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Subject: Re: 7PI questions

Posted by [Wayne Parham](#) on Tue, 17 Feb 2015 16:15:22 GMT

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The bass bin holds directivity up pretty high, because it is forced by the corner. But you'll get interference notches from self-interference and then rolloff at some point.

Whether vented or sealed doesn't really matter in this configuration. I tend to run slightly overdamped vented cabinets for the reduced excursion they offer. I'm not worried about phase in the modal region so it's pretty much a "free lunch." But if you have a woofer that isn't suited for a bass-reflex alignment, by all means use a sealed cabinet.

The matter of crossover phasing and "time alignment" is always really related to summing and the position of the forward lobe, nulls and side lobes. It doesn't really matter if this is done actively or passively, in the analog realm or the digital realm. Each of those technologies has their pros and cons. What matters is that summing is right and the nulls don't fall in the listening area.