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Subject: Re: New HT - Need Advice on Speakers - 4pis or 7pis for main, 2pis, and what to use for bass

Posted by [Wayne Parham](#) on Sun, 04 Sep 2011 07:26:54 GMT

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coolgeek wrote on Sun, 04 September 2011 01:45: What's a ts program? can you send me the link to buy it?

It's a Thiele/Small modeling program. Lots of freeware/shareware programs available that can be used to calculate subwoofer box/port combinations for any given driver.

coolgeek wrote on Sun, 04 September 2011 01:45: This brings me a couple more questions regarding the subs.. I was looking at your 3pi sub kit... does it include the 400watt amp?

No, you have to purchase the amp separately. It can either be a plate amp or a stand-alone amp, whichever you prefer.

coolgeek wrote on Sun, 04 September 2011 01:45: how do i hook up a 4pi with a 3pi sub together? Should the out from my receiver go into the 4pi which then has an out to the subs? If I am not mistaken, the receivers have ONE out for each main channel only. This is the confusing part.. i know how to hook up powered subs.. ie, thru the receivers' sub-output.. but not passive subs, especially as per your recommendation of hooking it up with the 4pis..

There are a lot of right ways and a lot of wrong ways. Briefly, the distant subs can be run from the receiver's subwoofer output. Just be sure that the crossover frequency is 60Hz or below. If running a plate amp, the crossover frequency is usually variable. Flanking subs should be driven with the same L/R channel as the main speaker they are next to, but with a low-pass filter, usually set for 80Hz to 120Hz, second-order is best. This will be done by a separate crossover. They aren't too expensive or difficult to use. See the following thread for a couple suggestions:

Sub crossovers

coolgeek wrote on Sun, 04 September 2011 01:45: I was adding stuff to my cart then realize that upgrading the capacitor - Audience AuriCaps costs over \$200, which is very significant. Should i add this, in your opinion or just the cheaper upgrade of \$50? Does it make a lot of difference? See the link below.

Upgrades

coolgeek wrote on Sun, 04 September 2011 01:45: Final question on the 4pi build, i notice that apart from the square port, the other parts of the speakers looks great.. the square hole is just ugly.. could i replace that square hole with a commercial flare port?

No, it doesn't have enough area and a round vent with enough area won't fit.

I personally think the rectangular port looks great. It's one of the coolest aesthetic things about that speaker, in my opinion.

coolgeek wrote on Sun, 04 September 2011 01:55: BTW: I followed your suggestion in calculating the shipping, but there was an error in your shopping cart:

"An error occurred with the UPS shipping calculations.

The maximum per package weight for the selected service from the selected country is 150 pounds."

That's the message returned from UPS when the shopping cart sent details about what you

wanted to ship. You might try checking items one at a time. Put one kit in the cart and see how much it calculates the shipping charges would be.

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