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Subject: Re: Cone vs Compression in Midrange

Posted by [Wayne Parham](#) on Fri, 12 Mar 2004 16:49:42 GMT

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I'd say as much depends on the build of the driver as its type where overall sound quality is concerned. But I agree with your assessment that modern 2" compression drivers aren't made to crossover below 500Hz, and even that is usually pushing it. That means you have to crossover an octave or two up into the vocal range. Generally, I prefer to keep the 300-1600Hz range covered by a single driver. There are some compression drivers that are made for midrange and even bass and midbass frequencies. They are generally expensive, even exotic, but there are such devices available. One midrange compression driver that isn't exotic but actually very popular is the Community M4. It has a 6.5" diaphragm, so it is large enough to perform well in the vocal fundamental range. As for the modern small format compression drivers like the Eminence and JBL 1" and 2" exit devices, I'd honestly rather not crossover until much higher than the mids. I like to use them for the vocal overtone region and up. Sure, you can limit power and crossover lower, but that limits dynamic range. So that's just not the way I'd do it.

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