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Subject: Ground Loop Noise

Posted by [Zohanna](#) on Sun, 01 Oct 2017 23:49:00 GMT

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I was told that the hum I get from my speakers sometimes is probably ground loop distortion. I understand that it means when your ground is coming from two different sources and they conflict. Is that about right?

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Subject: Re: Ground Loop Noise

Posted by [Wayne Parham](#) on Mon, 02 Oct 2017 02:52:35 GMT

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Yes, that's right. Connect all equipment to the same wall socket. Also, if you have cable TV, antenna line matching transformers.

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Subject: Re: Ground Loop Noise

Posted by [gofar99](#) on Mon, 02 Oct 2017 21:59:06 GMT

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Hi to follow on with what Wayne said...I had a serious hum and noise problem when I attached the CATV cable to an FW tuner I was using. When I measured it the open circuit (measured with a high impedance meter) voltage was just over 30VAC. The current was small, but it really upset the ground. I ended up switching to an antenna.

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Subject: Re: Ground Loop Noise

Posted by [moss24](#) on Tue, 03 Oct 2017 13:03:03 GMT

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I've always known that a ground loop results when pieces of equipment are plugged into the AC at different locations, then connected together by signal cables that have a shielding connected to the ground. I think both Wayne and gofar have offered great solutions.

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Subject: Re: Ground Loop Noise

Posted by [GoldenOldie](#) on Thu, 05 Oct 2017 00:11:42 GMT

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This helps bunches guys. I knew that the occasional hum I get when I run a couple of my

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components had something to do with the ground. Now I can attack this problem and get it fixed once and for all. Thanks.

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