
Posted by [Wayne Parham](#) on Thu, 14 Feb 2008 18:33:17 GMT

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I think the Klipschorn is a fine speaker that sounds good in spite of its warts. It was designed in the 1940's. That's impressive to me, all by itself. On the other hand, a folded bass horn used to 400Hz is not a good idea. Middle "C" on a piano is 260Hz. Think of that. You have most of the fundamental range of voices going through all that wood in the passageways of a Klipschorn. That's what makes voices sound kind of resonant in a Klipschorn. The panels become a sounding

cornerhorn design: Woofer is acoustically closer to midrange for better integration
Midhorn is larger and allows lower crossover
Midhorn covers the entire vocal range
Midhorn/tweeter crossover is optimized for better summing
All horns provide constant directivity of 90°
Crossover is optimized to maintain constant directivity through crossover regions
Reverberent field is more uniform because of constant directivity
