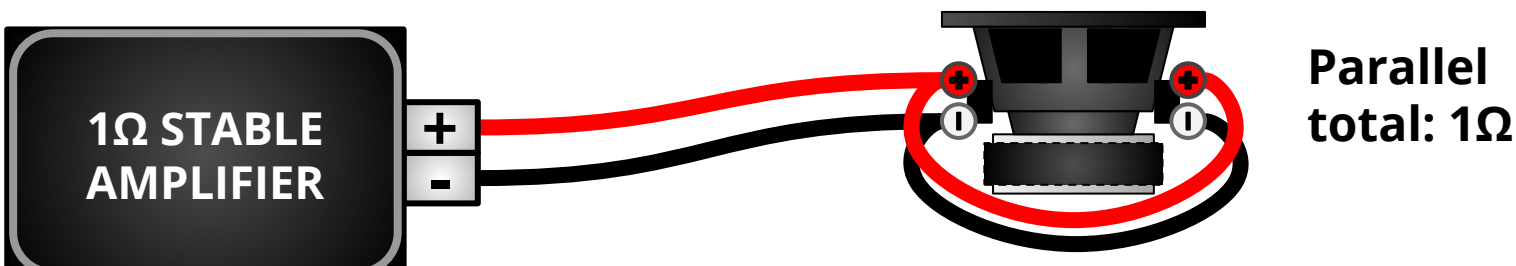


1 Ohm Stable Amplifier 2Ω DVC Subwoofer Wiring Diagram

SoundCertified.com

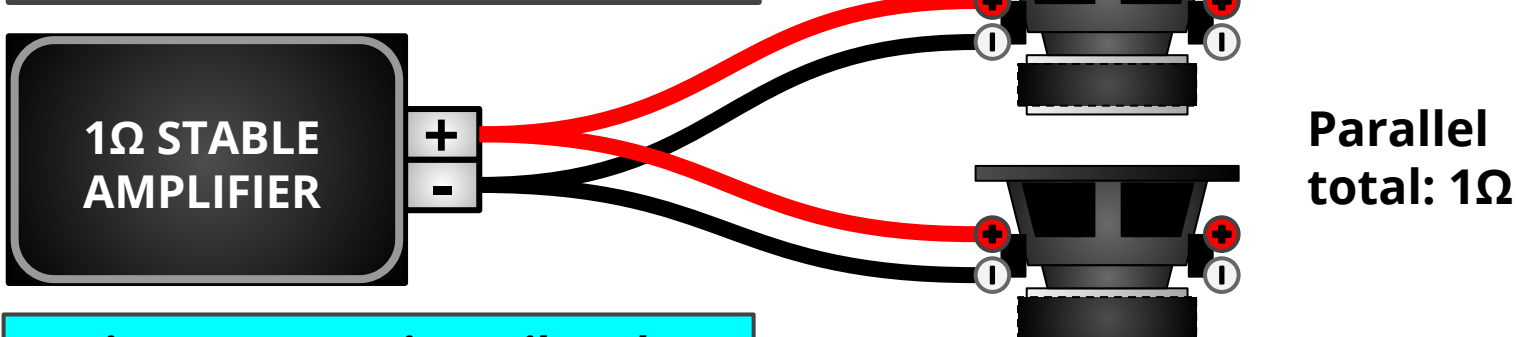
This diagram shows how to wire subwoofers for a 1Ω stable (mono) amplifier for the best compromise between Ohms load and power output. Wiring for 1 to 4 subs at 2Ω per voice coil is shown.

