Subject: Low ceiling
Posted by Cortney on Mon, 28 Nov 2016 09:11:56 GMT
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I have a quick question about room acoustics. Does the height of the ceiling affect the sound that much? If so how would it be different in a low ceiling room than a normal room?

Subject: Re: Low ceiling
Posted by Wayne Parham on Mon, 28 Nov 2016 17:00:57 GMT
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All room boundaries matter. The floor/ceiling mode is higher frequency than wall/wall because the distance is shorter, usually eight feet. The first vertical axial mode caused by an eight foot ceiling is 70Hz and the second one is 140Hz.

Subject: Re: Low ceiling
Posted by Cortney on Tue, 13 Dec 2016 10:05:10 GMT
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Thanks for the reply. I'm not sure that I completely understand your explanation, but at least it gives me a basis for where to start researching. Thanks again.

Subject: Re: Low ceiling
Posted by sawyer25 on Mon, 13 Feb 2017 11:46:21 GMT
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The height of the ceiling definitely has an effect and you should check for the nodes and reflections in a room. I have heard of people that use acoustic 'clouds' to get rid of refelctions.