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Posted by [ppkstat](#) on Mon, 22 Aug 2022 22:33:27 GMT

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Wow thank you for all the comments Wayne!

I had the idea that SBIR can be reduced by moving speakers away from back walls (which without a sub would be unfortunately around 2.5m). Thick absorption behind will also help.

But I am intrigued by your sub arrangement and want to know more. I had the idea that 4 subs placed symmetrically would be the best bet until the crossover region (let's say 80Hz) because they cancel out basically all the harmonics. What you propose however, If I am understanding right, is to place stereo subs behind speakers and cross them higher like 150Hz for example. How will the rest of 2 subs will be integrated in such a setup? I can't see how you can have two different crossover frequencies between two pairs of subs.

You should try to design some speakers with cardioid design :lol: No baffle step there! They're all the rage these days :lol:

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