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Subject: Studio Furniture causes acoustic problems

Posted by [DC](#) on Mon, 01 May 2006 22:13:09 GMT

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Hi all,

Hey, I am finding this out the hard way. My mix of the live project is coming along nicely, except for all the acoustic anomalies I am discovering.

This is un-freaking believeable, but the analyzer proved it. What I found is that putting speakers on top of typical audio furniture causes \*huge\* frequency-response problems. No matter how you do it.

All these sort of things:

<http://www.omnirax.com>

<http://www.argosyconsole.com/>

[http://custom-consoles.com/recording\\_studio\\_furniture.php](http://custom-consoles.com/recording_studio_furniture.php)

Every one of them, cause huge increases in the low mids by acting as an extension of the front baffle of the speaker. Speaker freq. response is measured in anechoic chambers, so speakers are designed to be flat in that environment. When you put them on the top of a table or console, or even nearby to a table or console, you get a significant boost in low-mids (typically, but it depends on the size of the new baffle surface). In my case it results in an 8db boost at 100hz. !!!!

DAMN! How am I supposed to mix like this? So, I am off to find a very small desk that will just fit 2 C-16's with the computer KB underneath, and the speakers are going back on the heavy stands.

Why doesn't anyone offer studio furniture that deals with this?

More to come as I dig into this problem...

DC

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