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Subject: Re: My observations and some basic measuring show...

Posted by [ToFo](#) on Wed, 27 Mar 2002 17:21:10 GMT

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My pleasure Erik, I think these are good subjects. As for your question a few lines down, I would want to see frequency response graph for that 12" and please know that this is a little out of my expertise. I feel that an active solution would be best in your case. Something simple wired between your active X-over and your low frequency amplifier. Passive inductor coil (is this the spool you speak of?) might be too steep in rolloff and reactive components are going to take away from what you are doing with the active crossover. Most systems can benefit from the right active setup. Coils can take away from the amps ability to drive your bass units, and can reduce sensitivity, thus making your problem with louder tweeters even worse. I will think more on this. Maybe we should handle this off forum as it is not very PI concerned. Feel free to email me. I may know some links that will help. As for my setup, it is for home use. I wanted to merge strengths of home and nightclub sound. Wayne's speakers have allowed me to realise this. -Theater 4Pi loudspeakers-Rane AC23 active crossover-Two Adcom gfa 5400 amplifiers (125 W/C more than enough with 4Pi's)-Adcom GFP 555II preamp. (maybe a bottlehead foreplay soon) -California audio Labs Icon MkII CD Player-Thorens TD 320 MkII Turntable w/ Sumiko Blue Point Special pickup-Tandberg cassette deck-Pioneer FM TunerThe X-over is 4th order Linkwitz/Riley w/ phase alignment. you can also add high frequency compensation with a little solder and a couple of small capacitors. I will still use the passive Pi X-over a lot. it is my reference, and I do not need huge power of two amps in my home. These amps work great with sensitive speakers as they give a few watts of class A operation. about right for all normal listening. Thomas F.