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Subject: Will 7Pi work in my room?

Posted by [despearce](#) on Sat, 08 Nov 2014 12:21:14 GMT

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My main listening room is 17'3" x 11'4" and 8'6" high. I currently have my speakers on the long wall around 10' apart and sit on a bed to listen which is equidistant between the speakers on the opposite wall.

I could have the 7Pi firing either direction across or down and in the corners. If I have the speakers firing down the room the bed will be between the speakers.

Which would be best and where would the optimum seating position be?

I am open to suggestions if other speakers are more suitable, I drive my current (94db 3 way) speakers with a 30w valve amp.

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Subject: Re: Will 7Pi work in my room?

Posted by [Wayne Parham](#) on Sat, 08 Nov 2014 16:19:03 GMT

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Some people put constant directivity cornerehorns in rooms like yours along the long wall, and it sounds fine. But it does sound better when they're sitting along the short wall, because it brings forward the point where the speakers' axes cross. This gives better left/right balance with listeners sitting just behind where the axes cross. For more information, see the following links in

High-Fidelity Uniform-Directivity Loudspeakers

Imaging, placement and orientation

Speaker placement and wavefront launch

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Subject: Re: Will 7Pi work in my room?

Posted by [despearce](#) on Sat, 08 Nov 2014 23:39:59 GMT

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Thakns for the reply Wayne, I've read some of the links before asking and I'd thought it may be better across the shorter wall. Would the bed cause a problem if the speakers were firing down the room and the bed was on one long wall starting around 4' from the speaker, with the mid and treble being way above bed level would the sound be impacted much?

Would I be better with the 3 or 4pi? I could reuse the driver if I wanted to buld a cornerpi then?

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Subject: Re: Will 7Pi work in my room?

Posted by [Wayne Parham](#) on Sun, 09 Nov 2014 16:01:04 GMT

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If you have the right corners and room layout, then constant directivity cornerhorns are definitely the best option for you. If not, then DI-matched two-way speakers with flanking subs are the best approach.

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Subject: Re: Will 7Pi work in my room?

Posted by [despearce](#) on Sun, 09 Nov 2014 18:47:50 GMT

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This is how the room will look, the only addition is a hifi rack 2ft away from the wardrobe to the left of the window.

Our bed is 22 inches high and 5ft away from the chimney breast, the 6Pi (or 7Pi) would be in the corners of the wall with the chimney breast.

Is the bed going to cause problems do you think?

#### File Attachments

1) [snapshot2.jpg](#), downloaded 3837 times

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Subject: Re: Will 7Pi work in my room?

Posted by [Wayne Parham](#) on Mon, 10 Nov 2014 10:50:43 GMT

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It may make the soundstage "lean" to the left slightly, with more absorption on the right, particularly at HF. But it is not reflective, so that's better than something like a table or some other furniture with a hard surface.

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Subject: Re: Will 7Pi work in my room?

Posted by [despearce](#) on Mon, 10 Nov 2014 11:00:37 GMT

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Is the chimney breast an issue and would the chair on the far wall need to be brought forward far to give a good listening position?

I maybe able to put the bed on the chimney breast, it's a perfect fit and almost central (within an inch or two) if this made the 7 or 6Pi a better fit in there.

Sorry for the barrage of questions Wayne, I'm reading lots to find answers but some of the answers are obviously room specific.

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Subject: Re: Will 7Pi work in my room?

Posted by [Wayne Parham](#) on Tue, 11 Nov 2014 02:08:29 GMT

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The chimney isn't a problem but, yes, I would move the chair forward. Both because you want to be just behind where the axes cross and also because you don't want to be so close to the rear-wall reflection.

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Subject: Re: Will 7Pi work in my room?

Posted by [despearce](#) on Sat, 15 Nov 2014 09:50:28 GMT

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Well finally finshed reading and researching, plus spoke to a gent in the uk who has used 7pi for the past 6 years. We have heavy curtains from floor to ceiling covering the window, they start 50" from the corner, will this help balance the soundstage?

A last few questions to ask:

Will the room being on the first floor be a problem, it is carpeted but is pine floorboards on joists? Woud the 6pi be a better bet or is the 7pi better integrated and better sounding in the lower frequencies. Looking on here it seems as if the 6 goes lower and sounds identical over 100hz?

Finally assuming the floor will not cause major problems could you send me the 6pi plans please or the 7pi if they will cause less room issues. I want these to be a long term part of my system so have decided to spend what it takes to achieve the sound I'm after.

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Subject: Re: Will 7Pi work in my room?

Posted by [Wayne Parham](#) on Sat, 15 Nov 2014 20:07:57 GMT

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The floor won't be a problem, provided the room doesn't sound resonant from panel vibration. Most times, room modes are the biggest problem anyway.

Curtains almost always help, and constant directivity cornerhorns benefit even more because

there aren't any reflections other than the grazing reflections along the walls. Curtains really help that. Those aren't bad anyway, but what little bad they do is mitigated by the curtains.

Please decide which model you prefer and let me know. I'll send plans right away. To help you between models and options.

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Subject: Re: Will 7Pi work in my room?  
Posted by [despearce](#) on Sat, 15 Nov 2014 20:25:58 GMT  
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No resonance I've noticed, 3 cavity brick walls an a solid one, some heavy wall hangings can be put up as well.

I've been reading lots and have decided to build the 6pi so plans for that one please.....

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Subject: Re: Will 7Pi work in my room?  
Posted by [Wayne Parham](#) on Sat, 15 Nov 2014 20:31:17 GMT  
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