

ORION & THOR / Brazilian Cherry



ORION / Bubinga & Quilted Maple



ORION & Thor / Maple with Ebony Trim



## Wood Artistry, LLC

**Fabricators of the Orion, Thor, and Pluto-2 speaker systems.** We custom make these systems in a wide variety of woods selected to meet our customers design criteria.

### ORION

A loudspeaker system for accurate sound reproduction in normal living spaces.

### THOR

A sealed-box, monopole 12" subwoofer. It can extend your sound system's very low frequency capability or it can be added to the ORION.

### PLUTO-2

A 2-way integrated loudspeaker-amplifier system for accurate sound reproduction in smaller living spaces. Optional subwoofers provide a growth path to ORION-like performance. The objective was to minimize product cost without sacrificing sound transparency and phantom imaging. This led to the use of inert materials and a closed-baffle design in combination with excep-

**ORION** speakers start at \$5200 per pair.

Complete turnkey **ORION** system, including crossover, amplifier and cabling starts at \$8400.

**THOR** starts at \$2200 per pair.

**PLUTO-2** system is \$2995.



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## Orion Speakers



**Make the room disappear and let the music speak for itself with the ORION system designed by world-renowned audio engineer Siegfried Linkwitz & fabricated by Wood Artistry, L.L.C.**

## Orion & Pluto Designer Siegfried Linkwitz



Renowned audio engineer Siegfried Linkwitz has revolutionized sound design. After retiring from Hewlett-Packard Co. (now 'Agilent') with 37 years in R&D of radio-frequency and microwave electronic test equipment, Linkwitz pursued investigations of the loudspeaker-room-listener interaction with refreshed energy and time. In the late nineties he developed the Beethoven/Dvorak/Vivaldi line of open-baffle loudspeakers for Audio

Artistry. His objective is the development of cost-effective loudspeaker systems for two-channel sound playback of the highest accuracy. The Orion system meets that objective.

[www.linkwitzlab.com](http://www.linkwitzlab.com)

*"It is possible to reproduce a stereo recording in an ordinary living room such that listeners have the illusion that the two loudspeakers have disappeared and when they close their eyes, they can easily imagine to be present at the recording site."*  
- Siegfried Linkwitz

### A new look at Recording for Stereo

The illusion of listening into a different space can only be created if the recording contains the necessary auditory cues. The following are comments from a recording engineer's perspective.

"The ORION is qualified to serve as a standard in monitor loudspeakers. They do not depend upon room standardization or special acoustic treatment to enhance uniformity of result. A normal room with normal acoustics will optimize the listener's "room subtraction filters", reducing both the room's influence and the effect of differences between rooms. Once the value and utility of this system was recognized and accepted, some conclusions involving acoustical recording have formed as a result.

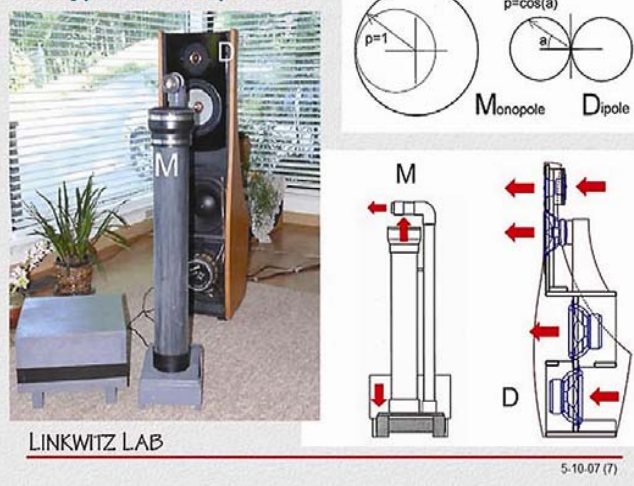
Stereo, it turns out, is a less restricted and far more capable medium than previously thought. When well executed, there is a reassuring timelessness to it, and surprise at how complete the stereo experience can be. Who knew there was this much gold left to be mined? Even sub-optimal recordings benefit and are given new life. "

— Don Barringer, 11/2007

### Orion Specifications:

- Open baffle cabinet - Dimensions: Ht 46.25" - Width 13" - Depth 16" at widest point
- Weight 60 lb (27 kg)
- 3-way active speaker system
- Crossovers at 120 Hz and 1440 Hz
- Crossover/Equalizer using two ORION ASP printed circuit boards
- Tweeter - Seas T25CF002 -
- Midrange - Seas W22EX001
- Woofer - two Peerless 10" XLS, 830452 Push-pull mounted in H-frame - Response -3 dB at 30 Hz (-6 dB at 20 Hz for Q = 0.5 and -12 dB/oct to 5 Hz)
- Eight power amplifiers (
- Room size:  $\geq 240 \text{ ft}^2$  ( $>22 \text{ m}^2$ ) area,  $\geq 8 \text{ ft}$  ceiling
- Speaker placement measured from tweeter:  $\geq 4 \text{ ft}$  from rear wall,  $\geq 2 \text{ ft}$  from side walls, speaker separation  $\geq 8 \text{ ft}$

#### Two types of loudspeakers



### Orion Speakers

A loudspeaker system for accurate sound reproduction in normal living spaces. The objective was to obtain the highest acoustic performance possible, using the best suited components available today. The latest in understanding about sound perception in rooms it led to the open-baffle ORION loudspeaker design.

The ORION is a speaker with seamless integration of its drivers over the whole frequency range, a speaker that sets up a wide, deep and tall sound stage, yet with realistic localization of instruments and voices, with clarity and warmth, with speed and impact. The ORION is an open baffle speaker or dipole radiator that radiates sound to front and back, but not to sides and top. The speakers disappear and what remains is a panorama of sound.

### The Audio Critic raves about ORION:

"I have never listened to a loudspeaker that sounded as musically convincing, in stereo, as the Orion. The soundstage is simply wider, deeper, and more precisely layered—and therefore more lifelike—than I have ever heard out of a pair of transducers. It's startlingly 3-D sound out of two channels. I feel it is necessary to make that statement before I go into details. The Orion was a totally new kind of audio experience in my life, one that required the reshuffling of established values and assumptions."

The ORION review by Peter Aczel has been reprinted with permission from The Audio Critic Webzine at

<http://www.theaudiocritic.com>

The ORION employs two 24 dB/oct filters for highest accuracy of perceived sound.



The ORION crossover / equalizer