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Subject: Can car coaxes be used in line arrays?

Posted by [Goldy](#) on Wed, 19 Dec 2007 13:58:37 GMT

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Can car speakers be used in line arrays? I have 2 way 4" coaxes in mind for a line array project. They have an fs of 130 Hz, Qts of 1.1, Vas of 1.0 lts and power capacity of 30 Watts RMS each. The drivers alone are known to sound quite good in car. The below is what I intend to do :-1) Take 15 pairs of the coaxes for the line array project 2) Take apart tweeters and come up with separate woofer line and tweeter line. The tweeters allow a placement of about 1" side by side. Woofer line would be 60" and tweeter line would be 15" height. 3) Since Qts is too high, equalise with a Linkwitz transform to have a Q of about 0.5-0.6. 4) Replace the stock crossover in each co-ax with active crossover setup crossed at 3200 Hz. 5) Have a sealed tower such that each woofer gets about 1.5-2.0 lts of volume each. 6) Place the towers in a room (about 220 sq feet) which has bad acoustics due to floor/ceiling reflections. The below are my expectations from the setup :-1) A good bass (high quality, decent spl) so that I can avoid a sub. 2) Less interaction with the room. The room has pretty bad acoustics as of now. What are the chances of success with the above setup? Thanks, Goldy

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Subject: Re: Can car coaxes be used in line arrays?

Posted by [Marlboro](#) on Thu, 20 Dec 2007 00:32:05 GMT

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Do you already own these speakers? That's the only reason why I would think anyone would do this. Marlboro

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Subject: Re: Can car coaxes be used in line arrays?

Posted by [Goldy](#) on Thu, 20 Dec 2007 12:32:31 GMT

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Hi Marlboro, No, I have not purchased those coaxes yet. There is dearth of drivers here in India. Importing them is not viable for a DIYer. So I had to choose the drivers first and check out whether they were usable in a line array. I knew the Qts was too high for a sealed enclosure use. Of late I have seen good quality 4" drivers (dashboard use) and came up with this idea of LT eq. When I read that IDs25 are equalised too, I thought it was possible too to use car coaxes in a line array by LT.

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Subject: Re: Can car coaxes be used in line arrays?

Posted by [Marlboro](#) on Thu, 20 Dec 2007 22:56:41 GMT

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OH..... You're in India. OH Gee sorry. Well, it might work. Try to stay within the guidelines of Dr. Griffin, especially the center to center distances.Marlboro

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