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Subject: minor mid-horn mods

Posted by [Chris R.](#) on Sun, 20 Jul 2008 19:30:28 GMT

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Wayne, I'm close to making up a pair of mid horns, but have a small problem. I need to finished width to be 24", including the outerbox they'll go in. I was reviewing the dimentions from your post 14408 and if I cut both sides and top/bottom to be 4.5" at the small end, and butt joint them, the horn entrance won't be 4.5" square because of material thickness. In any case, if I need to narrow the width slightly (~1.5"-2"), should the sides be angled in to maintain horn length, or just shorten the whole thing a little? Thx, Chris

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Subject: Re: minor mid-horn mods

Posted by [Wayne Parham](#) on Mon, 21 Jul 2008 03:27:56 GMT

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You can scale it down a bit but please remember that an undersized horn becomes peaky. So scale it back as little as possible because even though the horn is physically large, it is acoustically small. I would be sure to extend the mouth right to the edge of the cabinet to get as much mouth area as possible.

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Subject: Re: minor mid-horn mods

Posted by [Chris R.](#) on Mon, 21 Jul 2008 17:33:33 GMT

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Sorry to bug you again about this, but its OK ot scale in which direction? Plain width with no geometry changes, which translates to shorter depth, or horizontal angle. Thx, Chris

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Subject: Re: minor mid-horn mods

Posted by [Wayne Parham](#) on Mon, 21 Jul 2008 19:26:11 GMT

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Well, any direction you go will change things. No truncation results in the same results.

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