One 2Ω subwoofer



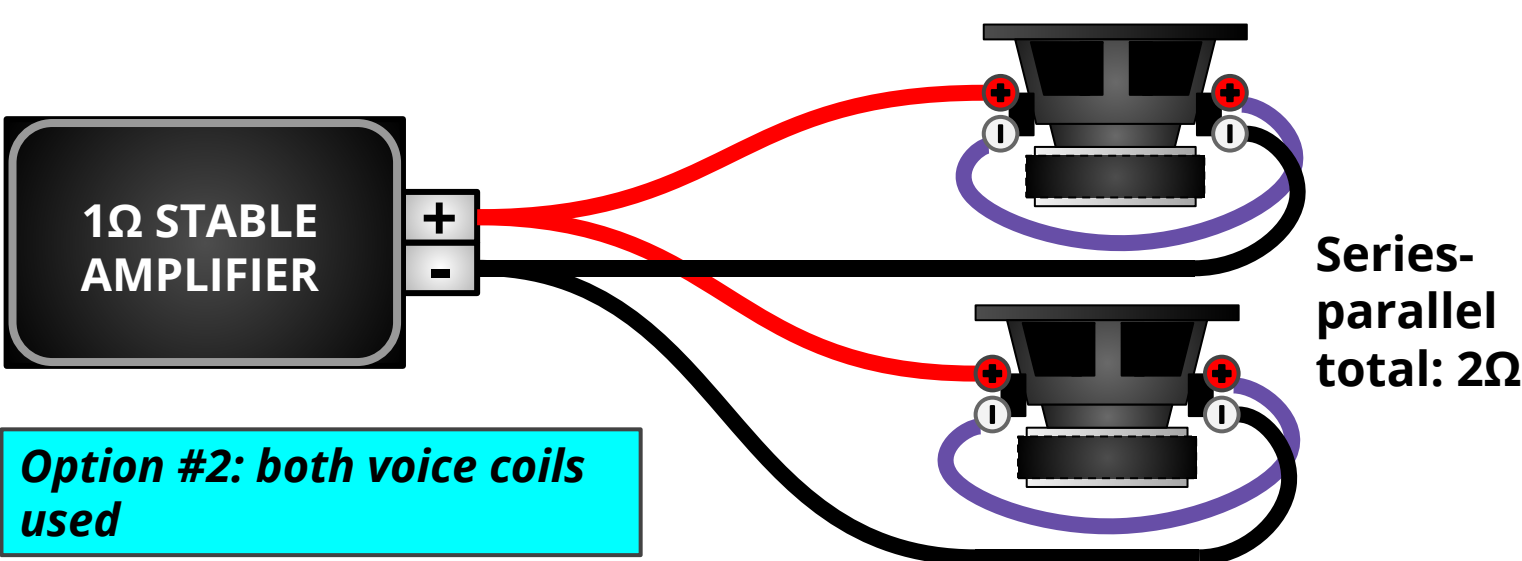
Result: GOOD! - This will deliver the maximum rated power from the amp. Each voice coil gets ½ of the power output and the subwoofer can be driven at full capacity.

Two 2Ω subwoofers



Option #1: one voice coil each

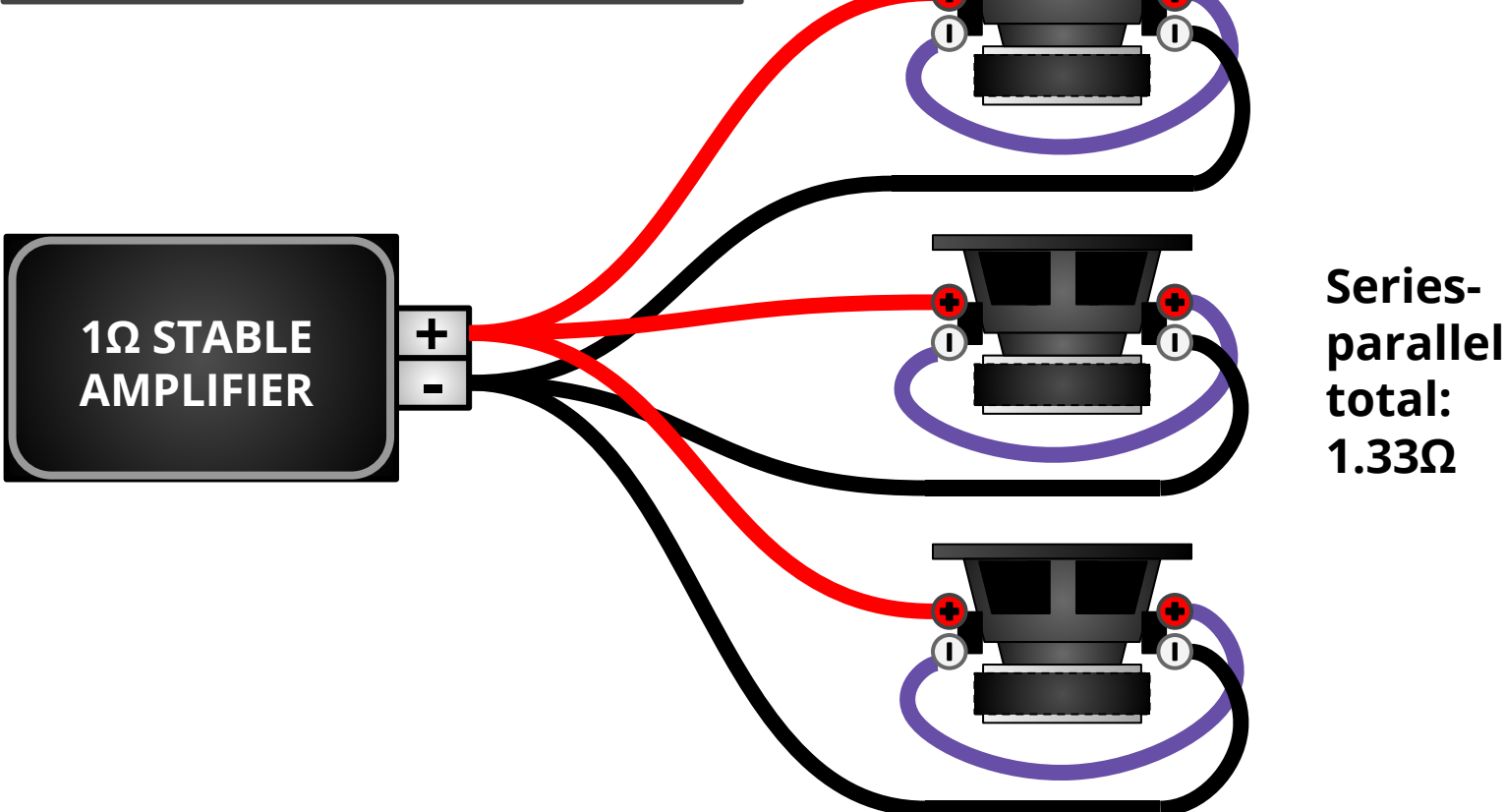
Result: GOOD/MAX POWER - This will deliver the maximum rated power from the amp, each sub with ½ of the power output. However, the voice coils will have more heat than driving both coils. Good for amps with less available power.



