Subject: Beta-10 two Pi Posted by MaTJ on Mon, 19 Nov 2001 16:11:53 GMT View Forum Message <> Reply to Message

Hi,A friend of mine want's 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 question 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 ofering 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 of the highsbut this would also give a 6dB steeper rollof at XO 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 a alpha-10 for better sound. What would be the best solution?Thanks in advance,Marijn

Subject: Re: Beta-10 two Pi Posted by Wayne Parham on Tue, 20 Nov 2001 05:25:35 GMT View Forum Message <> Reply to Message

Personally, I prefer the Alpha 10. You can use filters to revoice the Beta, but I think the Alpha sounds good without massaging. It offers deeper bass and smoother midrange.

Subject: Re: Beta-10 two Pi Posted by MaTJ on Tue, 20 Nov 2001 09:12:56 GMT View Forum Message <> Reply to Message

I believe most low qts. full range drivers actually do need some form of equalisation to sound balanced be it: acoustical (horns or a upper midrange absorber over the main cone), a fill in driver for bass and lower midrange, a notch filter or a digital eq.I don't want to listen to a lowther in a ported enclosure and the fostex 208sigma is almost always used with a notch filter. Baffle step correction is very often used by DIY'ers at the single driver forum, ofcourse a >2ft wide baffle is prefered :-) But we'll try running it without compensation first and see how we like the sound.I'll ask my friend to post some pictures and a review when he has finished the speakers.Thanks again,Marijn

Subject: Re: Beta-10 two Pi Posted by Wayne Parham on Tue, 20 Nov 2001 10:16:01 GMT View Forum Message <> Reply to Message

Good luck with your project. Please keep us posted and let us know how it sounds!

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