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Subject: Beta-10 two Pi

Posted by [MaTJ](#) on Mon, 19 Nov 2001 16:11:53 GMT

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Hi, A friend of mine wants to build some: good sounding, small, efficient, cheap speakers that can also do bass. Well doesn't everybody want that, but I thought a pair of two Pi's using beta-10 drivers would come a long way. But I have still two questions about this setup: I picked the beta-10 for him because it can be run in a small enclosure (same as alpha-8) while still offering decent bass. There is one problem however. Due to the lower Qts, efficiency goes up above 1kHz and peaks at 3kHz. That isn't my idea of a nice sounding speaker. So we could put an inductor in series to roll off the highs but this would also give a 6dB steeper rolloff at X0 and problems matching the tweeter. An alternative would be to use a notch filter at +/- 2.5kHz, Or just accept a larger enclosure and use an alpha-10 for better sound. What would be the best solution? Thanks in advance, Marijn