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Subject: Re: Porting of Line Array

Posted by [Anonymous](#) on Tue, 06 Dec 2005 16:55:33 GMT

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I don't see any reason why you can't change the design. If it was me I'd do rear ports with driver chambers. When you chamber the box it also serves as box bracing which is always good. I would also add MDF panels to the inside of each chamber to add mass to lower cabinet resonance and as a bonus install a wooden rod [or whatever] to cross brace the left/right chamber walls as it will couple the two sides and lower cabinet resonance even more. Install some sound conditioning polyfill [loosely] and tame the echo. If you want to go the extra mile, make denser sound conditioning pillows for each wall of the chamber [except front baffle], use Acousta-Stuf polyfill or fiberglass encased in polyester batting to keep the fibers inside the 'pillow', attach the pillows to the wall using 3M spray glue. This will leave the chamber 'open' so the port functions well. Like this; <http://home.pacbell.net/lordpk/robarray/16.jpg> This is what the inside of one chamber looks like when peeking into that 6" port in the back. Those pillows are on each wall, the port is able to function well as there is no obstruction by filling the whole chamber with polyfill and it kills the echo very well. If you execute the cabinet construction well, it should be pretty sweet.

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