Subject: Re: Bose Line Array
Posted by selahaudio on Thu, 24 Sep 2009 14:58:26 GMT
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audiomagic wrote on Thu, 24 September 2009 08:48Jbl claims their system to be passive do you think they require multiple amp channels. They have a straight line. What's your opinion on varying the intesity from center and top to bottom of line? Or varying frequency.

What exactly is the theory behind the Constant Beamwidth Technology compared to other designs?

See http://www.xlrtechs.com/dbkeele.com/papers.htm and scroll down to the CBT papers

JBL's design operates with a passive crossover so all you need to do is bi-amp with adding your own subwoofer. I would guess that they use resistors to taper the output but with the line being short and straight it would be much different than what we did. The AES papers will answer your questions better than I can. All I know is that it works and is the best line array approach I've seen for pro audio applications.