

R2-A75M

R-Series 2023 – Mono Power Amplifier

Class-D

R SERIES



General



Trickle Down Technology

Using “trickle-down” technology, design inspirations, and performance cues from the Ultra-High-Resolution Alpine F#1Status system, the next-generation R-Series amplifiers feature High-Resolution playback capabilities that will take this legendary system to the next level in sound performance.



Made for R-Series Speakers & Subs

The R-Series amplifiers are designed to perfectly match the Alpine R-Series speaker and subwoofer line for perfect system building. R-Series components are designed to be played loud, for a fun and great sounding experience including Hi-Res Audio capabilities.



Reduced Footprint

The R2-A75M features a reduced footprint that's 15% smaller than the previous model (R-M75M), making it easier than ever to install in most vehicle applications, while still getting the same powerhouse performance.



Extensive Tuning Options & Top Panel Controls

The R2-A75M features intentional design choices that prioritize convenience and simplicity. All speaker connections are consolidated on one side of the device for easy access, while the amplifier controls have been relocated to the top under a removable plate, allowing for quick adjustments to gain and crossover controls. The amplifier's chassis also includes integrated mounting “feet” to streamline the installation process.



Remote Bass Knob Ready (RUX-KNOB2)

You can connect the RUX-KNOB2 remote bass knob (optionally available) to the R2-A75M to control the subwoofer gain level straight from your dash. It also allows you to control multiple amplifiers from just one controller.

Specifications

General

- Heat sink in a modern design with black anodized surface in hair-line design
- Mono power amplifier (Class-D)
- 1 pair RCA inputs (high-level / low-level with remote sensing)
- Thermal Management Control
- Overload protection circuit
- DC-DC PWM power pack (pulse width modulated)
- Multi-layer circuit board design
- Adjustable input sensitivity
- Control buttons on the top side
- Blue status LED
- Angled speaker terminals (up to 8 AWG)
- Angled power terminals (up to 4 AWG)
- Remote Bass Control Ready (RUX-KNOB2 optional)

Technical specifications

- Adjustable Crossover:
 - LPF: 50 Hz – 400 Hz (-24 dB/oct.)
 - Variable Subsonic Filter: 8 Hz – 40 Hz (-24 dB/oct.)
- Bass EQ: Fc = 50 Hz; 0 to +12 dB
- Remote Control Signal Level: 0 to -20 dB
- Fuses: 2x 40 A
- Frequency Response (Hi-Res): 10 Hz – 400 Hz (0, -3 dB)
- Damping Factor: >250 (100 Hz)
- Operating Voltage: 14,4 V DC (9-16 V)
- S/N Ratio: >102 dB
- THD+N (@10 W @4 Ohm): <0.04%
- Input Sensitivity (4Ω): 0,1 – 4,0 V (RCA)
0,4 – 10,0 V (High)
- Input Impedance: >10 kΩ

Power Ratings

- 1x 500 Watts RMS @ 4 Ω, 14,4 V
- 1x 750 Watts RMS @ 2 Ω, 14,4 V
- Max. power output 1500 Watts

Dimensions and Weight

- 282 mm x 55 mm x 165 mm (W x H x D)
- Weight 3,5 kg