Subject: Re: it's a tough situation
Posted by Bill Martinelli on Tue, 08 Jul 2003 16:51:28 GMT
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Hi Adrian,I have a bit of experience with the 22xx drivers. You have an advantage that you have 2225 in that they can be reconed in the older style. The 2226 can not be reconed into a 2235 for instance. I have no qualms or problem running a 2226 up to 1.6k. Its a great thing and make for a great two way speaker. I use 2245, 2226, and m109 for cone drivers. The 2225 can not be used that hi as you know. So at this point I would shoot for cone'ing the basket as a 2235 which has super lower extension. Even though you have a sub the more you get from the main speaker the better. The sound from the JBL mains will be tighter, faster, cleaner. All those little catch phrases. So if the driver cant go hi enough. Make full use of it's low range capabilities.A cone loaded horn for the mid range in the cats meow. nothing compares. That's what the horn loaded single driver guys have going for them. They just sell the system short trying eek out to much bandwidth from a single driver, then adding a sub and a tweeter and still call it a single driver. It is, but it isn't. I use JBL M209-8a In an Exponential horn, which is a 8" 22xx similar that JBL uses with 22xx drivers. The bandwidth of that horn is crossed over between 400-1800 or 2K depending on which driver's I use above it. This horn is 14" x 16" and has no problem with this driver covering 300-3000. Horn response especially has problems replicating the upper cutoff of a design. You should be able to get 2500hz from a mid horn with a 6" driver. Take a look at single drivers that will work in a front loaded horn. You will need to build the horn and do some experimenting with different drivers now that you have done considerable planning. Or look at what some other guys have done for full range with tractrix horns. As long as you keep up with efficiency you might come across a winner. More things to add confusion eh? There does not seem to be a single perfect speaker or configuration! What fun would it be if you were done in one go. Bill