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Subject: NOA Speakers

Posted by [sotoole](#) on Mon, 04 Dec 2006 03:36:04 GMT

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I have built speakers much like yours. I use a 2in X-Stealth horn driver cd horn and an Eminence delta lite 12 in a bass reflex crossed over at 1.6k. they quit making the Delta lite 12 and came out with a delta lite II it has no phase plug and needs a bigger box. I tried the delta lite 10's and they beamed like crazy without the phase plug.do you know of a woofer that is close in spl and lf in ~ 2.5 cuft to the original Delta lite and what are your thoughts in large speakers and beaming?thanks in advance Steve O

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Subject: Re: NOA Speakers

Posted by [Wayne Parham](#) on Mon, 04 Dec 2006 03:55:49 GMT

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I don't care much for the Deltalites. They just didn't work out for me. The upper response was poor, so they were unusable above 1kHz or so, even the little 10" driver. My suggestion is to try the other lines instead.

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Subject: Re: NOA Speakers

Posted by [sotoole](#) on Wed, 06 Dec 2006 18:47:40 GMT

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Yes the new 10's were awefull.I am looking at the RFC LF12G300 but they are very expensive comaritively.What have you read on beaming ie.. speaker size related to frequency and could you direct me to that info?thanks in advancesteve O

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Subject: Re: NOA Speakers

Posted by [Wayne Parham](#) on Wed, 06 Dec 2006 19:07:20 GMT

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Direct radiators begin to narrow directivity as a function of wavelength. See Chapter 3 of the JBL Sound System Design Reference Manual.

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Subject: Re: NOA Speakers  
Posted by [mollecon](#) on Sun, 10 Dec 2006 03:34:02 GMT  
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Basically, a driver will start beaming at the frequency, where  $\frac{1}{2}$  a wavelenght is similar to the diameter of the driver.

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