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Subject: Re: four Pi and subs

Posted by [Wayne Parham](#) on Sun, 16 May 2021 14:16:26 GMT

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Compression driver changes sometimes need different R1/R2 values to match voltage sensitivity. The amplitude and polar response is set by the waveguide, which has much more influence than the driver.

The only things set by the driver are mass-rolloff - which sets the upper frequency limit - and breakup modes which must be well damped or they end up being deal-breakers. So basically, compression drivers act similarly provided they have adequate high-frequency response and don't have excessive breakup in the top octave.

As for subs, the reason we need clean output above 100Hz is for a specific application called flanking subs. That configuration blends the subs with the mains up to around 150Hz or so. It is done to smooth higher frequency room modes and SBIR from nearest boundaries. It is a type of multisub configuration, part of a complete multisub setup.

You might do some searches and read on the concepts of flanking subs and multisubs to learn more about their benefits.

Flanking subs and multisubs

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