Subject: Crossover
Posted by Cuppa Joe on Sun, 24 Dec 2006 06:34:53 GMT
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Wayne- I have some Q's about your passive x-over(s), if you don't mind.1.) Do you sell them as a separate component?2.) How many variations of your 1.6kHz x-over exist? That is, do you have modifications for different driver options (Eminence, B&C, JBL, etc.)? Here, I'm thinking about your Midhorn/HF combo.3.) Since the HF driver is set forward of the Midhorn driver, how does the x-over compensate for this offset? Here, I'm again thinking about the coaxial variation of mounting an HF horn in the mouth of the Midhorn. (Yup, this mod still appeals to me!)Happy Holidays to all!

Subject: Re: Crossover
Posted by Wayne Parham on Sun, 24 Dec 2006 23:20:35 GMT
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The crossovers are available separately for $99.00 each. They are optimized for the application, and so aren't always suitable for general purpose. The positions of midhorn and tweeter are important for summing to be right.

Subject: Re: Crossover
Posted by Cuppa Joe on Thu, 28 Dec 2006 04:06:34 GMT
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My intent for the crossover would be your existing midhorn/HF application, and not for GP. I was simply wondering if the HF horn's frontal position (above, below, either side, or inside) were important as long as the depth ratio between drivers were preserved? (I already had some intuition that summing was involved.) And, if another compression driver were used (like a B&C, for instance), might any conjugate or compensative filters differ?

Subject: Re: Crossover
Posted by Wayne Parham on Thu, 28 Dec 2006 17:13:29 GMT
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Yes, the wavelenths at crossover and driver position are calculated to ensure proper summing. Measurements prove each driver is exactly where it needs to be for summing to be right through the overlap band. Compression drivers act pretty similarly at low frequencies (where crossover is

made) so no changes are required when substituting drivers.

Subject: Re: Crossover
Posted by Cuppa Joe on Fri, 29 Dec 2006 04:00:13 GMT
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Got it! Thanks for the clarification and detail.
