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Subject: Re: Aztec Monet Cabinets

Posted by [Wayne Parham](#) on Wed, 10 Mar 2021 17:23:59 GMT

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You've got mail!

But I must admit that I would advise against using this cabinet for a four Pi loudspeaker build. I'm concerned about the quality of the midrange in that cabinet. Internal standing waves might cause problems.

The original design had a midrange driver in its own internal cabinet. The main cabinet was energized only with bass frequencies from the woofer.

In a four Pi loudspeaker, the midwoofer energizes the cabinet with bass and midrange frequencies, but the layout - the positions of the driver and the port in relation to the internal surfaces - as well as the positions of the damping material mitigate internal standing waves in the midrange.

If you decide to give it a try anyway, please perform acoustic measurements and pay close attention to the 100-300Hz range.