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Subject: 3-Pi Speaker plans

Posted by [johaneriksson](#) on Tue, 15 Feb 2011 10:51:17 GMT

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Hi Wayne!

Could you send me a copy of the pi 3 plans and crossover plans. Both regular and upgraded versions if ok.

Regards  
Johan

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Subject: Re: 3-Pi Speaker plans

Posted by [Wayne Parham](#) on Tue, 15 Feb 2011 13:59:20 GMT

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You've got mail!

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Subject: Re: 3-Pi Speaker plans

Posted by [giverago](#) on Thu, 14 Apr 2011 05:29:28 GMT

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Any chance I could get them to? How would a Eminence Delta Pro-12A work in the 3pi? These will be used for a home cinema. Thanks!

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Subject: Re: 3-Pi Speaker plans

Posted by [giverago](#) on Thu, 14 Apr 2011 05:45:18 GMT

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for using the 3-pi speakers as LCR behind a perforated screen what you you recommend the crossover be set at? what would you recommend for the surround channels?

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Subject: Re: 3-Pi Speaker plans

Posted by [Wayne Parham](#) on Thu, 14 Apr 2011 06:20:14 GMT

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Use the crossover shown in the plans. It is optimized and should not be changed. Do not substitute drivers - use only the ones suggested in the plans.

Again, this is an optimized design. If you deviate, you are throwing away literally hundreds of hours of design and test time, and that after a lifetime of study and perfection of this style loudspeaker. I don't want to come across immodestly, but I do want to impress upon you that this isn't just a weekend effort using casually chosen drivers. It is a mature and fully polished design.

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Subject: Re: 3-Pi Speaker plans  
Posted by [giverago](#) on Thu, 14 Apr 2011 06:25:51 GMT  
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I understand, i just happened to have those drivers on hand. Will these be able to crossover at 80 hz?

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Subject: Re: 3-Pi Speaker plans  
Posted by [Wayne Parham](#) on Thu, 14 Apr 2011 06:31:39 GMT  
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Don't crossover, blend the mains with the subs. Low-pass the subs, but don't high-pass the mains. These speakers won't need the high-pass like you might do in a prosound environment. What you'll gain is better smoothing of room modes.

For more information on this approach, read the following whitepaper:  
High-Fidelity Uniform-Directivity Loudspeakers

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Subject: Re: 3-Pi Speaker plans  
Posted by [giverago](#) on Thu, 14 Apr 2011 06:39:58 GMT  
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awesome, can I get the 1 and 2pi plans as well? Do you have the kits in stock? Would the 1pi work as a small centre channel?

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Subject: Re: 3-Pi Speaker plans  
Posted by [Wayne Parham](#) on Thu, 14 Apr 2011 07:05:34 GMT  
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Yes, we keep most kits in stock. We have to assemble the crossovers, because there are several options. But we keep a large stock of all the components on hand so we can build any version crossover in just a few days.

As for a center, I would suggest that it be the same as the L/R mains. If this is impractical, go with a phantom center.

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Subject: Re: 3-Pi Speaker plans  
Posted by [giverago](#) on Thu, 14 Apr 2011 14:03:16 GMT  
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The one or two depending on there size would be for a different room with a much smaller system.

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Subject: Re: 3-Pi Speaker plans  
Posted by [Wayne Parham](#) on Thu, 14 Apr 2011 14:24:34 GMT  
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Gotcha. The standard "studio" bookshelf size models are great for surrounds. They also work great in a small office or bedroom where space is at a premium. But they do lack the lowest bass frequencies.

model. It's just taller, at just under four feet. Works great for a bedroom system, as the sound sources are high enough they get over furniture and don't need stands.

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Subject: Re: 3-Pi Speaker plans  
Posted by [giverago](#) on Thu, 14 Apr 2011 14:28:48 GMT  
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what is the dimensions of the One and Two? do you have a drawing for those

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Subject: Re: 3-Pi Speaker plans  
Posted by [Wayne Parham](#) on Thu, 14 Apr 2011 18:15:54 GMT  
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Outside dimensions and other basic specs are at the link below. Decide which model you want and let me know, I'll send plans.

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