Subject: Sub for One Pi
Posted by Walter Owens on Sun, 12 Dec 2004 02:28:40 GMT
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What would be an appropriate subwoofer for a One Pi system? I would like something with similar price/value parameters. A Pi branded solution would, of course, be really cool. Might the current push/pull discussion result in something useful for the purpose?I just got a pair of One Pi kits and a pair of Two Pi kits. I am really pumped.best regards,Walter OwensGarland, TX

Subject: Re: Sub for One Pi
Posted by Wayne Parham on Sun, 12 Dec 2004 06:33:29 GMT
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Hi Walter,I have several designs that you could use for a subwoofer. Most are intended for a drivers like Omega's, Kilomax, Magnums or JBL Pro drivers. So they're high power solutions

don't think you'll want for a subwoofer.The push-pull plenum horn we've discussed here is probably a bit much for what you're wanting. But the push-pull idea could be easily implemented in something else. What I'd suggest you consider is a pair of Alpha 10's configured in a push-pull

cornerhorn. If you have the corners, go for the latter. It's attractive and it performs very well. It will hide the exposed magnet so it's a nice way to implement the push-pull arrangement, in my opinion.Wayne

Subject: Re: Sub for One Pi
Posted by GarMan on Mon, 13 Dec 2004 13:21:47 GMT
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I'd imagine a Delta12LF in a box between 3 to 4 ft^3 would work well with the One Pi's.

Subject: Re: Sub for One Pi
Posted by Wayne Parham on Mon, 13 Dec 2004 22:59:41 GMT
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Subject: Re: Sub for One Pi
Posted by Walter Owens on Tue, 14 Dec 2004 05:19:06 GMT
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Well, the two Pi's are a different application, but I could use the drivers for a little experimenting. The push/pull bass reflex alpha 10 idea sounds very interesting. Could you put a tweeter on it and have a "super two pi tower"?Good corners are hard to come by in my house. For subwoofer purposes could I face the drivers toward the wall (to hide the "backwards" driver)?regards,Walter Owens

Subject: Re: Sub for One Pi
Posted by Wayne Parham on Tue, 14 Dec 2004 05:59:14 GMT
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I think you could make a very nice two-way speaker with a pair of Alpha 10's connected push-pull and a tweeter. One approach would be to use a PSD2002 and crossover at 1.6kHz. That's what I'd be most comfortable with.I think I'd mount the two Alpha 10's one on top of the other, physically close together. I'd put a crossover on each Alpha 10 driver, but I might consider staggering their values. If they are allowed to both reach 1.6kHz, then you'll have three sound sources in the octave around 1.6kHz or so. So I think I'd proably crossover the bottom woofer at 200Hz or so, and then let the upper one reach all the way up to 1.6kHz. That will prevent them from cancelling harmonics above 200Hz, but I'm not sure the push-pull arrangement remains effective as frequencies go up anyway. I'd expect shorting rings to work better through the midrange, and push-pull arrangements to work better in the bass.