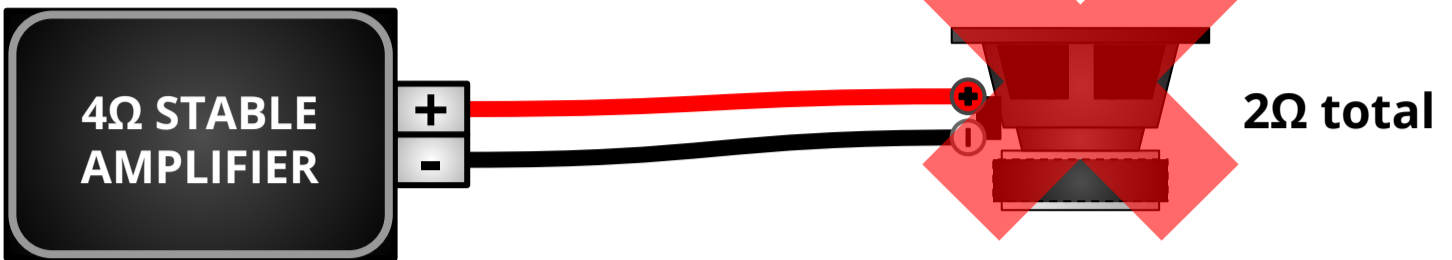


4 Ohm Stable Amplifier 2Ω SVC Subwoofer Wiring Diagram

SoundCertified.com

This diagram shows how to wire subwoofers for a 4Ω stable amplifier (mono or each channel for multi-channel amps) for the best compromise between Ohms load and power output. Wiring for 1 to 4 subs at 2Ω is shown.

One 2Ω subwoofer



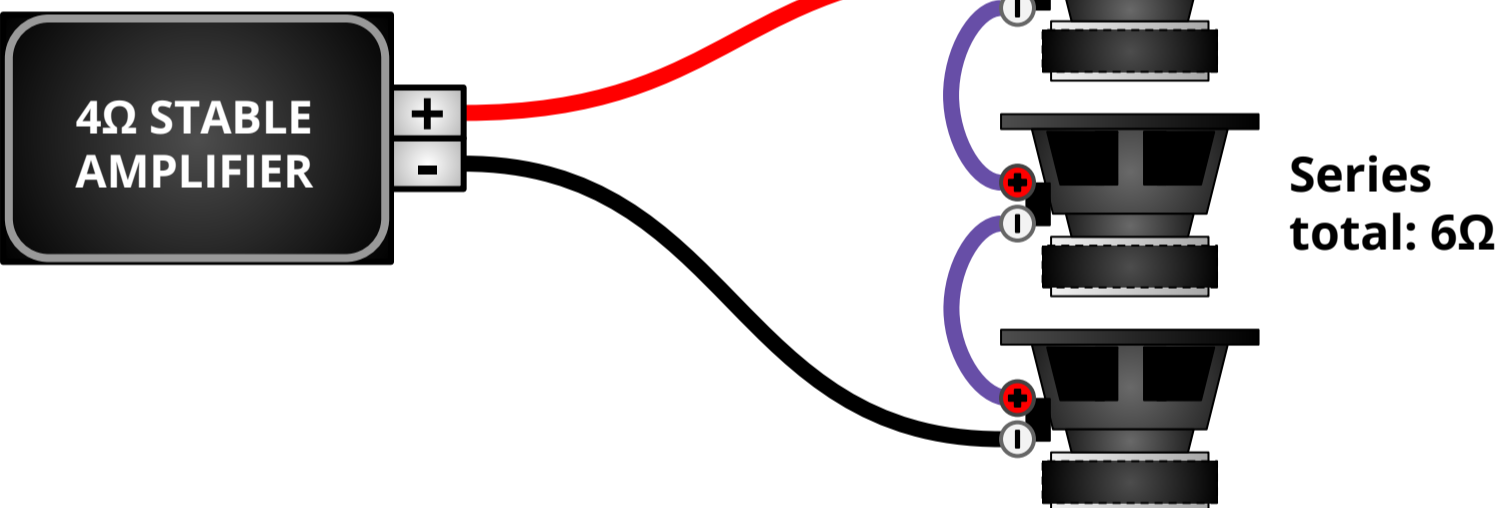
A 2Ω SVC speaker cannot be used with an amp channel rated for 4Ω. This will cause the amp to overheat and shut down or possibly burn out the channel outputs.

