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Subject: Re: Is it possible to build the 4 Pi's as 16 ohm speakers?

Posted by [Wayne Parham](#) on Fri, 28 Dec 2001 03:05:11 GMT

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To use 16 ohm speakers, the crossover must be changed. The basic crossover should be scaled for a 16 ohm load, and the compensation circuit will have to be modified as well. I invite you to get a copy of Spice and to modify the basic crossover values and manipulate R1, R2 and C1 until you can make a network that provides the proper response curve for a 16 ohm compression driver. Be sure to modify the values for the drivers too to reflect 16 ohm parts instead of 8 ohm. The crossover frequency is high enough you don't have to worry about woofer resonance, but you'll want to change the values for Re and Le.