
Subject: Re: Line array differences: small vs large mids
Posted by [Marlboro](#) on Mon, 28 Sep 2009 16:21:35 GMT
[View Forum Message](#) <> [Reply to Message](#)

Lets not get too excited here, Rick. I checked my message and the word "wrong" was not used, nor was there any implication of wrongness in using a larger woofer as opposed to a smaller one.

Since you apparently have brought up my line array when I never even mentioned it, with a pot shot which clearly defined my system as "...your drivers fall short", when I just asked a civil question, I do need to respond to that.

Of course if you use a smaller wide range instead of a mid, then the use of a mandatory dual woofer system is necessary, IMO. I have my stereo 12 inch 15mm x-max woofers crossed at 185, using a 24 db octave analog crossover.

What kind of xmax do you believe is required in mm for a 3 inch speaker, and what FS do you think should be there, and with what crossover frequency and what order?

Rick, you seem to have made a specific comment about my Sammi's. I hate to burst your bubble.

Your Hv's have an X-max of 3mm, and so do the Sammi's. And while your HV's have an FS of 77, you generally use them with passive crossovers, and perhaps not fourth order. My Sammi's have an fs of 105(pretty LOW for a midrange since most cone mid ranges have FS' in the range of 400-500hz), but then I cross them at 185hz using a 24 db/octave analog active crossover to 12 inch stereo woofers, so they are pretty much out of the picture by the time the woofer takes over. So I don't know what speaker YOU think I have in my system, but it clearly not the one you are familiar with.

But be that as it may, they are my choices which work for me, perhaps you could follow-up with the xmax you think should be in a small speaker, and what FS, including the crossover and the woofer kind to make that work FOR YOU.

Kind regards,

Marlboro