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Subject: Help picking right speaker

Posted by [crazy thunder](#) on Sun, 19 Jan 2003 05:22:59 GMT

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Hi All, My listening room is 36'x24' rectangle with a barrel arch ceiling that starts at 10' at the walls and peaks at 16'. The walls are lathe and plaster, and the floors are hardwood. I have a HK Citation II I will be using to power my speakers. I have sansui sp-8000's in the room right now, they make plenty of sound but I am dissatisfied with them. I have been considering a pair of Klipschorns, as I have a pair of heresys that I'm fond of. I have 2 problems: 1. Khorns are expensive, and very difficult to ship. I doubt if I will ever find a pair anywhere close to southeastern Idaho. 2. The corners are mighty far apart, which might make for poor imaging. For this reason I am considering something like the Cornwalls or LaScala's, which don't have to be placed in the corner. Those speakers are also difficult to ship. I'm intrigued by the offerings in the Pi line. Will a cornerhorn work well in my room? If not, which pi speaker is recommended? Thanks!

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Subject: Re: Help picking right speaker

Posted by [steve f](#) on Sun, 19 Jan 2003 11:33:09 GMT

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Hi "CT", You have a nice large room; I'm a bit jealous. (grin) You are correct that K-horns won't work well in a room that large. Cornerhorns load small to mid sized rooms best. But you do have room for 10 Pi folded horns which will sound great just about anywhere you can place them. Wayne offers kits if you are woodworker inclined. If not, buy the kit and have a local wood shop build the boxes for you. The best craftsman in town will be cheaper than shipping finished speakers. BTW the Theater or Pro 4 Pi bass reflex will also work well, but if I had that kind of space, I would choose 10 Pi horns in a heartbeat. Take care, Steve

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Subject: Re: easy

Posted by [bmar](#) on Mon, 20 Jan 2003 22:54:05 GMT

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If I had a room the size of yours. There is no doubt in my mind I would get 10 Pi's. Bill

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Subject: 10 Pi freq response

Posted by [crazy thunder](#) on Tue, 21 Jan 2003 00:02:26 GMT

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Thanks for the advice so far. It sounds as if the 10 Pi is a good candidate for my room. I want the dynamics and the lively sound that a horn loaded speaker can provide. Given the size of the 10 Pi, I was suprised to see that the frequency response only goes down to 40 hz. Is this just the manufacturer being modest? One of my top criteria for a speaker is that I want it to go at least to 30 hz. I really don't want to add a sub if I can help it.Thanks again!

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Subject: Re: 10 Pi freq response

Posted by [steve f](#) on Tue, 21 Jan 2003 00:35:31 GMT

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You could build 10Pi style boxes for Theater4/7 parts. Then If response would be 25-30hz, and sound a bit warmer. The cabinets however, would be huge! But I'm willing to bet that you will find the bass of 10Pi horns to be prodigious. There is very little musical information below 40hz. Unless you're into music featuring pipe organs or dueling bassoons, the 10 Pi is the way to go.Take care,Steve

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Subject: 10Pi with Theater parts?

Posted by [crazy thunder](#) on Tue, 21 Jan 2003 01:10:58 GMT

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Pipe organs happen to be one of my favorites... I love rattling the house with some Bach. That room just begs for pipe organs. Are there plans available for the 10Pi with the Theater parts?thanks,Jed

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Subject: Re: 10Pi with Theater parts?

Posted by [bmar](#) on Tue, 21 Jan 2003 03:27:15 GMT

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There are plans for a 10pi using a JBL 18" 2245. they are big and will rock your Bach like nothing matters. could also use some of the Eminence 18" like the Omega or Kilomax.

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Subject: Re: 10Pi with Theater parts?

Posted by [steve f](#) on Tue, 21 Jan 2003 15:23:00 GMT

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Sure could use Theater 7 parts. Just build off design formula in Wayne's paper. My question, Will using another driver provide as low a bass frequency? Maybe Wayne could comment. Take care, Steve

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Subject: 10Pi with Theater parts - No Go

Posted by [Wayne Parham](#) on Tue, 21 Jan 2003 18:35:33 GMT

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When using different woofers, one should expect to use a different motor chamber. Often times, a different horn should be used too. Also, some drivers don't do so well in horn enclosures. If a woofer or midwoofer has very low Q, for example, I would expect it to work poorly at the lowest frequencies in a bass-reflex or sealed cabinet but do well in a horn. And if it has very high Q, I would expect it to work poorly in a horn, but do well as a direct radiator on a baffle or very large

behavior at the flare frequency. And it allows the driver to be used much higher than other folded horn designs, acting similarly to a straight horn in many respects. I would expect other similar drivers to work well in this cabinet, but there are also some that probably wouldn't work so well. As long as Vas and Qts are reasonably close, you'll probably be fine. But the Delta 15 used in the

because it acts like an infinite horn, so that's a nice solution instead.

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Subject: Re: 10Pi with Theater parts - No Go

Posted by [steve f](#) on Tue, 21 Jan 2003 20:45:48 GMT

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Damn, I would have to find an exception. I still believe that the 10 PI is the best way to go. Thanks Wayne. Steve

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