
Subject: Re: Number one mistake?

Posted by [gofar99](#) on Tue, 09 Apr 2024 02:04:22 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi, One thing that can help is that there are a number of PC programs that can identify peaks and nulls in a room and allow you to move the speakers and listening arrangements to minimize some of them. I use a vintage EXCEL spread sheet based one that seems to provide results that jive with my ears. Using any such program can be a daunting task as just a few inches in one direction of another can make a huge difference. It is also easy to fix one problem and create another. The process involves entering data and then seeing what the results are. Then change the placements and try again. In any case it is impossible to get everything perfect. As long as the peaks and nulls are relatively small the sound is generally fine. Another thing that can sometimes help is a digital signal processor that allows small frequency dependent changes in signal levels. That is ...for those of you who will permit some digits in your system. Most can measure your system with a calibrated mic and display the odd things for each channel. Then you enter changes to the DSP to reduce or enhance the individual peaks or nulls. It can drive you nuts. It can cause strange things. I tried one a while back on my main system (two ESLs and 2 huge subs with 4 amps). The DSP said it fixed some things that were annoying....but the sound was funky. Imaging was off. Clearly the fix was worse than the original problem.
