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Subject: McIntosh XRT - 28 Line Array's ???  
Posted by [wireknot](#) on Sat, 08 Apr 2006 00:52:48 GMT  
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Hi,I was looking to buy McIntosh amp. MA 2275 and I happen to see and hear the XRT-28 made by McIntosh. I had hear many speakers before but I was really extremely impress (blown away by this arrays - if you can call it that. I'm new to line arrays but this are not typical looking arrays. Instead of one row of drivers per speaker they have (20) 4" midrange in 2 rows (10 each row) with (16) - 1" tweeters in between the Midranges and (2) 10" Woofers. I find out from MC web side this are 3-way sealed system in aluminum enclosure - and yes the price tag 18K !!!! They sound is absolutely spectacular (only my humble opinion) Does anyone think it would be possible to DIY similar project ? Obviously it wouldn't be aluminum enclosure and different drivers. I understand the quality and precision of the finish speakers wouldn't be the same but I'm sure it could be done for a lot less than 18K Please let me know what you guys think - Am I out of my mind ? Did I really lost my marbles ? John

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Subject: Re: McIntosh XRT - 28 Line Array's ???  
Posted by [Jim Griffin](#) on Sat, 08 Apr 2006 13:46:16 GMT  
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John,I did an analysis (see link below) last year on a similar McIntosh design (the XRT-29) and much of that thinking likely applies to the XRT-28. That analysis is down the page in this forum at: <http://audioroundtable.com/ArraySpeakers/messages/492.html> Now you can duplicate their design for less money but there are a couple of things to keep in mind. One is the relatively low crossover frequency between the mids and the tweeters given the symmetrical horizontal arrangement of the mids and tweeters. So the drivers need to be selected to satisfy these requirements. McIntosh doesn't use exotic world class drivers so you can likely find several that can meet your needs. McIntosh tells you a lot about their design in the owners manual. Frankly, I design arrays differently vs. McIntosh as you will understand if you have read my white paper. I like planar or ribbon tweeters vs. dome tweeters. Good luck and let us hear what you choose to do. Jim  
Near Field Line Array White Paper

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Subject: Re: McIntosh XRT - 28 Line Array's ???  
Posted by [Eric](#) on Sun, 09 Apr 2006 15:22:48 GMT  
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Jim,I am making my way through your whitepaper. In the first page you say your going to stay away from the basics of loudspeaker design and focus on arrays. Is there a good primer on the web for general loudspeaker design? Thanks, Eric

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Subject: Re: McIntosh XRT - 28 Line Array's ???  
Posted by [mr hayes](#) on Fri, 28 Apr 2006 02:43:15 GMT  
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<http://www.roger-russell.com/xrt20.htm>This link will help you out with good info.

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