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Subject: B&C DE250/H290 supplement.

Posted by [Roland Gama](#) on Sat, 03 Dec 2011 13:44:10 GMT

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Hello Wayne,

Want your thoughts on this:

I have built a pair of push-pull design sealed 60 litre boxes with the lab12's doing the sub-work. So that is 4 lab 12's in all.

I use this set up with the Bose 901's (long story) through the DEQ2496 and the DCX2496.

I also use REW and find that the 901's inherently can't reproduce the highs after about 17khz.

That is the reason I thought of adding the DE250 horn on top of the 901's. to give it some sparkle.

If you are positive on this then I would be very happy to have any plans for a wood horn for the DE250.

Awaiting your reply,

Roland.

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Subject: Re: B&C DE250/H290 supplement.

Posted by [Wayne Parham](#) on Sat, 03 Dec 2011 15:09:51 GMT

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A Bose 901 creates a sound field that is 90% reflected. A horn creates sound that is 90% direct. They are two different approaches and I wouldn't combine them.

In my opinion, directional sound is best for mains and reverberent sound is best for surrounds. So I'd use some horn/waveguide speakers for your mains and repurpose your 901 speakers as surrounds.

But that's answering a question you didn't ask. To answer the one you did:

If I wanted to add some sparkle to 901, I'd probably add dome tweeters on each side.

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Subject: Re: B&C DE250/H290 supplement.

Posted by [Roland Gama](#) on Mon, 05 Dec 2011 14:11:47 GMT

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Hello Wayne

Thanks for the reply.

For the sake enlightenment- What would be the expected outcome if I place the 901's in the opposite direction with a DE250 horn on top?

I lose the most of the reflections I guess? But gain in a better sound stage.

Secondly, I keep the 901's in the recommended position and place the DE250 or any other tweeter facing rear words in the reflecting position. Of course I will need two tweeters per side to match the design/reflections of the 901's. Overkill?

Have I answered my own questions?

Roland.

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Subject: Re: B&C DE250/H290 supplement.

Posted by [Wayne Parham](#) on Mon, 05 Dec 2011 22:51:50 GMT

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Again, I wouldn't combine a horn with Bose 901 speakers. Their radiation patterns are just too different.

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Subject: Re: B&C DE250/H290 supplement.

Posted by [Roland Gama](#) on Wed, 07 Dec 2011 11:31:43 GMT

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Got your point Wayne.

Would a tweeter like the B&C DE35 be a bad choice as I face difficulty finding dome tweeters this side.

Thanks again.

Roland.

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