
Subject: 3Pi Satellite idea

Posted by [Justin Morken](#) on Fri, 20 Nov 2009 18:38:41 GMT

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I'm thinking about building a set of 3Pi speakers into 1.5cu.ft sealed boxes to use for HT and music. The Delta-12LFA models very well sealed, giving an almost ideal 2nd-order roll off @ 80hz (THX standard). They will be stand mounted (horn center @ 34") and placed directly against a wall. The baffles will be 14" wide. I'm wondering if there are any glaring problems with this idea. I understand there is no baffle-step compensation in the crossover and I the speakers should be close enough to quarter-space to make it unnecessary (I think?).

The logic for this is to achieve an acceptable WAF while retaining most of the advantages of a large two-way (I just love good horn systems!). I attached the WinISD sim (shown with subwoofer and THX crossover in place) and a Sketchup image of my concept. I'd appreciate any feedback you might have!

Thanks!

File Attachments

- 1) [living room.jpg](#), downloaded 434 times
 - 2) [ISD plot.bmp](#), downloaded 390 times
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