Subject: Bipole cabinet loading effects?
Posted by Norris Wilson on Sun, 02 Dec 2007 03:19:15 GMT
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Silly questions:When loading two efficent drivers in a bipole configuration, back to back. What would the effect be on the needed cabinet volume?Would this be like a push pull, where the needed cabinet volume would halve?Or, do I have this wrong, and the cabinet volume would be the same as needed for a single driver, since they are firing out of phase?And if this push pull effect is posible, effectively halving the needed cabinet volume, how close do the drivers physically need to be mounted from each other back to back?In a Bipole configuration, I have noticed a somewhat difuse imaging characteristic similar to a dipole panel type speaker.Is this to be expected from all Bipole speakers due the cancellation effect of the back wave? Or, can the speaker be modified to where it will images more like a point source design?I like the ambient sound effect of panel, OB, and bipole speakers in general, they sounds fuller to me. But, it would be nice to have a pinpoint imaging ability as well.There I go again, wanting it all in a speaker.
ThanksNorris