Subject: Does anyone know how to shield a speaker?
Posted by James W. Johnson on Tue, 21 Aug 2001 11:10:52 GMT
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My new 4 Pis are becoming a pain in the rear, I cannot get the drivers closer than 4' from my TV set without causing interference. Yesterday I brought the drivers to a local HT dealer and set them at various points around different RPTVs and was disappointed to find that they caused minor interference in them when placed closer than 2.5' or so.Plus I had plans for a center channel that used the same drivers and I would like to keep it near the top of an RPTV.I could go with an FPTV but feel with my budget and room conditions it will not be worth it.Does anyone know how I can shield these speaker cabinets?If not I am probably going to have to stop this project and move on to something else.

Subject: Re: Does anyone know how to shield a speaker?
Posted by James Herron on Tue, 21 Aug 2001 16:49:16 GMT
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I would suggest that you simply keep the speakers further than 4 feet from your TV set.

Subject: Re: Does anyone know how to shield a speaker?
Posted by Wayne Parham on Tue, 21 Aug 2001 16:53:52 GMT
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That's probably the easiest way, sure. Magnetic shielding could be installed inside the cabinets, but it would be heavy.

Subject: Re: Does anyone know how to shield a speaker?
Posted by James W. Johnson on Tue, 21 Aug 2001 21:41:32 GMT
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Oh well, I will look into wrapping the drivers in metal.thanks

Subject: Magnetic Shielding
Posted by Wayne Parham on Wed, 22 Aug 2001 03:05:56 GMT
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The discussion about magnetic interference was on your thread called "Pi Speakers for HT use." Notice the reply from "New Jersey Bill."

Subject: Re: Magnetic Shielding
Posted by James W. Johnson on Wed, 22 Aug 2001 11:15:53 GMT
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It is not worth the trouble to try and shield these speakers.MU metal with 100% coverage would be effective but very costly, bucking magnets will change the TS specs of the drivers a little bitand won't be all that effective considering the size of these magnetssteel is just too heavy and probably won't be that effective either.I am going to try and find an FPTV that will work for me, I have a very well lighted room so it will need some treatments and I need to find a projector that is fairly bright and within my budget.

Subject: Re: Magnetic Shielding
Posted by Wayne Parham on Wed, 22 Aug 2001 15:16:33 GMT
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I understand. I had hoped that the shielding material Bill spoke about might be a good solution for you. Please keep us posted about what you find. Your experience is useful to everyone else that walks your path.

Subject: Re: Does anyone know how to shield a speaker? YES!
Posted by newjerseybt on Sat, 25 Aug 2001 01:04:35 GMT
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There is a company which specializes in magnetic shielding whichwill provide you with several kits which you can experimentwith! There is plenty of math associated with magnetic shieldingbut the theoretical formula can never take the place of experimentation. So say the engineers at Magnetic Shield Corp.Kits run from $50 to $150. Magnetic Shield Corporation750 N. Thomas DriveBensenville, Illinois 60106Telephone: 630 766-7800FAX: 630 766-2813They are located on the WEB. Their site is very interesting andworth a visit! There is a detailed description of their kit whichlooks like it will work well with most speaker designs. Read theirFAQ in order to design the most effective shield housings.A second company involved in the same business is Advance

Magnetics.They also have a site on the WEB.Advance Magnetics625 Monroe StreetRochester, Indiana 46975Phone: 219 223-ADMUFAX: 219 223-2524GOOD LUCK!

Subject: Thanks
Posted by James W. Johnson on Tue, 28 Aug 2001 21:53:46 GMT
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Thanks for that info , that is the most promising stuff I have found to date as far as speaker shielding goes...however my 32" TV is going out the door as I have have just purchased an LCD front projector and I am now builing my new 75" screen.I am so excited to get it all hooked up.
