
Subject: Re: Midrange Horn

Posted by [danielm](#) on Sat, 03 Apr 2010 23:23:51 GMT

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I didn't expect the mid horn to offer much below 250hz.

I was thinking/hoping if I tuned the rear chamber to 80-90hz...

But, since I have a few of the beta 10s here's my ideas so far:

1) One mid horn centered in a 32" wide box with another 10" mounted on each end BPs 80-250hz(flanked left and right). With the spacing between the two ends I might get a little forward direction control down to 100hz or so as a doublet. One driver flipped to cancel the non-linear suspension stuff.

2) Mid horn wrapped with a longer path folded horn driven with another beta 10. The mouth would be far too small but these are to be used in a stack of four to eight boxes tall.

3) Forget the whole vertical stacking idea and make several "point and shoot" boxes with narrow patterns that will array horizontally.

I've been using a vertical stack of twelve Beta 10s per side in vented boxes tuned to 70hz. Nice sounding but, the system really lacked low mid output needed on my limited power budget. Plus, it is a nightmare to rig. Top end is P-Audio 1.4" drivers in a much shorter array.