
Subject: Help with Potential Line Array Project
Posted by [mayhem13](#) on Fri, 11 Sep 2009 03:20:00 GMT
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First Post and First potential attempt at a Line array project so please be kind.....and gentle.....

This dilemma arises from necessity as we just purchased a new home and a 'different' media space that will be used for HT and Critical 2 channel audio but i'm forced to make concessions....listening/stage wall will have built in cabinetry comprised of lower cubbards and upper bookshelves on either side of a centrally located flat screen above a bumped out low fireplace....free standing/space speakers won't fly.

Listening distance is 14.5 ft

If it matters, i've got a few conventional designs under my belt and lots of DIY subs.

So the thought is a 'built in' array of 55" or so in height but no more than 6" available width

1/3 lower portion will be 'wide baffle' in nature as cabinet doors will be on either side

Upper 2/3 line will be sided with open display shelving roughly 12" deep.

Available enclosure depth will be roughly 12"

Line will be actively crossed to stereo sealed subs of 12" at 120hz 2nd order...flexible placement.
Unibox sim in the proposed volume shows F3 118hz sealed

I submit this driver for your considerations as it's priced attractively and response looks good.

http://www.madisound.com/catalog/product_info.php?products_id=8659

Drivers mounted frames touching, 12 per side.....C to C spacing 3.9 inches

I don't expect a response from Wayne considering my 'Newbie' status here but.....1st order XO at 8khz to a centrally mounted dome?...tapered line of course.

Lengthy post i know but it's more to shoot down.....so enjoy!

Remember....be gentle.
