

//////ALPINE

R-A90S

6/5/4/3 Channel Amplifier with Staggered Power



APPLICATION GUIDE

THE JOURNEY TO ALPINE SOUND

Since 1978, Alpine has challenged the status quo by creating innovative products that transform the in-vehicle entertainment experience. Our approach to sound reproduction strikes a chord with music lovers from all walks of life and motivates us to stay ahead of the curve by offering a unique upgrade path for the Journey to Alpine Sound.



ALPINE'S LEGENDARY R-SERIES SOUND

Alpine's R-Series line of speakers, subwoofers, and amplifiers have a **heritage of sound quality** that can be heard from a block away. Known as the "Loud and Fun" sound system, R-Series products are designed to be played loud yet still deliver a dependable performance and accurate sound reproduction.

SERIES

R-A90S PRODUCT OVERVIEW

Immerse Yourself in Alpine Sound with the Hi-Res R-A90S 6-Channel Power Amplifier. With the highest power output in its category, you'll hear the hair-raising details of your music with the most accurate sound reproduction for music that stays true to the artist's intention.

STAGGERED POWER

The most versatile amplifier in its class, the R-A90S has a staggered power channel layout that has double the amount of power on the 5th and 6th channels. With built-in bandpass, high pass, or low pass, the R-A90S can be used in various layouts for ultimate sound system flexibility.

ACCURATE IMAGING

The R-A90S has a smart and simplified circuit design along with dual post-filter feedback loops that correct internal noise and minimize phase shift. With the lowest phase shift of its kind, the R-A90s can deliver a proper center sound stage for more accurate music reproduction.

HI-RES SOUND

With the highest power output in its category, the R-A90S drives power to your sound system to create a big dynamic music range for the listener, reproducing high-frequency sounds up to 45k Hz for Hi-Resolution sound.



TECH SPECS

- Hi-Resolution Audio Compliant (40k Hz)
- CTA-2006
- Alpine's Class D Amplifier Circuit
- 75W x 4 + 150W x 2 (4Ω, 14.4V, < 1% THD +N)
- 100W x 4 + 250W x 2 (2Ω, 14.4V, < 1% THD +N)
- Bridged: 200W x 2 + 500W x 1 (4Ω, 14.4V, < 1% THD +N)
- S/N > 85dB (ref. 1W into 4Ω)
- THD + N < 0.03% (ref. 10W into 4Ω)
- Frequency response: 10-45kHz (0/-3dB)
- Damping factor > 500
- RUX-KNOB.2 Remote Bass Control Knob ready (sold separately)

