bowhead

alpha five seven

The Bowhead alpha five seven is the next evolution in loudspeaker design. Based on a simple idea that sparked a decade of design and research; the concept that each frequency band should be free to move independently of all others.

The result is a speaker unlike any other before it.

With 9 drivers and 8 independent channels it is quite possibly the most complex speaker ever made, yet each channel has a direct and simple signal path. Each driver is directly coupled to its own amplifier. The analog crossover network is employed before the amplifiers where the signal is easily dissected and noise is easily rejected.

From the analog crossover network to the 9 independent amplifiers every component is operating well below its intended maximum. Even at maximum input levels, the circuitry effortlessly produces a distortion free output.
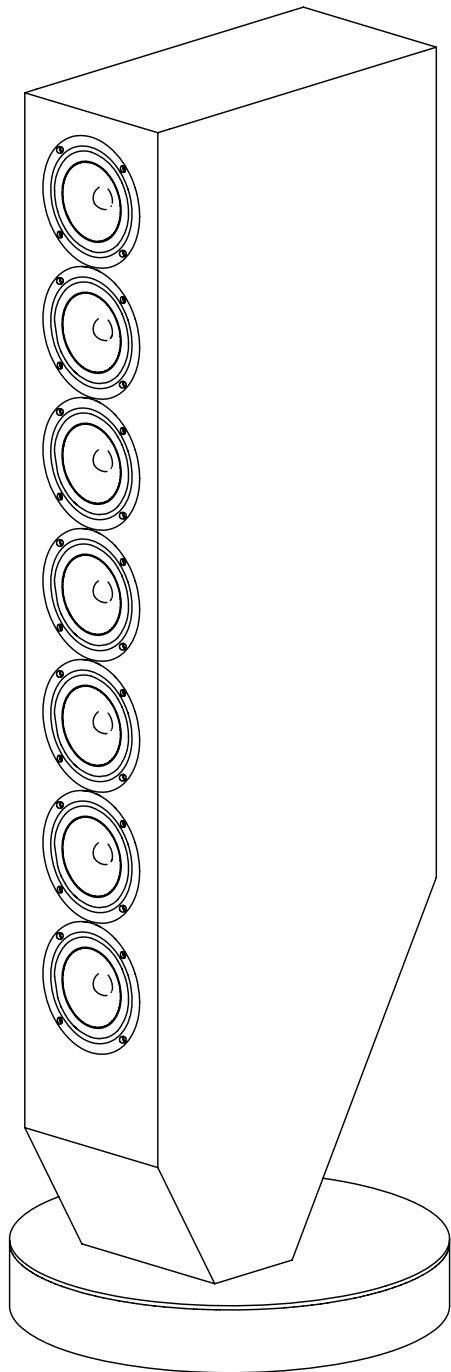
Simply, the "8-way analog active loudspeaker."

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Type	8-Way Active Full Range Loudspeaker
Frequency Response (+/- 3db)	20 Hz to 20,000 Hz
Frequency Response (+/- 6db)	14 Hz to 22,000 Hz
Nominal Input Impedance	100k ohms
Rated Power	850 Watt Continuous / 1375 Watt Peak
Full Range Amplifiers	7x 150 Watt Class D (0.05% THD)
Subwoofer Amplifiers	2x 250 Watt Class D (0.008% THD)
Maximum Acoustic Output	125dB
High Frequency Drivers	3x 5" Polypropylene Full Range
Mid Frequency Drivers	4x 5" Polypropylene Full Range
Low Frequency Drivers	2x 8" Aluminum Subwoofer
Crossover	Proprietary 8 Channel Active Analog
Enclosure Material	Bamboo (multi-layered alternating axis)
Enclosure Type	Sealed
Height	60 inch 1524 mm
Base Width	20 inch 580 mm
Enclosure Width	8 1/2 inch 216 mm
Depth	18 inch 457 mm
Weight	123 lbs 56 kg
Finish	Natural Bamboo (Custom finishes available)

8-Way Crossover

Source — Digital — DAC Preamp — Single Ended — 8-Way Crossover (Noise Filter, Input Buffer) → Filter / AMP (x8)