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Subject: 16 OHM & 8 OHM

Posted by [Ken.R](#) on Sun, 20 Aug 2006 00:15:37 GMT

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I have a question that may sound silly to most of you but I am not very experienced on crossovers and such. My question is can I use a 16 ohm driver such as JBL 2450j and also a JBL 2426h for a speaker system? I always thought that all the impedance of speakers and drivers had to match. I plan on having Wayne build the crossovers for these if this is something that is fine to do. Thanks Ken

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Subject: Re: 16 OHM & 8 OHM

Posted by [Wayne Parham](#) on Sun, 20 Aug 2006 03:30:42 GMT

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The driver's impedance is critical since it is a part of the circuit. Generally speaking, you don't use a passive crossover designed for an 8 ohm driver with a 16 ohm driver. It will usually move the crossover point, and since the crossover circuit will also likely be underdamped, there will be a peak in the crossover region. Here are some links that may be helpful for you: [Crossover Electronics 101 Schematics and Response Charts](#) [Speaker Crossover Document](#) [16 ohm tweeter crossover values](#)