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Subject: Re: Request plans and Klipschorn question  
Posted by [Wayne Parham](#) on Wed, 16 Feb 2011 14:17:19 GMT  
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The Klipschorn is too long internally for proper summing in the woofer-to-midrange crossover region. It cannot develop a coherent forward lobe because of the phase difference between woofer and midrange. It's great for acoustic loading but bad for summing and ultimately, the overall sound pattern suffers.

between it and the Klipschorn. Our approach is to use the corner as a large waveguide. It isn't used for horn loading in the traditional sense, it is primarily used for directivity control. Additionally, the woofer and midrange are blended to mitigate floor bounce. There is more information about constant directivity cornerhorns in the whitepaper below:  
High-Fidelity Uniform-Directivity Loudspeakers

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