
Subject: Pi Speakers for HT use?

Posted by [James W. Johnson](#) on Sun, 27 May 2001 20:13:28 GMT

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I am looking for a very efficient speaker to be used for my home theater and music system, It has been recommended to me to look into Pi speakers but I do not see that any of them are shielded.

Subject: Re: Pi Speakers for HT use?

Posted by [Wayne Parham](#) on Sun, 27 May 2001 20:58:37 GMT

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Pi Speakers do not include magnetic shielding, and most of them have drivers with large, powerful magnets. So if you must place the speakers physically close to the television set - these are a "no go." They'll deflect the electron beam and warp the screen, changing colors and shape of things on the screen. As an aside, I've also noticed mechanical vibration causing distortion of the picture.

This isn't caused by magnetism - its from physical vibration movement of the yoke. I see it when running my speakers, and they are physically too far away for magnetism to interfere with the yoke.

Subject: Re: Pi Speakers for HT use?

Posted by [James W. Johnson](#) on Mon, 28 May 2001 00:24:00 GMT

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So if I wanted to keep all 5 speakers the same which would you recommend?...note that this system is used for music as well and I am looking for audiophile performance and super high SPLs. Thanks

Subject: Re: Pi Speakers for HT use?
Posted by [Wayne Parham](#) on Mon, 28 May 2001 01:24:09 GMT
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I'd run all Professional Series four Pi's. But they're not magnetically shielded.

Subject: Re: Pi Speakers for HT use?
Posted by [James W. Johnson](#) on Mon, 28 May 2001 05:28:48 GMT
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What style of enclosure do the Fours use?

Subject: Re: Pi Speakers for HT use?
Posted by [Wayne Parham](#) on Mon, 28 May 2001 07:24:54 GMT
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It's a DI-matched two-way horn loudspeaker, meaning crossover is made where the direct radiating midwoofer narrows to match the directivity of the tweeter horn. This provides smooth on-axis and off-axis response, smooth directivity and a more uniform reverberent field. The cabinet provides bass-reflex loading for the bass. It's slightly overdamped, so the rolloff is gradual and the system is insensitive to parameter shifts from high power, environmental conditions, etc.

Subject: Re: Pi Speakers for HT use?
Posted by [newjerseybt](#) on Mon, 28 May 2001 21:11:03 GMT
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Hi Wayne!A trick we used to do with aircraft power supplies when x-formers were in close

proximity to sensitive circuitry, was to encase the transformer in mu metal. The metal looked like the galvanized steel used to construct old milk boxes (back in the 50s) and 1/32 of an inch thickness would make short work of the surrounding flux. I bet one sheet of this metal inside the speaker enclosure facing the TV would do the trick. The only drawback would be cost.

Sincerely, Bill