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Subject: Re: Size of the speakers

Posted by [Wayne Parham](#) on Sun, 29 Oct 2017 14:34:26 GMT

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There's no way to change the traits I describes since they are fundamental physics. But you can mitigate the problems in other ways. One example is to increase power for speakers with low efficiency. That's been a trend for decades. And it makes sense - If the speaker is 10dB less efficient, then drive it with 10x more power. But you do run into trouble at some point because inefficient speakers tend to run into compression at lower volume levels and lack dynamic range. They can only get so loud no matter how much power you throw at them. The reason for this is low-efficiency speakers turn more electrical energy into heat instead of motion and sound.

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