



### Mounting Examples



"L" Bracket Mount



Horizontal Mount (two brackets)

## Additional Mounting Brackets

RetroSound® offers other specialty brackets for specific makes and models, if the Universal Speaker Bracket isn't right for your installation, consider the following brackets instead: RS-SB01 (Chevelle style bracket), RS-SB02 (Camaro/Firebird style bracket), RS-SB03 (for 4" x 10" speakers), or the RS-SB04 (for 5" x 7" speakers).

# SPECIFICATIONS

Specifications are subject to change without notice.

## RetroSound® Stereo Dash Speakers

MODEL	D-52	D-62	D-572	D-412
Nominal Diameter (Inch)	5.25	6.5	5 x 7	4 x 10
Description	DVC	DVC	DVC	DVC
Nominal Impedance	4+4 ohm	4+4 ohm	4+4 ohm	4+4 ohm
Frequency Response	60Hz-21kHz	50Hz-21kHz	48Hz-21kHz	43Hz-21kHz
Sensitivity (SPL@1w/1m)	87dB	87dB	87dB	87dB
Power Handling (watts RMS/max)	25/50	40/80	40/80	25/50
Speaker Grill	NO	NO	NO	NO
Mounting Depth (Inch)	2.24	2.48	2.51	2.75
Mounting Depth (mm)	57	63	64	70

## RetroSound® Premium Stereo Dash Speakers (ultra-thin)

MODEL	R-48N	R-410N	R-57N
Nominal Diameter (Inch)	4 x 8	4 x 10	5 x 7
Description	DVC	DVC	DVC
Nominal Impedance	4+4 ohm	4+4 ohm	4+4 ohm
Frequency Response	65Hz-21kHz	43Hz-21kHz	65Hz-21kHz
Sensitivity (SPL@1w/1m)	87dB	87dB	87dB
Power Handling (watts RMS/max)	60/120	90/160	60/100
Speaker Grill	NO	NO	NO
Mounting Depth (Inch)	2.06	2.32	1.98
Mounting Depth (mm)	52.5	59	50.5

MODEL	R-507N	R-65N	R-69N
Nominal Diameter (Inch)	5 x 7	6.5	6 x 9
Description	DVC	DVC	DVC
Nominal Impedance	4+4 ohm	4+4 ohm	4+4 ohm
Frequency Response	65Hz-21kHz	52Hz-21kHz	40Hz-21kHz
Sensitivity (SPL@1w/1m)	87dB	87dB	90dB
Power Handling (watts RMS/max)	40/80	50/100	100/200
Speaker Grill	NO	NO	NO
Mounting Depth (Inch)	2.22	2.36	2.23
Mounting Depth (mm)	56.5	60	59

# LIMITED WARRANTY

Your unit comes with a manufacturer's warranty covering any defects in materials and workmanship. Retro Manufacturing, LLC (collectively referred to as "the warranter"), at its option, will either (a) repair your unit with new or refurbished parts or (b) replace it with a new or refurbished unit. The warranty period starts from the original purchase date and is valid for the length of time indicated in the chart below. The decision to repair or replace will be made by the warranter.

ITEM	WARRANTY
Speakers	One (1) Year

During the "Parts" warranty period, there will be no charge for parts. You must mail in your unit during the warranty period at your expense. This warranty only applies to products purchased directly from Retro Manufacturing or an authorized dealer. This warranty is extended only to the original purchaser of a new product that was not sold "as is." A purchase receipt or other proof of the original purchase date is required for warranty service.

To handle a warranty issue, contact us at [tech@retromanufacturing.com](mailto:tech@retromanufacturing.com) or **888.325.1555** for a Return Authorization (RA) number. A RA number must accompany all returns and warranty issues. Any product received without a RA number will be refused.

## LIMITED WARRANTY-LIMITS AND EXCLUSIONS

This warranty **ONLY COVERS** failures due to defects in materials and workmanship and **DOES NOT COVER** normal wear and tear or cosmetic damage. The warranty **ALSO DOES NOT COVER** damages that occurred during shipment, failures which are caused by products not supplied by the warranter, failures that result from accident, misuse, abuse, neglect, bug infestation, mishandling, misapplication, alteration, faulty installation, set-up adjustment, maladjustment of consumer control, improper maintenance, improper antenna, inadequate signal reception or pickup, power line surge, improper voltage supply, lightning, modification, commercial use (such as use in hotels, offices, restaurants, or other business uses) or rental use of the product, or service by anyone other than Retro Manufacturing, LLC, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER LIMITED WARRANTY. THE WARRANTER IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS UNIT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, the cost of having someone remove or re-install an installed unit if applicable, travel to and from the servicer, and loss of media, data, or other memory contents. The items listed are not exclusive but are for illustration only.) ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. If a problem with this unit develops during or after the warranty period, you may contact your dealer or Retro Manufacturing, LLC.



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