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Subject: Re: Going without a subwoofer.... even with smaller drivers?

Posted by [selahaudio](#) on Fri, 20 Nov 2009 22:52:05 GMT

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GreggoEggo wrote on Fri, 20 November 2009 06:07 Thanks for weighing in Rick... The more I have looked around for info on this the more I am convinced I have to move up to a 7 inch frame driver so that I can use DSP eq to manage things but hopefully have much less cause for concern about pushing the drivers too hard, even with 18 per side.

I don't get the warning about the neo3 however, unless this has to do with your observations around dispersion (I am guessing in the horizontal plane but perhaps you are thinking vertical). Looking at what I percieve to be the starting point of the challenge, CTC horizontal spacing between the two woofer lines on each side of the tweeter, a tweeter flange width of 2.6 inches seems pretty darn attractive compared to the other ribbon/plannar options out there. It seems that most who go with a planar choose the neo8 for the lower crossover point and narrower vertical dispersion to help manage lobe/combing in the vertical plane. Still researching.... and someday early next year I will start testing.

Regards,

Greg J.

Based on working with the Beo3PDR and symmetrical layouts the larger woofers need a much lower crossover point than possible with the Neo3PDR. A steep DSP slope will help but you'll still have some response issues. There's also going to be a large difference in sensitivity between the woofers and planars.

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