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Subject: Port - front or back

Posted by [jshoc](#) on Wed, 22 Feb 2006 23:43:10 GMT

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What are the tradeoffs between locating the port on the front or back of a bass reflex cabinet. The project continues - picked up a pair of JBL 2446J compression drivers with 2385A flare. The flares are significantly bigger than the ones being replaced so that I have to do some significant rework of the front baffle to accomodate them. The speaker cabinets are 4 Pi Towers with two four inch diameter (length 3.5 in) rear ports. Since I am redoing the baffles, I could easily locate the ports to the front. My woofers are Eminence Delta Pro 15in in a 6.5 in cubic enclosure. In the corner behind the speakers are bass traps. Would relocating the ports to the front improve the bass? Thanks Hahn

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Subject: Re: Port - front or back

Posted by [akhilesh](#) on Thu, 23 Feb 2006 13:23:59 GMT

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No one can answer that. It depends on room placement, what the other drivers are doing in terms of phase, etc. The best way is trial & error. Get a port plug, and make two ports, and then seal one. -akhilesh

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Subject: Re: Port - front or back

Posted by [Wayne Parham](#) on Thu, 23 Feb 2006 14:36:02 GMT

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As long as a port isn't blocked, it makes no difference, front or rear. It forms a Helmholtz resonator and the frequencies of interest have very long wavelengths, completely omnidirectional.

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Posted by [Wayne Parham](#) on Thu, 23 Feb 2006 14:36:02 GMT

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