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Subject: Re: Pi Studio One Tower

Posted by [tomlang](#) on Tue, 26 Jan 2021 22:28:16 GMT

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This is certainly the oldest thread I have ever brought back from the dead. It seemed appropriate though, as I went back through this forum and behold, found something very interesting to build.

I have attached a proposed dimensioned drawing of the One Pi 2.5 speaker. Assuming running the lower woofer only up to 200 Hz, I come up with a 1/4 wavelength of 16.875 inches, so I spaced the lower woofer up 16.5 inches from the floor and same spacing to the upper woofer. Does this seem reasonable? Is 200 Hz a good choice? If I went lower, say 150 Hz I could make the tower taller. But not knowing the tweeter crossover point I'm not sure if that is better.

This 3 cu ft box is tuned at 49 Hz,  $F_3=43$  Hz. That is not quite as low as the single woofer 2 cu ft box discussed above. That brings up a question as I have never listened to a 2.5 speaker before. Will the 2.5 seem like more apparent base as it fixes some floor bounce problems?

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### File Attachments

1) [1 pi dual tower.JPG](#), downloaded 222 times

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