

R2-S65C

R-Series 2022 – Component 2-Way Speaker

Hi-Res
AUDIO

R
SERIES

General



Powerful Bass with High Clarity

Meet the 3rd generation of R-Series speakers: engineered to deliver high bass power while maintaining extreme sound clarity. The R-Series speakers include both component and coaxial models. You can even choose from a Professional (PRO series) and Standard speaker line to fit your desired sound quality and budget.



Glass-Fiber Reinforced Cone

The door woofer speaker feature all-new glass-fiber reinforced cones. This material is very durable and extremely light-weight, resulting in a super-fast response and highly accurate music reproduction.



H.A.M.R. Surround

Alpine's H.A.M.R. Surround (High-Amplitude-Multi-Roll) allows for a maximum cone excursion, while maintaining excellent control. This results in strong bass at high volumes without distortion.



Composite Basket and Large Magnets

The standard models (R2-S65C, R2-S65, R2-S69C and R2-S69) feature composite baskets (in comparison to the aluminum die-cast baskets of the PRO models). This makes these speakers more affordable while still providing excellent stability.



Flexible PRO X-Over Network

This small X-Over networks are very easy to install – in many cases you can keep the original wiring in the vehicle's doors by simply putting this network in, saving lots of time during installation. You can adjust the tweeter level by -3 dB / 0 dB / +3 dB.



Easy-Fit Tweeter in OEM Locations

You can easily remove the installation frame and the trim ring of the R-Series tweeter to minimize its overall size and diameter. The tweeter itself is then small enough to fit it in many OEM tweeter locations (inside A-pillars, mirror triangles or door panels) for a stealthy installation. The component and coaxial models include a mounting frame that features the well-known swivel mechanism to reduce phase problems at non-optimal mounting positions.

Specifications

General

- 16,5 cm (6,5") component 2-way speakers
- 16,5 cm (6,5") Glass Fiber Reinforced woofer
- 2,5 cm (1") Magnesium Hard-Dome tweeter
- High-quality black speaker grills in hexagon design, which do not increase the overall speaker installation diameter
- Various mounting adapters for the tweeters included in package
- Ferrite magnet and 35 mm voice coil for higher bass performance as well as less distortion
- Improved bass performance due to H.A.M.R. Surround
- Composite basket for high stability
- Tweeter level reduction in crossover 0, -3, -6 dB

Tweeter

- Tweeter design: 2,5 cm (1") Magnesium Hard-Dome tweeter
- Hi-Res Audio Certified with up to 40 kHz frequency response
- Large aluminium voice coil and neodymium magnet
- Swivel Application (mounting ring included)
- Flush-mount / On-dash mounting options

Woofer

- Glass Fiber Reinforced cone
- Linear Drive technology
- H.A.M.R. Surround
- Large aluminium voice coil
- Aluminium square wire for transferring high amplifier power
- Ferrite magnet
- Hexagon cover grille with maximum basket size
- Mounting adapter kit included

Technical Data

- Peak power: 300 Watt
- RMS power: 100 Watt
- Woofer mounting diameter: 135,2 mm
- Woofer mounting depth: 62,6 mm
- Woofer total height (without grille): 74,7 mm
- Tweeter mounting diameter: 43 / 51 mm
- Tweeter mounting depth: at least 16,6 mm
- Frequency response: 65 Hz - 40 kHz
- Impedance: 4 Ohm
- Sensitivity: 88 dB/W (1m)

R-Series 2022 – Component 2-Way Speaker



Technical drawings of the LPLINE 1000W LED light fixture showing dimensions in mm and inches.

Top View:

- Outer diameter: 108.9MM (4-9/32")
- Inner diameter: $\Phi 165\text{MM}$ (6-1/2")
- Bottom diameter: 108.9MM (4-9/32")
- 4- $\Phi 4.5\text{MM}$ HOLE (3/16")

Side View:

- Top thickness: 21.3MM (27/32")
- Side thickness: $\Phi 160.8\text{MM}$ (6-11/32")

Front View:

- Top width: 62.6MM (2-1/2")
- Side width: $\Phi 135.2\text{MM}$ (5-3/8")
- Bottom width: 100MM (3-15/16")
- Bottom thickness: 7MM (1/4")
- Bottom width: 12.1MM (1/2")

Detail Views:

- LED Chip:** $\Phi 58\text{MM}$ (2-1/4"), 17.6MM (11/16"), 8.5MM (11/32"), 51MM (2")
- LED Strip:** 8MM (5/16"), 60MM (2-3/8")
- LED Chip (Small):** $\Phi 43\text{MM}$ (1-3/4"), 800MM (31-1/2"), 16.6MM (5/8")
- LED Chip (Small):** 30.1MM (1-3/16"), 37.6MM (1-1/2"), 71MM (2-3/4"), 320MM (12-5/8")

Wiring:

- Black stripe
- Black stripe