Subject: Hybrid 4pi midhorn
Posted by rick on Sat, 08 Mar 2008 19:59:41 GMT
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Well I've used the theater 4 pi for some years now and it's a gem, a real gem. But now see, I got that itch, a kind of knawing and wondering about the mid horn. What would it do to tickle my auditory nerve. Would voices and some instruments seem more profound and titillating? I'd want to do this up too. Jbl 2226 and 2012 if it could be had, does it exist anymore in this country? I can't even find it on ebay, (and I've had a serch on it for months). And b&c 250 for the top end. I'm ranting cause I got that itch. Would anyone whom are using the mid horn care to fuel my knawing and craving by exorting the many fine atributes of said device? Thanks.Rick

Subject: Re: Hybrid 4pi midhorn
Posted by Wayne Parham on Sun, 09 Mar 2008 07:36:26 GMT
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but don't cut the hole for the tweeter. Put the midhorn on top of it and the tweeter on top of that.

Subject: Re: Hybrid 4pi midhorn
Posted by rick on Sun, 09 Mar 2008 20:07:00 GMT
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Actually I'd like to build a whole new system. Bass bin, midhorn and tweeter, and I'm considering regular crossover and biamp choice for the bass bin to upper stages. I would like to be able to use both of my amplifier systems, an old hafler 100w for below and tube mono,s for above. Would a conventional 24 db electronic crossover be compatable with what the design of the regular crossover intended? That is, the rate of slope to attenuation is not "the" crucial factor for a smooth transition to the midhorn? I seem to remember equal summation for the two drivers. Also I guess the jbl 2012h is a rare find to be had as I meantioned prior. Funny, I see it still for sale on foreign pro audio websites.Rick

Subject: Re: Hybrid 4pi midhorn
Posted by Wayne Parham on Mon, 10 Mar 2008 04:40:39 GMT
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Biamping is definitely an improvement, but you'll want to maintain the same slopes. The woofer and midhorn are acoustically close so summing is best with a low-order crossover. Midhorn/tweeter is a little tighter and you'll want third-order on the tweeter with equalization as shown below. The midhorn electrical slope is only first-order, which combines with an acoustic second-order slope.

Subject: Re: Hybrid 4pi midhorn
Posted by rick on Sat, 22 Mar 2008 04:15:26 GMT
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Thanks Wayne, so a low order slope for the jbl 2226 to the midrange horn, is that a 1st order slope? Also to use the b&c 250 tweeter, would the compensation network remain the same as that used on the eminence 2002 but padded down with more resistence for its higher sensitivity?
Rick
