
Subject: This is mainly my fault here, so let me clarify what is needed!

Posted by [spkrman57](#) on Fri, 17 Jan 2003 11:16:45 GMT

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Wayne, Tille has 806A Altec compression drivers which are 16 ohm, and JBL 2226J's which are 16 ohm. Tille will be driving with Paramour and Ella tubed amps, so power handling is not a issue. What IS needed is a 800 hz crossover made for 16 ohm drivers not 8 ohm like parts express makes. I know compensation/attenuation would be $R2 = 28$ ohms and $R1 = 60$ ohms with .33 ufd compensation cap. The problem arises because I ran the same system with 1.6khz crossover and 2mh on 2226J, R1 and R2 were 30 ohm and 14 ohm. So the woofer was taken care of at 16 ohm no problem(should have been 1.4 mh, but close for me) and the voltage division on the horn(even being 16 ohm) still worked out okay using the 8 ohm 1.6 khz hi pass(parts express again). But Tille needs the schematic for the 16 ohm crossover which will also include a zobel of 16 ufd and 15 ohm resistor. So this is really my fault since I got Tille started with the Altec horns/ and drivers, It's the 16 ohm deal that is the problem here. I have recommended 2nd order butterworth for hi and low pass as Altec used that with most of their classic Voice of the Theatre line and I have heard that it meshes best with the 811B/511B horns. Ron