Option #2: both voice coils used

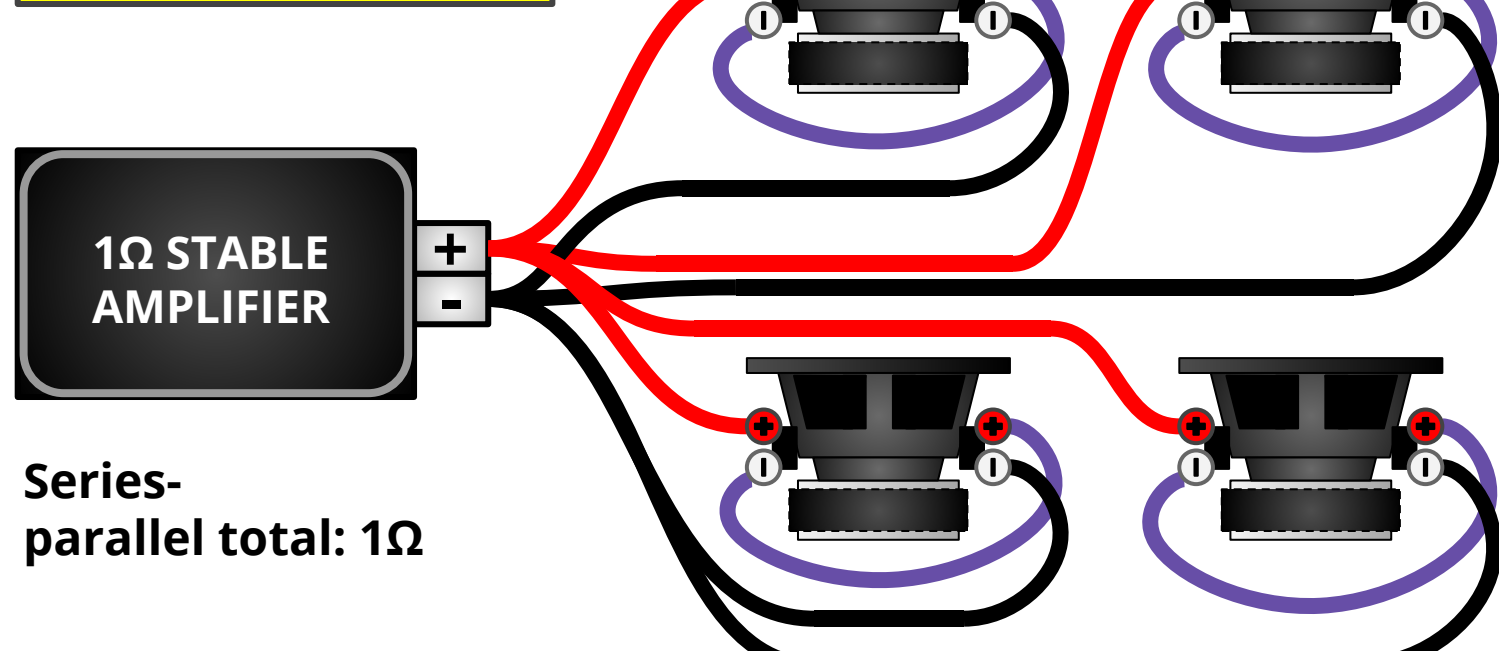
Result: OK - Amp output power will be ½ of that of a 1Ω total setup. Each subwoofer gets ½ of the power but each voice coil runs cooler than one alone. Good for amps with plenty of power at the subs' rated power handling.

Three 2Ω subwoofers



Result: GOOD - The amp will deliver close to its maximum rated power, distributed across all subs. Each subwoofer will receive ⅓ the total power output. As they're in series, each voice coil will have half the heat of using a single one. This is the only way to safely use three 2Ω DVC subs.

Four 2Ω subwoofers



Result: GOOD! - This will deliver the maximum rated power from the amp with each sub receiving ¼ the total power. Each voice coil runs cooler than using only one coil per sub as power is shared.