
Subject: Modified 4pi Idea (Here we go again)

Posted by [dutchswan0311](#) on Sat, 25 Feb 2012 07:37:15 GMT

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Okay, I know in advance that Wayne's reply will be something to the affect of "why mess with perfection" on a system that is tried and true. Fair Enough. But I had a fleeting idea that I thought I might run past everyone for a moment.

I like the look of the 3pi, but desire the extra performance of the 4pi. From what I can tell; the 4pi digs 15Hz deeper, has a 3 dB gain, and 5 dB increase in SPL. I think Wayne will say much of that is negated by the use of a sub...but I still want to propose my concept:

I like the look of the horn centered over the woofer. But how can this be achieved without losing Hz off he low end? What if the port were to be moved to the side of the cabinet? Anyway, just a fleeting thought I might ask about in an effort to combine performance with aesthetics. I look forward to Wayne's reply!

File Attachments

1) [modified4pi01.jpg](#), downloaded 279 times

Subject: Re: Modified 4pi Idea (Here we go again)

Posted by [Wayne Parham](#) on Sat, 25 Feb 2012 15:15:54 GMT

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I'd say measure it to be sure. You could also model it to see the influence of the internal standing waves on that layout, but I'd still prefer measurements, in the end.

Personally, I like the looks of the offset port. Just make your speakers in stereo pairs, and I think they look great. Maybe it's a proud papa thing, but I've always liked the look of speakers with offset ports, made as stereo mirror images of one another.
