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Subject: Pi Corner Horn Bass Bins suitable for my horn?

Posted by [bigmattyevans](#) on Mon, 02 Dec 2013 03:34:24 GMT

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I recently stumbled across the Pi speakers website as I searched for pictures of corner horns. I don't know how I have missed it before

The reason that I was looking for images of corner horns is that I am currently involved in a group DIY project in Australia developing a constant directivity horn and I was looking for design idea to increase the WAF - not looking easy I have to say.

Here's a link to the project that I am involved in:

<http://redspade-audio.blogspot.com.au/2012/06/synergy-horn-flat-pack-kit.html>

The most recent post/images:

<http://redspade-audio.blogspot.com.au/2013/07/something-very-cool-is-coming.html>

Anyway, once I saw came across the Pi website I was interested in the whether the Pi bass bins for the corner horns would be a good match for my horns and room. Before, I was planning on having a simple direct radiator bass bin, but wondered about the applicability of the corner horns bass bins.

My questions are:

- 1) Would the corner horns match well with my mid/treble horns? Any potential issues?
- 2) I am placing my horns in "pseudo corners". Basically, each corner consists of a wall along one side and a small bit of wall and wooden shutter along the other. Will my corners be sufficient to create necessary horn? If not, would it be reasonable to extend the speakers side panels further from the back corner?
- 3) What is the usable frequency range of the corner horn bass bins?
- 4) I don't have much spare space in my room for multiple subs. Would the corner horn bass bins combine ok with direct radiating IB subs (built into the ceiling)?

Your thoughts are much appreciated,

Cheers

Matt

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