
Subject: Thermionic 3Pi with midrange horn ?
Posted by [kupfer_m](#) on Mon, 07 Jun 2004 18:34:12 GMT
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Hi,A while ago I build the 3Pi's.Now I was wondering if it would be a good ideato add a midrange horn to this design (with an Eminence Alpha 6)or just leave the design as is ?Thanks in advance,Jim

Subject: Re: Thermionic 3Pi with midrange horn ?
Posted by [Wayne Parham](#) on Mon, 07 Jun 2004 18:44:37 GMT
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Personally, I'd leave them as-is.

Subject: Re: Thermionic 3Pi with midrange horn ?
Posted by [Yury](#) on Thu, 10 Jun 2004 07:23:29 GMT
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I'm afraid middle range is not acsentive as well.
<http://www.artmaydan.org.ua/sradivarius.html>

Subject: Re: Thermionic 3Pi with midrange horn ?
Posted by [Adrian Mack](#) on Thu, 10 Jun 2004 08:25:01 GMT
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Actually, I think the reason that Wayne would rather leave the 3Pi as-is is because that speaker is supposed to be a simple and low-cost solution that works well how it is. Wayne's put togethor the 8Pi loudspeaker if one wants to use a midrange horn. Or use one with the Pi cornerhorns instead.....

Subject: Re: Thermionic 3Pi with midrange horn ?
Posted by [Yury](#) on Thu, 10 Jun 2004 08:33:39 GMT
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I see. anyway DIY means to make thing better then other, or for special size or disign. I never heard any 2 way loudspeaker better 3 ways system or 2+1. let it be cheap, but voice range of waves must be a real.

my solution

Subject: Re: Thermionic 3Pi with midrange horn ?
Posted by [Adrian Mack](#) on Thu, 10 Jun 2004 08:49:29 GMT
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The choice to go 3-way or 2-way really depends on what you're trying to do. There are pro's and con's either way. I have seen excellent implementations of both. Wayne sells the 3Pi's as completed speakers hence his opinion to leave them as-is would be somewhat based around that I'd assume...

Subject: Re: Thermionic 3Pi with midrange horn ?
Posted by [Yury](#) on Thu, 10 Jun 2004 09:20:38 GMT
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it's ok. thanks for comment.
<http://www.artmaydan.org.ua/sradivarius.html>

Posted by [Wayne Parham](#) on Thu, 10 Jun 2004 12:51:16 GMT
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Subject: Re: Thermionic 3Pi with midrange horn ?
Posted by [Wayne Parham](#) on Thu, 10 Jun 2004 13:03:16 GMT
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You're exactly right. The midwoofer in this speaker is really a wide range driver and works very

well through the midrange. I like the two-way configuration for speakers like these. This design makes use of a wide range midwoofer driver and eliminates a crossover point. For a three-way or four-way speaker, I'd rather use a woofer that's tuned low and optimized for use below the midrange band.

Posted by [Yury](#) on Thu, 10 Jun 2004 16:11:29 GMT

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can't read
my sub

Posted by [Wayne Parham](#) on Thu, 10 Jun 2004 22:20:48 GMT

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Select UTF-8 encoding in your browser. The website is supposed to do that automatically, but Sheri is working on the server and won't be done for a few more days.

Posted by [Yury](#) on Fri, 11 Jun 2004 03:25:04 GMT

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marble world

Subject: Re: Thermionic 3Pi with midrange horn ?

Posted by [kupfer_m](#) on Fri, 11 Jun 2004 16:48:46 GMT

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Hi Wayne and Adrian, I think I wasn't all too clear in my questioning. I've build the 3Pi about 6

months ago and I'm still very happy with them. Boy, they go loud with my 300B's. I thought about building another speaker in which I could use the Alpha12 and the PSD2002 combined with a midhorn with an Alpha6 for example. Maybe Adrian can offer me some information or tips. Are the plans for the 8Pi already available? Thanks, Jim

Subject: Re: Thermionic 3Pi with midrange horn ?

Posted by [Wayne Parham](#) on Fri, 11 Jun 2004 23:06:50 GMT

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Hi Jim, The Alpha 12 could certainly be used in a three-way configuration. It works quite nicely in

Adrian's Alpha 6 midhorn would work well, as would a larger midhorn using an 8" or 10" driver. The thing is that the Alpha 12 is really designed to be a full range speaker. Its best applications, in my opinion, are on infinite baffles or very large boxes. Its best feature is that its impedance curve is benign so there isn't much interaction with the output circuit of a low power SET with no feedback.

Those are sensitive circuits, but the Alpha's don't cause problems for them. That, plus their low cost, make them ideally suited for two-way speakers used on SET amps. But the three-way idea you're looking at would be good too. Wayne
