Subject: Re: Wayne
Posted by Adrian Mack on Wed, 27 Apr 2005 15:10:53 GMT
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As for a 'worthy' project, it is if thats the sort of thing that intriges you. IMO the unity horn seeing as it only offers time alignment from 300Hz to about 4Khz (if I recall correctly), is not something which you should get caught up in. As a DIY project, it is a very difficult task and those that have done it have put hundreds of hours of tweaking into it because the positions of the drivers has to be very precise, and getting phase cancellations at the throat from the multi-drivers is a big problem when attempting it as a DIY. As Wayne said, what you should aim for is flat response and phase alignment within a specific margin. EG: +/- 90degrees. This is something you can achieve with seperate horns. The concept of the unity is appealing and I'm sure Tom Danley's unity horn does sound very good, but you can achieve a system which sounds just as good by other means. But in answer to your question, I would not try it as a DIY project unless you have heaps of spare time, good measuring equipment and the money to try dozen's of combinations of different compression drivers and middrivers and xover configurations to get it right.