5-CHANNEL

STANDARD SETUP



6-CHANNEL

3-WAY ACTIVE SETUP



Recommended Setup

6-CHANNEL

2-WAY BI-AMPED SYSTEM



CH. 3
75W



R-S65.2

CH. 5
150W



R-S69C.2

CH. 1
75W



R-S65.2



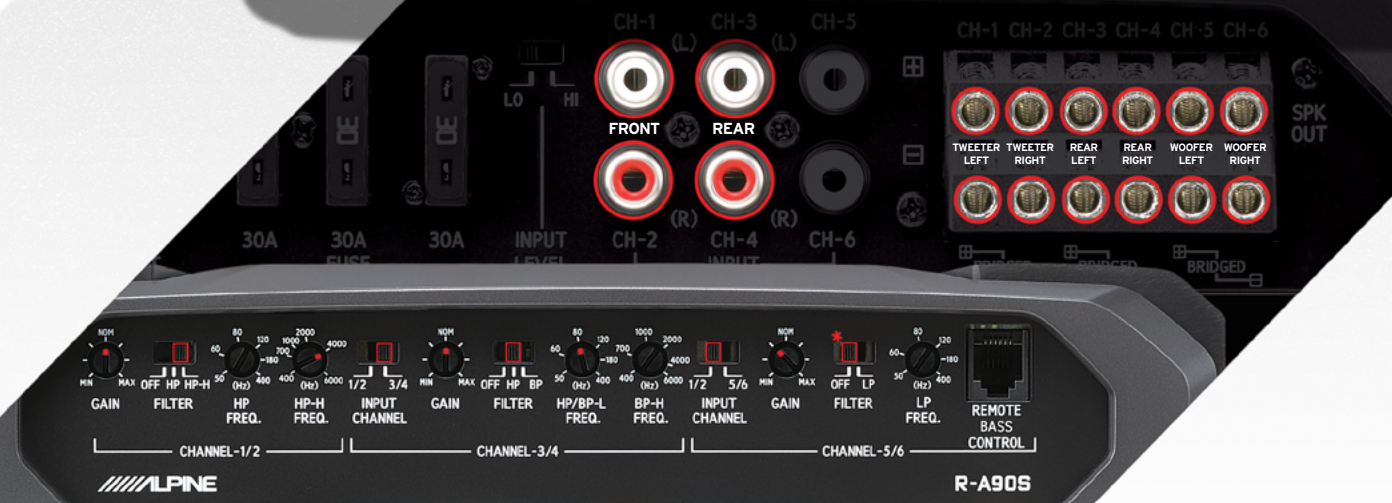
CH. 4
75W

R-S69C.2



CH. 6
150W

CH. 2
75W



Recommended Setup

*Use passive network terminal on woofer

4-CHANNEL

SIDE-BY-SIDE SETUP



CH. 5
150W

CH. 1+2
200W

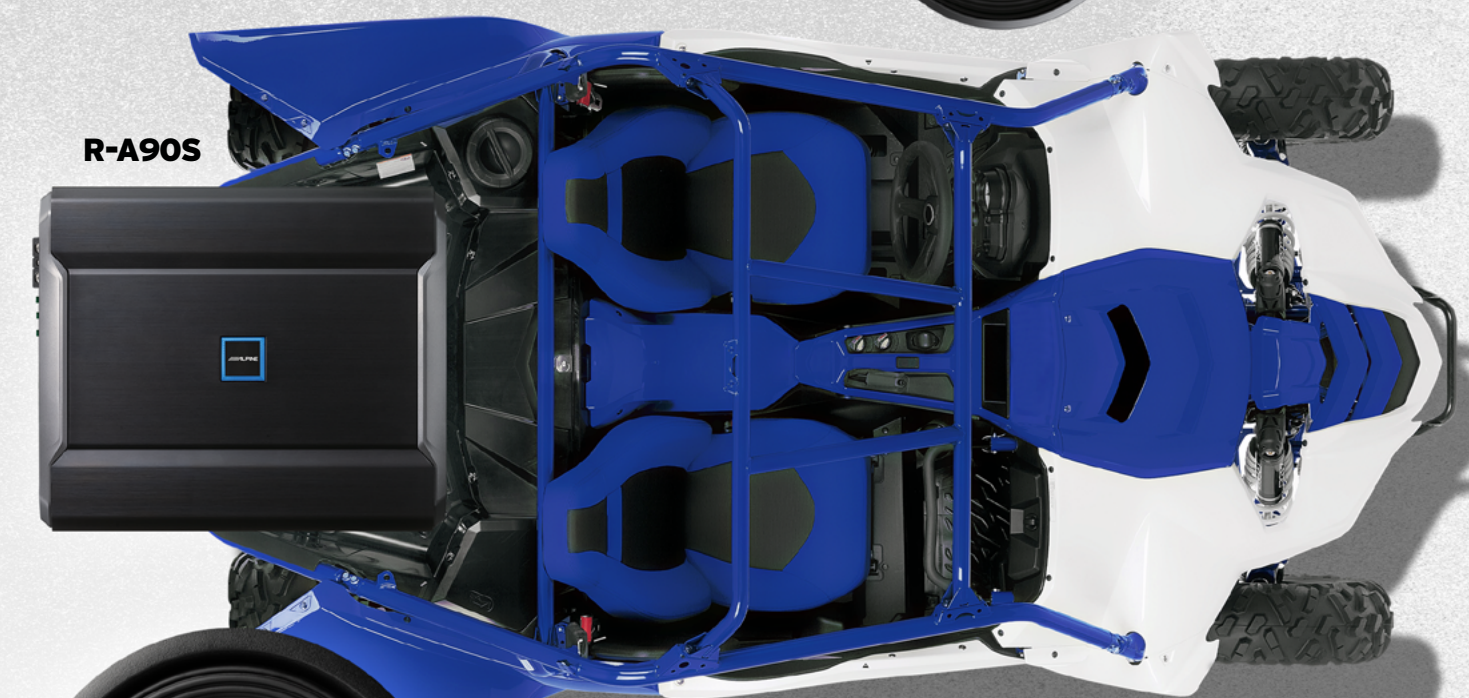
CH. 3+4
200W

CH. 6
150W

Recommended Setup



CH. 1+2
200W



R-A90S

CH. 5+6
500W

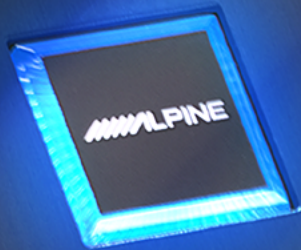
CH. 3+4
200W

S-W12D2

3-CHANNEL

Recommended Setup





REMOTE
BASS
CONTROL

R-A90S

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