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Subject: Re: fullrange single driver help please!!  
Posted by [robertG](#) on Mon, 13 Jun 2005 22:17:06 GMT  
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The rising response in full-range (larger) drivers is a necessary evil. The cone needs a very powerful motor system, meaning large magnet, very light cone and tight tolerances. A high power to weight ratio. That's the only way a driver can hope to deliver both bass and treble at the same time. The resulting very low Q value driver needs to be mated to an enclosure that will enhance the bass and mids to match the treble output. Welcome the back horn. But all drivers are not that bad! First of all, allow for proper break-in. Use the right enclosure. And the right amplifier (such as a low damping factor tube amp). If using a SS amp (as I do on my FE168EZ), try a (series) 4 to 10 ohms non-inductive resistor. In my case, I noticed what seemed like a 6dB boost in bass, and a "magic" drop in low treble output, while retaining very HF sound.

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