

---

Subject: Re: Retrofitting Altec 612 cabinet for a 4pi build  
Posted by [Wayne Parham](#) on Fri, 12 Jul 2024 20:15:58 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

I wouldn't change the dimensions of the cabinet for these reasons (from the Pi Speakers FAQ):

Cabinet design, port placement and internal standing waves

Damping material placement

Altering Dimensions

I realize you are talking about reducing the internal volume by partitioning, but I did want to comment on the subject of larger cabinet volume, nonetheless. One can gain bass extension with a larger cabinet, provided internal standing waves in the midrange are mitigated. But what I suggest instead is to use flanking subs, which serve three purposes:

1. They provide bass extension
2. They provide baffle step mitigation
3. They provide mitigation of SBIR and higher-frequency room modes.

More on that:

Room modes, multisubs and flanking subs

Helper Woofer Location

Flanking Subs vs Helper Woofers

Benefits of Flanking Subs

---