Subject: OH....
Posted by Marlboro on Fri, 28 Dec 2007 13:49:43 GMT
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Jeffrey,I didn't understand what you were trying to do. That's a pretty interesting concept. I've no idea whether it would work or not. Again, Bill Fitzmaurice would be the person to ask, I should think.What I meant by coloration, is that to put a bunch of speakers in the same box means that their combined radiations will muddy the sound coming back through the front.I used a separate enclosure for every speaker in my 34 speaker midrange part of the array. I used 4 lb cu ft fiberglass in tubes which eliminate most of the radiation coming back out the front. Tube enclosures eliminate muddy odd ordered harmonics by the physics of sound in tubes, so that only even ordered harmonics return through the front of the speaker, and in small quantities lend clarity not warm muddiness. The result is a line array with exceptional clarity in the midrange. I further augmented this by fixing it so that even electronically there was no chance to muddy up the mid range by having transients from the bass interfere with the waveform, since I tri- amped the system, and the woofers and tweeters have their own completely different amplifiers. Finally, I kept the midrange as sonically pure as possible by not breaking it up in the middle with a crossover. The midrange is covered from 165hz to 2500hz with the 34 mid range speakers.Its was just how I put it together, but no one else has done this that I know of, and so from experience of they synergy of this, no one else knows how significantly all these parts fit together. This is what I meant when I was talking about coloration.Marlboro