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Subject: 4pi Stand Base

Posted by [rvsixer](#) on Fri, 21 Aug 2015 22:54:16 GMT

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Okay I have searched, and have found plenty on recommended stand height/tilt (I think I will be going with 15" and 3 degrees).

But I did not find what might be the minimum sufficient stand base size, that still provides adequate stability. The smaller I can make the base, the more I can move my right speaker over a 4" high riser that interferes with my room setup.

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Subject: Re: 4pi Stand Base

Posted by [Wayne Parham](#) on Sun, 23 Aug 2015 15:02:37 GMT

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Stands should be 12" to 15" with 3° to 7° setback angle.

As for the construction of the stand, that is really up to you. It depends mostly on materials and taste. A metal stand can be made with very thin tubular and still be structurally adequate. Wood stands need to be a little larger.

I like having two flat surfaces, each nearly as large as the bottom of the speaker cabinet, one for the stand base and one for the perch. Those are separated by a wood post that is actually a hollow "tube" made of 1/2" to 5/8" stock that's about 4" x 4" x 12".

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Subject: Re: 4pi Stand Base

Posted by [rvsixer](#) on Sun, 23 Aug 2015 16:15:08 GMT

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Thanks Wayne again for the input. I was thinking the base would have to be nearly as large as the speaker bottom for stability.

I've attached a pic of the problem area. The current speaker is 11" wide, the 4pi is 18.5" wide (and will have greater toe-in). I cannot move my entire setup over to the left to accommodate (stairway opening on the other side), so some portion of the 4pi has to sit on the raised floor.

I think I have come up with a solution. Basically a platform the same size as the speaker bottom, with four legs on each corner extending downward. One rear leg will be 4" shorter and sit on the raised floor, problem solved.

Any other possible solution anyone sees most welcomed.

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## File Attachments

1) [riser10.jpg](#), downloaded 2178 times

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Subject: Re: 4pi Stand Base

Posted by [BobTahoe](#) on Mon, 24 Aug 2015 19:48:36 GMT

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could you make the base of the stand a triangle and make it work so the edge of it is flush against the tile while part of the speaker above the stand over hangs the tile?

You'd have to make it the exact angle you want them toed in at but it might work.

Option 2 hang them from the ceiling? I've half jokingly considered something like this.

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Subject: Re: 4pi Stand Base

Posted by [rvsixer](#) on Mon, 24 Aug 2015 21:22:36 GMT

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Yes that could work (I thought of something similar, but using two legs in front and one in back). But I think the four leg solution would provide greater right/left position and toe-in flexibility.

Option 2 where do you put the flanking subs LOL ? Anxiously awaiting an update to your build thread!

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Subject: Re: 4pi Stand Base

Posted by [BobTahoe](#) on Mon, 24 Aug 2015 21:45:17 GMT

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Option 2: subs in the floor of course...

Oh the build, Paint is kicking my @\$\$, it's my fault I picked a glossy paint and pretty much everything that could go wrong did go wrong. In other words i'm stuck in wet sanding hell. Which is ok since the rest of my parts are on order with Wayne and it looks like I'll have everything some time in early September. If I had everything already I most likely would have stopped at bare MDF,

and started using them until my wife made me finish them.

I'll post a few more pics this evening there's been some small progress.

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