
Subject: Re: Furniture influence on sound
Posted by [Wayne Parham](#) on Mon, 02 Apr 2018 20:01:05 GMT
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End tables beside the listeners don't reflect nearly as much to the listeners as a coffee table placed in front of them.

It's pretty easy to visualize the effect if you think of the incident of reflection and picture how much glare you'd have if the table were a mirror and the speakers were spotlights.

Picture that for a minute. Imagine that each main speaker was a bright light and that the coffee table had a mirror laying flat, face-up on the table's surface.

What you would see when facing the speakers (lights) was the coffee table (mirror) would be almost as bright as the mains (lights).

Just like the mirror creates a glaring reflection that's nearly as bright as the mains, the sound reflection from the coffee table is also very strong.

So you effectively have another sound source coming from the coffee table, and it is slightly delayed because the path from the speakers to the table to your ears is slightly longer than the direct path. The delay is actually the problem - The interaction causes comb filtering which adversely affects sound quality.