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Subject: 3Pi and wooden Smith horns ?

Posted by [kupfer\\_m](#) on Sat, 29 Nov 2003 06:26:27 GMT

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Hi All,Is it possible to use the Smith horn (as featured in Audio Anthology Vol. 2) with the 3Pi speakers ?I'd like to build these horns because they are relatively easy to build.Thanks in advance,Jim

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Subject: Re: 3Pi and wooden Smith horns ?

Posted by [Wayne Parham](#) on Sat, 29 Nov 2003 18:00:25 GMT

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Sure, just use those horns in place of the ones in the plans. I don't know anything about them though, so compensation and crossover changes may be required.

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Subject: Re: 3Pi and wooden Smith horns ?

Posted by [kupfer\\_m](#) on Sun, 30 Nov 2003 11:43:44 GMT

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Hi Wayne,I'd like to use the 3Pi with my SE300B amplifier but I read several messages on the forum the Thermionic-series are more suitable for this task, however you send me the plans of the Theater-series. Can I just use the same material thickness but alter the dimensions of the box to the Thermionic dimensions ?When using the Smith-horn on top of the cabinet, should I replace the woofer upwards or just leave it as is ?Thanks,Jim

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Subject: Re: 3Pi and wooden Smith horns ?

Posted by [freddy](#) on Sun, 30 Nov 2003 14:10:36 GMT

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Hi Jim - have only run 1" Smith horn in mono - very diffuse sound that's difficult to localize as finite source and was "pretty" on vocals - think you may like them (JBL 2397 imo sounded cool) and Pi bottom would be excellent. You may have to contour the network a bit, FWIW might put a type-1 Eminence on Smith horn and run some pink noise on RTA - Smith are easier than IWATA !Best,Freddy(- wonder how BMS 1" format would sound on this type horn?)

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Subject: Re: 3Pi and wooden Smith horns ?  
Posted by [Wayne Parham](#) on Sun, 30 Nov 2003 20:31:05 GMT  
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damping - so some SET amps aren't up for the task. But you might try it with your amp, because some work just fine. Amplifiers based on the 300B tube are pretty strong. Don't modify the dimensions of the box or the port - If you want another loudspeaker, I'll send plans for another

with low damping factors, such as low-power SET amps. As for mounting the HF horn on top, I suggest that you move the midwoofer up so that the distance between it and the tweeter are the same as called for in the original design. It's also important to maintain the same front-to-back spacing as well.

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Subject: Re: 3Pi and wooden Smith horns ?  
Posted by [kupfer\\_m](#) on Mon, 01 Dec 2003 06:06:44 GMT  
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Hi Wayne, Please send me the plans of the Thermionic 3Pi as these suit my needs better because I'm also building a SE2A3 amp. Thanks, Jim

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Subject: You've got mail!  
Posted by [Wayne Parham](#) on Mon, 01 Dec 2003 06:47:16 GMT  
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