Subject: Suitable top for basshorn
Posted by XSNRG on Mon, 25 Jun 2007 09:51:20 GMT
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I am building a speaker system for a disco and would need plans for the basshorn and a suitable top to match, thanks in advance.

Posted by Wayne Parham on Mon, 25 Jun 2007 21:28:54 GMT
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completed cabinet, as a flat pack kit or a driver kit. I can send plans if you're interested.

progress on new projects is very slow because I have a lot of other responsibilities right now that

implement it easily though since it is just three straight horns.

Posted by XSNRG on Mon, 25 Jun 2007 22:52:32 GMT
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Thanks you Wayne, for the concept pertaining to the top for basshorn subwoofer.I awaits your plan when it's available,in the meantime i will accept the plans for the basshorn.

Subject: You've got mail!
Posted by Wayne Parham on Mon, 25 Jun 2007 23:19:04 GMT
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Posted by XSNRG on Tue, 26 Jun 2007 15:03:55 GMT
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Thanks for well needed information. I plan yo try and try and implement a 9Pi top, can i get a side elevation sketch, so that i can understand more, the horn placement concept?

Posted by Wayne Parham on Tue, 26 Jun 2007 16:10:26 GMT
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Each horn is to be independent of each other. This makes them more configurable for the installer. The challenge is how to make them most configurable and at the same time make them easy to setup in a building block approach. For example, with the cabinets in the shape of a truncated pyramid, they are easily splayed but they don't sit nicely on top of one another. The solution is external hardware brackets, which allow multiple placements to be possible. That's where I'm at with the design. Conceptually, it is three indepedent horns having cabinets shaped like truncated pyramids with brackets that are adjustable to allow them to sit one on top of each other or to be arrayed in groups.

Subject: Wayne: what are you thinking in terms of crossovers...
Posted by xcortes on Tue, 26 Jun 2007 19:05:07 GMT
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and compensation?Thanks,xavier

Subject: All active
Posted by Wayne Parham on Tue, 26 Jun 2007 20:07:30 GMT
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There would be no good reason to incorporate a passive crossover in a system like this.

Subject: a good reason
Posted by xcortes on Tue, 26 Jun 2007 20:27:27 GMT

if the slopes permit, maybe pasive line level crossovers would work?

Subject: Delay lines
Posted by Wayne Parham on Tue, 26 Jun 2007 21:17:50 GMT

Sure, passive line level crossovers could be used. If you think about it, analog active filters are generally just passive components surrounded by active buffer stages. So a passive line level crossover is not much different than an analog active crossover.On the other hand, the basshorn is long enough that some delay for the mains is in order. The midrage and tweeter horns are about the same length, but the midbass horn is longer. Appropriate delays for each subsystem could be done with position, but electronic delay lines are probably more convenient. This makes more sophisticated crossovers somewhat attractive.