
Subject: Request for Plans

Posted by [MerlinGS](#) on Mon, 30 May 2011 16:36:35 GMT

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Hi Wayne,

Would it be possible to get plans for the 4 Pi, 6 Pi and 7 Pi speakers?

Thanks

Subject: Re: Request for Plans

Posted by [Wayne Parham](#) on Mon, 30 May 2011 19:23:28 GMT

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I prefer that you pick the model you intend to build and let me know. I'll send plans as soon as you decide.

Subject: Re: Request for Plans

Posted by [MerlinGS](#) on Tue, 31 May 2011 13:53:52 GMT

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The problem is that I honestly don't know between the Pi6 and Pi7, so I wanted to compare the work required. The Pi 4 would be used in my HT, so it's for a different project. If I was forced to decide, I think I would probably prefer the Pi6 for the Living room.

Thanks

Subject: Re: Request for Plans

Posted by [MerlinGS](#) on Tue, 31 May 2011 13:59:14 GMT

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BTW, where is the Pi6 crossed to the 12" woofer? I would prefer to use multiple subs, does this mean I would only have to build the cabinet to house the mid and tweeter?

Thanks

Subject: Re: Request for Plans

Posted by [Wayne Parham](#) on Tue, 31 May 2011 16:07:32 GMT

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models can use an Eminence PSD2002 compression driver or the optional B&C DE250 driver.

All our models are designed to work best with multisubs. In fact, all loudspeaker systems work best with multisubs, since it's really a room mode thing. But all our models have powerful woofers yet gradual rolloff slopes that blend very well with multisubs. Don't high-pass the mains, just low-pass the subs.

Our constant directivity cornerhorns blend the woofer and the midhorn in the 100Hz to 250Hz range. The woofer has a very gradual (first-order) low-pass and the midhorn's only rolloff down low is acoustic. They are designed to overlap so there is smoothing in the upper model region. This is discussed in the last few pages of the following whitepaper:
High-Fidelity Uniform-Directivity Loudspeakers

Subject: Re: Request for Plans
Posted by [MerlinGS](#) on Tue, 31 May 2011 18:53:00 GMT
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Thanks. I think I'll go with the Pi7 and the Pi4 then.

Subject: Re: Request for Plans
Posted by [Wayne Parham](#) on Tue, 31 May 2011 21:36:41 GMT
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Subject: Re: Request for Plans
Posted by [MerlinGS](#) on Thu, 02 Jun 2011 19:23:35 GMT
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Thanks! When it's time to start I will search the forum for hints, and probably be a slight pain with

simple questions.

Again, Thanks.
