Subject: Pi Midrange Horn
Posted by Algonquin on Sat, 09 Oct 2004 18:21:14 GMT
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Hi all,I recently discovered Pi Speakers at another website talking about midrange horns. Yours are getting rave reviews, congratulations. How would you say it compares with large compression drivers?Algonquin

Subject: Re: Pi Midrange Horn
Posted by Wayne Parham on Sat, 09 Oct 2004 20:18:46 GMT
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Personally, I prefer the sound of vocals through large horns loaded with cone midrange drivers. It is most noticeable to me in the under-500Hz range. Most of the modern compression drivers don't sound good to me run down below 500Hz, and they can't handle much power. Many aren't particularly good under 1000Hz. Some sound OK in the midrange, but I think the better cone-loaded horn mids sound better. This is most true in the lower midrange, where I just don't find any modern compression horns that I really like.

Another thing to consider when making comparisons is that the better cone mids usually have flux stabilized magnets, so they distort much less. High-efficiency cone mids generally have parameters that make them suitable for horn loading, so implementing them in a midrange horn is possible. I really like the sound of a 90x40 straight-sided vocal-range horn for home use, particularly when used on a cornerhorn. It's nice when the midrange horn and tweeter horn are both 90° horns, and then when used in a cornerhorn speakers system, everything has the same horizontal dispersion pattern, covering the whole room.

See the following thread for more information:

Subject: Re: Pi Midrange Horn
Posted by Algonquin on Sat, 09 Oct 2004 21:22:57 GMT
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Thank you.