Subject: Double Driver Bass Horn Question
Posted by Skip Pack on Tue, 30 Nov 2004 20:18:18 GMT
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Being intrigued by your 12Pi and 15Pi concept discussions, I've beendriven to ask if a couple of Eminence Alpha 10's might work in thisconfiguration with back wave BR tuning as in the Studio 2 PI or 2 PiTower volumes/ports? This would hopefully work with a midhorn/2002 for fairly high performance, relatively low cost, music system. It seemslike you have the crossovers on the shelf. I would think that thebenefits of your 2 driver configuration would do more for drivers witha bit more distortion that it would for pricier, cleaner drivers.Any thoughts?Skip Pack

Subject: Re: Double Driver Bass Horn Answer
Posted by Wayne Parham on Tue, 30 Nov 2004 20:36:55 GMT
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between the drivers is constrained, so the coupling between them is good. This will improve the distortion reduction mechanism. And for another thing, the drivers are not visible so the exposed magnet is not ugly.For your specific example, I think a pair of push-pull Alpha 10's in 3ft3 to 10ft3

use a traditional bass-reflex box. That's a couple of excellent systems that wouldn't cost much to build.

Subject: Re: Double Driver Bass Horn Answer
Posted by Skip Pack on Tue, 30 Nov 2004 20:47:19 GMT
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I'm not sure that there are corners with enough clear space in the room in which I would use these. Could the W-horn configurationyou discussed for the Lab 12's work with the Alpha 10's, withadjustment?

Subject: Re: Double Driver Bass Horn Answer
Posted by Wayne Parham on Tue, 30 Nov 2004 21:21:08 GMT
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Sure, you could build a folded horn for them. I've not modeled them in a folded horn, so I'm not

mounted on a midhorn with the rear chamber vented to extend response down to 35Hz.

Subject: Re: Bass Reflex Version with Alpha 10's
Posted by Skip Pack on Wed, 01 Dec 2004 02:58:06 GMT
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A box 24" wide, 18" deep and 36" tall would be a little under 9 cu. ft.You could divide it verticaly with a front-to-rear septum with a bit of sturcture to mount the push pull drivers on the divider toward thetop middle (looking from the front). The drivers would radiate forwardthrough a vertical slot. Each of the BR chambers would be isolated andports could be on the back. The width would match the mid-horn sittingon top. Could be fun.

Subject: Re: Bass Reflex Version with Alpha 10's
Posted by Wayne Parham on Wed, 01 Dec 2004 04:01:57 GMT
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Sounds like a nice speaker!
