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Subject: Re: LAB12 driver - why is it so good and efficient?

Posted by [Wayne Parham](#) on Mon, 13 Apr 2009 19:45:16 GMT

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The resonant frequency shifts when you put the woofer on the horn, with the front chamber and flare shifting it downwards and the rear chamber shifting it upwards. When you model the horn and modify electro-mechanical driver values, you'll find that lighter cones increase output mostly at the top end, not at the bottom end. It's all about what you want to do. If you want a midbass horn, use a lighter cone, by all means. It will give better output up into the midrange. But if you're looking for drivers to use in a hornsub, you probably wouldn't need (or even want) the HF extension. For a subwoofer, I would prefer a driver that does its best work down low and is robust enough to handle high excursion and current.

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