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Subject: Building a a set of Calipso's

Posted by [Marlboro](#) on Sun, 10 Feb 2008 01:36:24 GMT

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I use a three way system: Per channel: 30 dome tweeters cut to a c-to-c distance of about .86 inch, 17 -3.5 inch 3 mm x-max midranges covering the 165hz to 2400hz frequency range, and and 1 -12 inch poly Prop 15 mm x-max 250 watt DVC woofer covering about 20hz to 165hz. The crossover is an analog Rane Ac-23b electronic crossover, 24 db/octave. The woofers are powered by their own 350 w/ch amp, the mids by their own 175 w/ch amp, and the tweeters by their own 60w/ch amp. Each amp has its own volume controls, so i can limit the amount of volume control that is required by the Rane unit. Each midrange speaker is inside its own completely separate 4 x 23.5 inch tubular enclosure (1/2 outside air space between them), stuffed with 4 lb/cu ft fiberglas wrapped in polyfill batting. The woofers are in their own slightly small ported enclosure, but the room acoustics compensate, and with the power available to them put out more bass than I need at any music I listen to, and provide plenty of punch I can feel in my gut if I'm so inclined (as I just felt in David Sanborn's STRAIGHT TO THE HEART album. Marlboro

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