
Subject: Is it my imagination that the Stage 4 Pis lack midrange?

Posted by [James W. Johnson](#) on Fri, 28 Jan 2005 15:12:15 GMT

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I do love my Stage Series 4 Pis, after some time I found my Parasound HCA-1500A amp was going to waste by powering these speakers so I sold it and put some cash in my pocket. My Pioneer Elite 54TX receiver does just as good of a job. Its really nice having easy to drive speakers , perhaps one could justify the extra cost for these speakers just by the savings that can be had in the amp section.If I did upgrade amps then id go straight to a solid 400wpc @ 8ohm amp.Anyhow I am posting because I am sort of considering selling my Stage 4 Pis because I have this bias that I cannot shake...I keep looking at that huge 15" driver and that small 1" tweeter and have to think I am missing something.Am I?

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Subject: Re: Is it my imagination that the Stage 4 Pis lack midrange?

Posted by [GarMan](#) on Fri, 28 Jan 2005 16:57:58 GMT

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James,Spec's don't tell the whole story, but it's a good place to start. According to Eminence's SPL graphs, the Omega 15 runs pretty flat up to 2000Hz, while the PSD2002 comes down to 1600Hz. So, there shouldn't be any holes in between.Have you performed a frequency sweep to hear if there are any audible holes in that area? If so, try reversing the connection on the tweeter to see if it makes a difference.BTW, the tweeter's exit throat is 1". The diaphragm in the tweeter is 2".regards,Gar.

Subject: Re: Is it my imagination that the Stage 4 Pis lack midrange?

Posted by [Wayne Parham](#) on Fri, 28 Jan 2005 23:26:02 GMT

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I don't find any lack of midrange and as Gar said, measurements show nice response too. But you can always add a midhorn if you want.

Subject: Re: Is it my imagination that the Stage 4 Pis lack midrange?

Posted by [ToFo](#) on Sat, 29 Jan 2005 01:35:22 GMT

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Hi James'I run a Behringer DEQ2496 which includes an RTA and measuring mic. It shows + or - 2 dB from 115hz to 12,500hz (with the EQ off) at the listening position (in room). I make no

particular claim to accuracy, but with modern digital gear and calibrated mics the accuracy is quite good. For the record, my present setup has the exact PI crossover. It is also cool that with judicious EQing I have 30 to 20K flat to 100 dB with a 40 watt Crown D-75A! Also consider that the Delta 15 has a thin light cone which means the cone is flexible at higher frequencies, so the total mass and size doesn't prevent the higher frequencies. With strong paper and at the associated moderate power levels this is usually an asset as I believe is the case here. This is why they don't shut down at 1000Hz like the Magnum or Kilomax. As for the HF driver its 2" once you get down into the guts. Horns load that light diaphragm to make it "feel" bigger and heavier, but up high the throat is too big to resist that huge honkin' magnet, yet small enough not to cancel out the top octave. So you still get enough top end. Most bigger drivers have no good top end. Enjoy 'em! Thomas

Subject: Re: Is it my imagination that the Stage 4 Pis lack midrange?
Posted by [Grant Marshall](#) on Wed, 02 Feb 2005 13:49:55 GMT
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Hi James. There is less midrange present when listening to my Pi 7's too. Most speakers accent the midrange. How often do you listen to a car radio or radio at work that doesn't have any/many frequencies below 100 hz being produced? On many systems you listen to drums and they are background noise. When you listen to drums on the Pi's you can tell when they're getting pounded. I was looking at those little Bose cubes the other day paired up with a sub in a restaurant I was at. They made decent sound considering the size. The midrange was certainly there. The drums were definitely background only. Speakers like the Bose cubes are designed to make the midrange that much more present and that is what a lot of people are used to listening to. I prefer the Pi's though. Grant.

Subject: Re: Is it my imagination that the Stage 4 Pis lack midrange?
Posted by [James W. Johnson](#) on Sun, 13 Feb 2005 17:37:58 GMT
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Thanks guys...sorry for the late response BTW. I have come to the conclusion that my room is greatly handicapping my Stage 4 Pis. Hopefully some day I can give these speakers the room they deserve.
