Subject: 2 Pi studio in 3 Pi enclosure
Posted by tubemax on Mon, 27 Feb 2012 15:02:08 GMT
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Hi Wayne,

I wonder if it is possible to use 3 Pi enclosure dimensions but with Alpha 10 + Vifa DX25 tweet and get good results in the bass range ( or at least comparable to tower version ).
Reason is WAF factor - 3 Pi is way lower & can be placed on the floor tilted to listener.
I have already parts for 2 Pi... and 3 Pi is way above my budget...
If it is possible, what port size/length/location is needed in this application?

Best regards,
Max

Subject: Re: 2 Pi studio in 3 Pi enclosure
Posted by Wayne Parham on Mon, 27 Feb 2012 16:30:13 GMT
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My standard reply is "I wouldn't do it." The reason is I have spent so much time optimizing and testing the designs. When you modify them, you are throwing away all that R&D time. That is by far the most expensive and important factor, and untested modifications make it moot. When you make mods, you're back to an untested collection of parts in a box.

With that (somewhat strong) disclaimer, I would say that if you put the midwoofer and port in the same position, at least then I would have guarded optimism that the internal standing waves would line up the same way. There is some comfort in that, because I would assume there would be no lower midrange ripple from unwanted standing waves.

But still, I would suggest that you stick with the plans unless you have time and inclination to do acoustic measurements and verify that your mods work well.

Subject: Re: 2 Pi studio in 3 Pi enclosure
Posted by tubemax on Mon, 27 Feb 2012 20:37:22 GMT
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Hi Wayne,

One thing is certain > I don't want to start new design without measuring equipment and resources.

Best regards,
Max