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Subject: Re: line array [Re: Vifa two way]

Posted by [Bill Fitzmaurice](#) on Sat, 12 Jun 2004 18:48:41 GMT

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With 99dB sensitivity it can be driven by anything, though to keep the driver count down (at 8 woofers instead of 16) it does have a 5 ohm impedance. Of course that's with 8 ohm drivers; using 16s or 4s you can go 8 drivers for 8 ohms. I wasn't concerned about the impedance as with that sensitivity it won't be drawing a lot of current. You're correct about the configuration, though the exact details I can't reveal until publication. The problem with PVC is that if left unstuffed it's a very resonant speaker, a one-note if you will, and even stuffed isn't as good as a tapered line. Ten feet gives quarter-wave tuning at 28 Hz, and that's probably well below the Fs of a driver small enough to fit it, so a mis-match there. Two drivers is the way you mention is feasible, with tuning perhaps a third-octave apart to smooth things out.

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