
Subject: Pi 4 questions

Posted by [jimbop](#) on Mon, 25 Sep 2006 13:34:47 GMT

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I've asked this before, but seem to have lost the bookmarks to the info. I am running Wright Sound 2A3 amps. Which of the Pi 4 speakers would you recommend? I don't think I can afford the Pro series. Also, I remember reading about using the 7 Series mid horn and tweeter with the 4 Series bass cabinets. What are the benefits (besides eliminating the need for suitable corners in the room). Does this affect the efficiency of the speakers? Jim D.

Subject: Re: Pi 4 questions

Posted by [Wayne Parham](#) on Mon, 25 Sep 2006 15:35:15 GMT

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little more. However, if you add the midhorn, it tends to smooth the impedance curve. It also provides directivity and smoother midrange.

Subject: Re: Pi 4 questions

Posted by [jimbop](#) on Tue, 26 Sep 2006 00:55:29 GMT

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Which of these would work best close to the front wall, and a few feet in from the corners? They don't necessarily need to be right against the wall, but due to their size, they won't be too far out into the room. Jim

Subject: Re: Pi 4 questions

Posted by [Wayne Parham](#) on Tue, 26 Sep 2006 02:16:45 GMT

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loading, as happens when placed near walls or corners. They're designed for use in quarter or works best in half-space.

Subject: Re: Pi 4 questions
Posted by [jimbop](#) on Tue, 26 Sep 2006 16:17:54 GMT
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So, would I order a 7 Pi kit and plans for the 4 Pi bass cabinet? Are there any other changes needed to do this?Jim

Subject: Re: Pi 4 questions - adding midhorn
Posted by [Wayne Parham](#) on Tue, 26 Sep 2006 21:14:20 GMT
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summing is good as long as the front-to-back spacing between midhorn and woofer is within a plans.

Subject: Re: Pi 4 questions - Do you have any photos?
Posted by [jimbop](#) on Fri, 29 Sep 2006 12:43:43 GMT
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Are there any photos of of the 4 - 7 combo? I'd like to see the scale of this implementation.JD

Subject: Re: Pi 4 with midhorn
Posted by [Wayne Parham](#) on Fri, 29 Sep 2006 14:13:43 GMT
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kind of a hybrid.

Subject: Re: Pi 4 with midhorn
Posted by [Paul C.](#) on Sun, 01 Oct 2006 05:54:57 GMT
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Wayne, as you know, I am building the 7pi-18 for my older son, and 4pi Theatre for myself. Adding the 7pi mid horn later is intriguing. Would it hurt for me to build the 4pi Theatre box, but not make a cutout for the H290 horn, instead sitting that on top? Then later just jack that up and slip the mid in between. Or would you suggest just building the 4pi Theatre as per plans, with the horn in the box, and just stick the mid on top?

Subject: Re: Pi 4 with midhorn
Posted by [Wayne Parham](#) on Sun, 01 Oct 2006 15:22:14 GMT
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you can mount the tweeter externally and move the midwoofer up to keep the distance, orientation and position relationship between them the same. Either way, it is important to keep the tweeter to mid (or midwoofer) relationship as shown in the plans.

Subject: Re: Pi 4 with midhorn
Posted by [Paul C.](#) on Sun, 01 Oct 2006 16:12:02 GMT
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I was worried about moving the woofer higher in the cab, but most of the low bass is coming out of the port anyway, right? If the port is left in the same position, same distance from the floor, the low end should not be affected, correct?

Subject: Re: Pi 4 with midhorn
Posted by [Wayne Parham](#) on Sun, 01 Oct 2006 16:24:27 GMT
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At low bass frequencies, wavelengths are tens of feet long. So boundary reinforcement occurs even if the woofer is a couple feet away. Movement of a few inches or even a foot doesn't matter at all at very low frequency. When you get into the midrange and treble frequencies, that's a different story. At higher frequencies, inches matter.
