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Subject: Line array question using Bandor 50mm driver?  
Posted by [Norris Wilson](#) on Sun, 05 Sep 2004 02:31:20 GMT  
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Hi everyone, I have a few basic questions about what effects combing would have above the critical area where it starts by using the 4 ohm Bandor 50mm driver? [http://www.bandor.com/products\\_frame.html](http://www.bandor.com/products_frame.html) would like to eliminate the use of any crossover components inline with these drivers in an array, but may just be dreaming. Could the negative combing effect be allowed to be unchecked with out a problem to the overall sound quality of the array? Also, would an array of tweeters be needed to compensate for the high frequency roll off of the Bandor drivers due to the combing effect? The 50mm Bandor drivers are claimed to be able to go from 100Hz to 20kHz in a 2.5 liters sealed box. There are a few commercial array speakers that use this driver with out a crossover or an extra array of tweeters to reproduce the high frequencies. Could some type of EQ be used to boost the high frequency to compensate for the combing effect with out problems, again Duh? It is obvious that I do not have a good understanding of the nearfield effects of high frequency combing. I just read the white paper kindly offered by Jim Griffin for the first time, and very little of it has sunken in, maybe after reading it a few dozen more times. I do want to thank Jim Griffin for all of the work that he has put into this white paper and bringing it to our attention. Mini array:  
[http://www.seventh-veil.com/products\\_nonsuch4.htm](http://www.seventh-veil.com/products_nonsuch4.htm) The speaker in the link below is the only picture that I could find, but no other information was available. Full array with 16 drivers:  
<http://www.audience-av.com/contact.htm> Any and all information will be appreciated. Thanks  
Norris Wilson

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