
Subject: xover

Posted by [j.luis cruz](#) . on Thu, 17 Aug 2006 00:18:42 GMT

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Hy Wayne .A a few posts do you said that the Beta 15 could work in a Theater four box .My election for the tweeter is the ASD 1001 I want to Xover in the region of 2k TO 2.5K .do you have a design for this x-over point .thanks in advance for your help .

Subject: Re: xover

Posted by [Wayne Parham](#) on Thu, 17 Aug 2006 04:17:12 GMT

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Sorry, no. Seems like I always strike out with you, Luis. I don't have a crossover design for a setup like that. You might want to re-think it though, because the midwoofer will have a very narrow pattern beyond 2kHz. Off-axis tonal balance will be poor and the reverberent field will not be uniform. Can you use the PSD2002 instead?

Subject: Re: xover

Posted by [j.luis cruz](#) . on Thu, 17 Aug 2006 13:41:16 GMT

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Thanks Wayne . I will take you guidelines PSD 2002 is the tweeter to use .thanks again Wayne

Subject: Beta15 in theater 4 box

Posted by [AudioLapDance](#) on Thu, 17 Aug 2006 17:46:34 GMT

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Hey,I threw some beta15s into my theater 4 corner horns (tall, wide and thin 5 cuft box, tuned to 40hz) and they sounded really boomy (in corners and out). Boxplot says that the beta in a 5cuft/40hz box should only have a 4db bump at 80hz which should sound good and punchy. For some reason that's not what I heard?!? Go figure??Give it a try and tell us what you hear.Regards,Jeff

Subject: Re: Beta15 in theater 4 box
Posted by [j.luis cruz](#) . on Thu, 17 Aug 2006 23:55:24 GMT
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Hy A.L.D regarding the Beta 15 only will live in very big boxes 20 to 30 f3 modeling with WinISD 34 F3 will give a fabolous response in the 24 hz in a box . After more modeling I found that a box of 36 x 24 x 18 internal measurements with a port of 6 x 2.75 will give a very acceptable tuning frequency of 34 hz but still a very big box but here the Beta 15 can breath much more . just do it

Subject: Re: Beta15 in theater 4 box
Posted by [Wayne Parham](#) on Fri, 18 Aug 2006 03:21:05 GMT
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when used with a Delta 15, gives a response curve somewhere between overdamped and EBS. This is a nice curve for use in rooms with boundary reinforcement, such as against walls or in or near corners. When substituting the Beta 15 in the same cabinet, response does indeed shift towards being slightly less damped. It develops a slight hump in the midbass. That is a direction you don't want to go in a corner speaker, but I don't think it would sound bad in an open space, pulled away from walls a few feet. But if the cabinet is smaller than 8ft3 - certainly if it is only 5ft3 - the Beta 15 will be too underdamped and will sound boomy no matter where the speaker is placed.
