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Subject: Re: Box for 3Pi

Posted by [Wayne Parham](#) on Thu, 10 Jun 2010 14:43:47 GMT

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Well, yes, the response doesn't peak too badly in the smaller box so I suppose you could put the now seen. So it's definitely going to act differently, mostly in the bottom end. It's a fairly simple box to build too, so even if you don't have the tools or the space, a local cabinetmaker could probably build it for you at reasonable cost.

Using a smaller cabinet puts you in that uncharted territory of mods, which I sometimes suggest makes new analysis and measurements in order. But smaller cabinets don't generally have standing wave problems like larger cabinets do, because the frequencies where standing waves line up are shifted higher and the insulation inside can do a better job damping that range. Because of that, I'd trust the upper midbass and lower midrange wouldn't get lumpy, and that port and midwoofer position would be a little less important where standing waves were concerned.

If you go with a smaller cabinet, I think subs will become a requirement, as the system will not reach down as far. Then again, subs are a good thing even with the standard larger model, because as you know, you can't have too many bass sound sources. Multiple bass sound sources smooth the modal range in addition to increasing extension.