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Subject: Re: Orions

Posted by [akhilesh](#) on Wed, 28 Dec 2005 16:18:26 GMT

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Hi Bill, They use peerless woofers, SEAS midrange and SEAS tweeter (dome). You can get plans at: [http://www.linkwitzlab.com/orion\\_challenge.htm](http://www.linkwitzlab.com/orion_challenge.htm) They are active, and EQed, with I believe the ability to adjust EQ somewhat. I wouldn't mess with linkwitz's design. These are the best designed speakers I have ever seen, for home listening. They would not work in a pro setting, but for home sound and accurate fidelity, they are the best designed. I would not mess with the design, simply do it word for word. A friend of mine in Tulsa is planning to build them, and after they are done, I might be tempted as well. Their specs are awesome (+/- 1 db from 25 hz up to whatever) but more so is the imaging. These are AWESOME imagers. The only place where they suffer is in dynamics, compared to say a klipschorn or VOTT system, that has been properly equalized. I listened to them, came back, and re-EQed my VOTT system, which was not too well eqed when I had the audio meet last week (sorry guys). The altec system sounded good, and certainly more "live" in terms of dynamics. However, the orions are on a different planet in terms of 3-d imaging. After the klipschorn's design of 1948, I really think this is the most significant design in home speaker reproduction to come out. It is also a very attractive design, and does not require too much space. A very clever and elegant design indeed. Kudos to Dr. Linkwitz for sharing his work with us. -akhilesh  
orion website

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