
Subject: Re: Ported Enclosure for line array
Posted by [Anonymous](#) on Tue, 03 Oct 2006 14:30:51 GMT
[View Forum Message](#) <> [Reply to Message](#)

Use the same rule of thumbs as you would any ported enclosure. Don't stuff the box in such a manner that hinders port performance, usually loose fill. You can experiment by adding/removing fill and taking note of how it works. A more exotic method is to make sound conditioning pillows. I used ordinary poly batting with Acoustastuf {substitute polyfill to save money} inside, folded to make it like a pillow, use 3M spray glue to secure the pillow and use the glue to attach it to each cabinet wall. see pic; [looking inside chamber through rear 6" port] http://home.pacbell.net/lordpk/robarray/Rear_chamber-2.JPG This works very well. The large hole and pillows gives me the open airspace for proper port function and the rear sound wave has a nice big 6" hole for some of the sound to exit. The sound is smooth, uncolored by the box. You don't need a fancy 1/2" - sand - 1/2" recipe, you can do a simpler recipe if you have proper bracing to deaden the cabinet. I used 3/4" plywood {except front baffle}, then installed 12" x 12" MDF panels on each chamber wall [except the front side], four chambers. The chambers are separate/isolated by a wood brace, then each chamber has a 1" dowel securing the side panels. This is more than enough to solve the problem.
