Subject: Array position
Posted by JP Haggar on Fri, 24 Nov 2006 06:01:56 GMT
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HelloThere are some controversial opinions on placing the line arrays with tweeter lines inward (closer) or outward (further apart)is there a theory around this question ? The arrays are so heavy that you need to place them in the right position from the start !!!Thanks

Subject: If the bass/MR drivers are outside, the soundstage/image will sound wider.
Posted by jeffreybehr on Fri, 24 Nov 2006 15:40:35 GMT
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That's the way I'm doing mine.However, if the tweeters are merely inletted with the flange flat to the baffle front, probably they will not be in acoustical time with the the B/MR drivers because the B/MR drivers are deeper than the tweeters; mine are that way. Therefore the acoustical center of the B/MR driver is farther away from the listener than the tweeter's acoustical center. Placing the B/MR driver inside decreases that difference. I think I'll place mine that way next time.

Subject: Re: If the bass/MR drivers are outside, the soundstage/image will sound wider.
Posted by JP Haggar on Fri, 24 Nov 2006 16:50:46 GMT
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ThanksI've always wondered how you post an image on this site ?So if I understand the tweeters outside is the prefered theoretical position with a better imaging a time alignment but a smaller sound stage ! wich is not a bad thing since tha arrays have already a bigger than usual soundstage!!!

Subject: To post an image in a note, 1st post the image on a foto-sharing site...
Posted by jeffreybehr on Fri, 24 Nov 2006 17:12:56 GMT
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...that allows access to individual-pic details. Two I use are photobucket... http://s89.photobucket.com/ ...and Audio Asylum's gallery... http://gallery.audioasylum.com/ . I recommend pic sizes not over 800 pixels longest dimension and file size not over 100KB, and somewhat smaller probably is better. Too-large images/files make page-opening time quite long for those not using high-speed 'net access (and sometimes is long for those who are).Then you

figure out which posting format works in which forum by trial.I think your summary is quite correct.BTW, here.....is the 1st prototype of my OBLA system. This is the taped-together system that told me the Sonic Craft 6-1/2" drivers really were as transparent as SC's Jeff Glowacki said they were...and that is VERY transparent. And ony $10 each!!!!!!!!!

Subject: Re: If the bass/MR drivers are outside, the soundstage/image will sound wider.
Posted by JP Haggar on Sat, 25 Nov 2006 20:41:49 GMT
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Could you describe your array enclosure type ? it looks different than all I've come across !!ThanksJP Haggar

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Subject: There's no 'enclosure'. The front plate is 14" wide at its widest while the wings...
Posted by jeffreybehr on Sat, 25 Nov 2006 21:05:00 GMT
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...are angled back at a 60-degree angle. (One prototype had one wing hinged, but that wasn't nearly as stiff--nonresonant--as it should have been.) The outside wing is 30" deep at its bottom, tapering to 21" deep at its top, while the inside wings are 25" to 23" deep. The wings are stiffened considerably don't resonate NEARLY as much as they used to. Here's one in-process pic.There now are more chunks of MDF screwed to the backs of the wings, and probably I'll replace even the double-layer 2-1/2"-deep left-right braces with 4"-deep MDF braces.I'll post another pic of the current rears later today.

Subject: Here's a current pic of the rear.
Posted by jeffreybehr on Sat, 25 Nov 2006 22:35:47 GMT
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The black damping material is mostly 1/8" SoundCoat from Sonic Craft plus some EAR TED from Michael Percy I already had.I love the way these sound--VERY spacious and big, very transparent, and with the BEST bass I've EVER heard...anywhere. I'm still in process of balancing the treble, and I have to admit that the quality of the sound in the treble isn't as high as it is in the other 7 octaves.

Subject: Re: SC 6 1/2" drivers?
Posted by Jim Holtz on Tue, 05 Dec 2006 15:50:44 GMT
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Hi Jeffery,I couldn't find any info about the SC 6 1/2" drivers on the Sonic Craft website. Do you have any info that you can share? Cone material, T/S measurements, etc?Thanks!Jim

Subject: The 6-1/2s aren't on SC's site; they're left from SC's speaker-system-building days.
Posted by jeffreybehr on Tue, 05 Dec 2006 18:27:59 GMT
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They're made by Peerless (I believe) and use a plasticized-paper cone; 4-Ohm impedance; sensitivity about 90dB. Jeff Glowacki has some specs on them; call him at 940/689-9800.They're $10 each; minimum quantity is one carton of 24 drivers. I expect they're down to single-digit number of cartons left.

Subject: Re: The 6-1/2s aren't on SC's site; they're left from SC's speaker-system-building days.
Posted by Jim Holtz on Wed, 06 Dec 2006 01:46:27 GMT
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Thanks Jeffery. I suspect those were the forerunners of the GR Research M165's. Nice drivers, BTW. Thanks again for the info.Jim