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Subject: Perfect line array

Posted by [JP Haggar](#) on Sat, 08 Apr 2006 21:14:09 GMT

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JimHere is what I understand from your message and the reading I've been through :

- 1-Every body seems to agree that the Fountek Neo CD 2.0 is a good candidate for the tweeter array at a somewhat fair price . Using 8 of these you make sure you have enough vertical coverage and an acceptable near/far field transition distance .
- 2-Choose a good Mid/Bass driver from 5 to 7 inches(vifa PL 14 or similar???)make an array just a bit longer than the tweeter array place them as closely as possible and if you can trim the flange to reduce the center to center distance it's even better
- 3-Connect the drivers by feeding more power to the center elements and less to the outer ones.
- 4-If you are not an expert xover designer buy a Behringer ultradrive proDCX2496 loudspeaker management system . 300 \$ approx .use multiple amplification .Or you can still try crossing over(passively) at a frequency that has a shorter wavelength than the distance from woofer center to center using a second order or higher slope ??
- 5- You have a versatile system that could be adjusted to any type of room .

Questions :

- 1- Is it better to have separate enclosures for each woofer or one big for all the line ?
- 2- Is the project still worth trying ? or should one stick to proven designs ?
- 3- Why do line array designers like Selah Audio and others changes so many times their designs in a very short period of time ? and their old designs are not available anymore , it makes you think they are not very convinced and that there is still a lot to learn about line arrays .

ThanksJP

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