
Subject: What about 16ohm drivers

Posted by [Kim Schultz](#) on Tue, 26 Feb 2008 20:18:26 GMT

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Hi Wayne. I use Altec 902-16HF drivers in my front and center PI7 speakers, this is the normal 902 driver with a 16ohm voicecoil. After playing around with Spice and measuring the driver with the crossover, I arrived with these values: $R1 = 33\text{ohm}$ $R2 = 12\text{ohm}$ $C1 = 0.22\mu\text{F}$ This gives a load of about 9.5ohm on the crossover, where the normal lpad with the Eminence driver, gives a load of about 9.4ohm. All good so far, but I really can't seem to remember how to calculate how many db's this lpad is damping. Do you have another chart for 16ohm drivers on hand? I have another question regarding lpad with topend compensation. After much consideration I have bought four Eminence Beta 8A drivers, and eight BMS4524 drivers with 18Sound XT120 horns for my bipole surround speaker project. I will be running the BMS4524 drivers in series for a resistance of 14-16ohms. Can I just use the same lpad as above (if the sound levels match), or are there a better way to do this? I was thinking of using a single coil on the woofer, and a third order crossover at about 2200hz on the hf drivers. Btw, these drivers are excellent, they sound really nice and the horns are good too.