Two 2Ω subwoofers



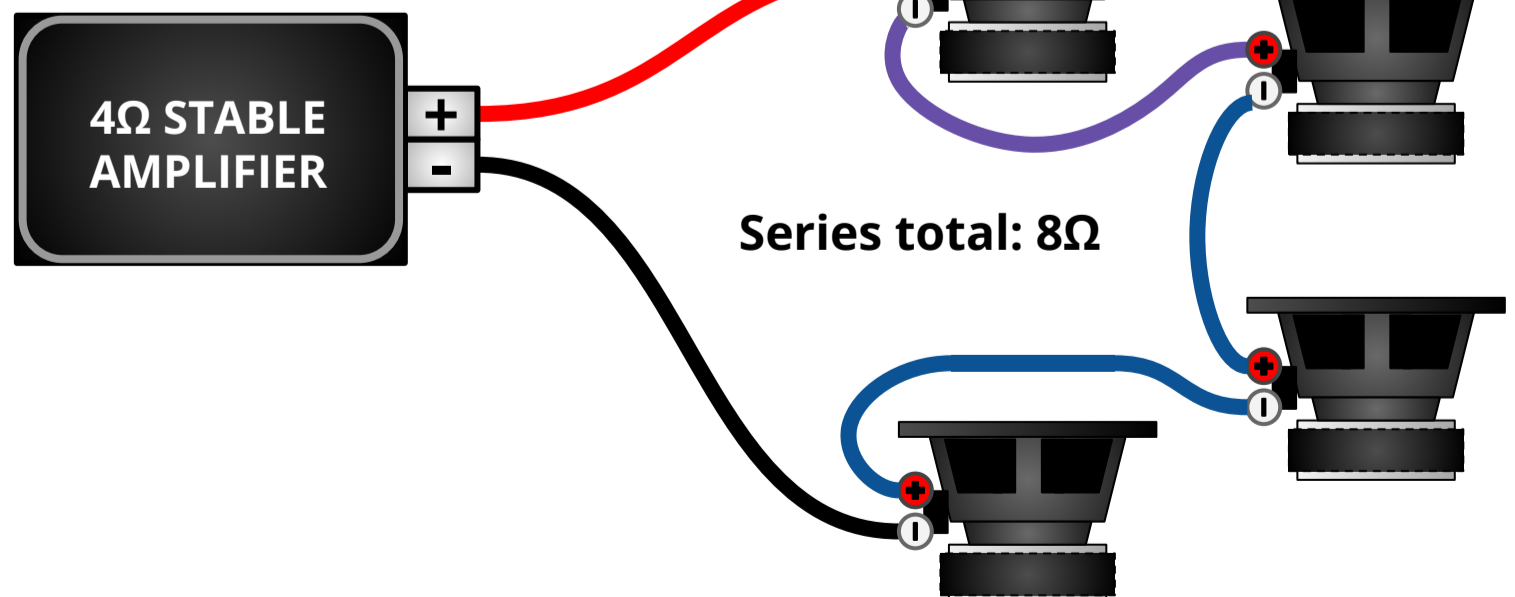
Result: OK - This will deliver the maximum rated power from the amp. Each subwoofer gets ½ of the max. rated power output.

Three 2Ω subwoofers



Result: NOT RECOMMENDED - This will reduce the total power delivered from the amp. Each sub will then have ⅓ of that power. However, you cannot wire 3x 2Ω SVC subwoofers otherwise. This works if you need to use 3 speakers but is not ideal for power.

Four 2Ω subwoofers



Result: NOT RECOMMENDED - The amp's power output will be ½ that of its 4Ω rated power. Each speaker will receive 1/4th of that, meaning minimum power developed across each. This is the only way to wire 4x 2Ω SVC speakers if needed but isn't ideal for power.