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Subject: Re: Custom home theater room

Posted by [Wayne Parham](#) on Mon, 26 Mar 2018 21:46:08 GMT

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Attics are usually filled with insulation and so are pretty good absorbers. So the attic isn't a problem by itself.

The problem overhead is "ceiling slap" - the surface reflection at high frequencies that creates a ringing sound. Clap your hands in a room and ceiling slap sounds like the ringing from tinnitus. Some rooms aren't too bad but some are terrible, especially those with gabled ceilings.

Directional speakers really help because so little HF sound is radiated upwards. If you don't have directional speakers, you can solve the problem with acoustic wedges.