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Subject: Midrange Dispersion

Posted by [B1189BW](#) on Tue, 08 Sep 2015 01:37:31 GMT

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All:

I am adding a 10" midrange cone speaker to an existing system.

I have a pair of well made JBL two way install cabinets that I have put JBL 2226s and 2450 drivers on 2382A horns in (120 X 40). I also have the option of a pair of JBL 2380As (90 X 40). I crossover at 1200Hz.

I recently purchased a pair of JBL 2012 10" midrange speakers that in intend to place on top of the two-way cabinets and crossover at 300 Hz. Thus 300 Hz and still 1200 HZ.

My question is: should the midrange driver be placed in a closed box to more match the dispersion of the low end ported cabinets or on horns to more match the high end horns?

Thank you for any thoughts,

Bill

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Subject: Re: Midrange Dispersion

Posted by [Wayne Parham](#) on Tue, 08 Sep 2015 21:37:33 GMT

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You will always benefit from well-made horns provided you have the room and you can provide an appropriate crossover, which accounts for path length differences. Horns provide improved efficiency, lower distortion and more directivity control.

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Subject: Re: Midrange Dispersion

Posted by [B1189BW](#) on Tue, 22 Sep 2015 03:41:04 GMT

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Sorry for the delay in answering but . . . Thank you for your answer. I will as a follow up question on your forum.

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