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Subject: Blow Fuse!

Posted by [Tuffer](#) on Sun, 21 Jan 2007 14:33:02 GMT

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Hi Guys,I have been borrowing some of your crossover designs to try and improve my speakers which are used for mainly DJ use. I am using a Beyma 15G40 and PSD2002 in a vented box. I am using an Eminence PXB2:1k6 crossover.I have created an lpad using two 15 ohm resistors and a 0.47uf cap for compensation. The resistors are wirewound and so may be inductive. See a pic below.<http://www.tuffer.co.uk/cross1.jpg> I have also disconnected one end of the 10uf cap on the crossover to give me a pseudo first order filter on the woofer.<http://www.tuffer.co.uk/cross2.jpg> Was quite happy with the results. Attenuation is perhaps a little strong. 8db might have been better.On their first proper outing however both the fuses on the crossover board blew. They were being powered by a Behringer EP2500 so about 450w max to each cab. I wasn't present when they blew but was told that they weren't being driven particularly hard. I had been using these crossovers without the lpad or mod for some time without any problems.Can anyone tell me if what I have done looks OK ? Could any of these changes increased the likelihood of overload and the fuses blowing or is it just one of those things that happen ? Should I just replace them with stock Eminence fuse or something else ? Obviously while the fuses have done there job and protected the HF drivers I wan't these cabs to be as reliable as possible.Thanks for your help.

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