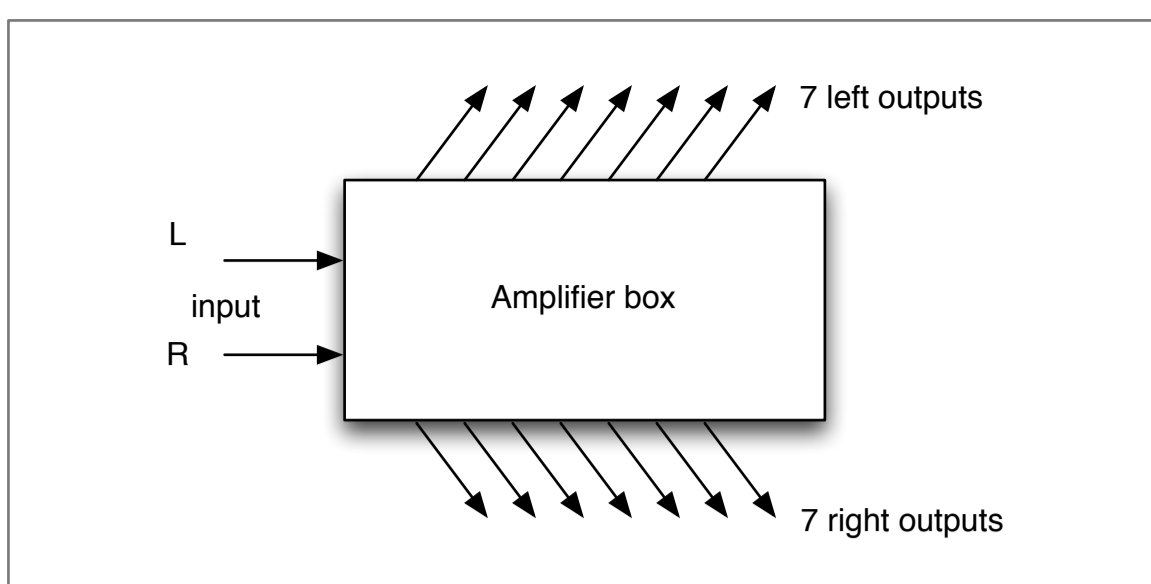


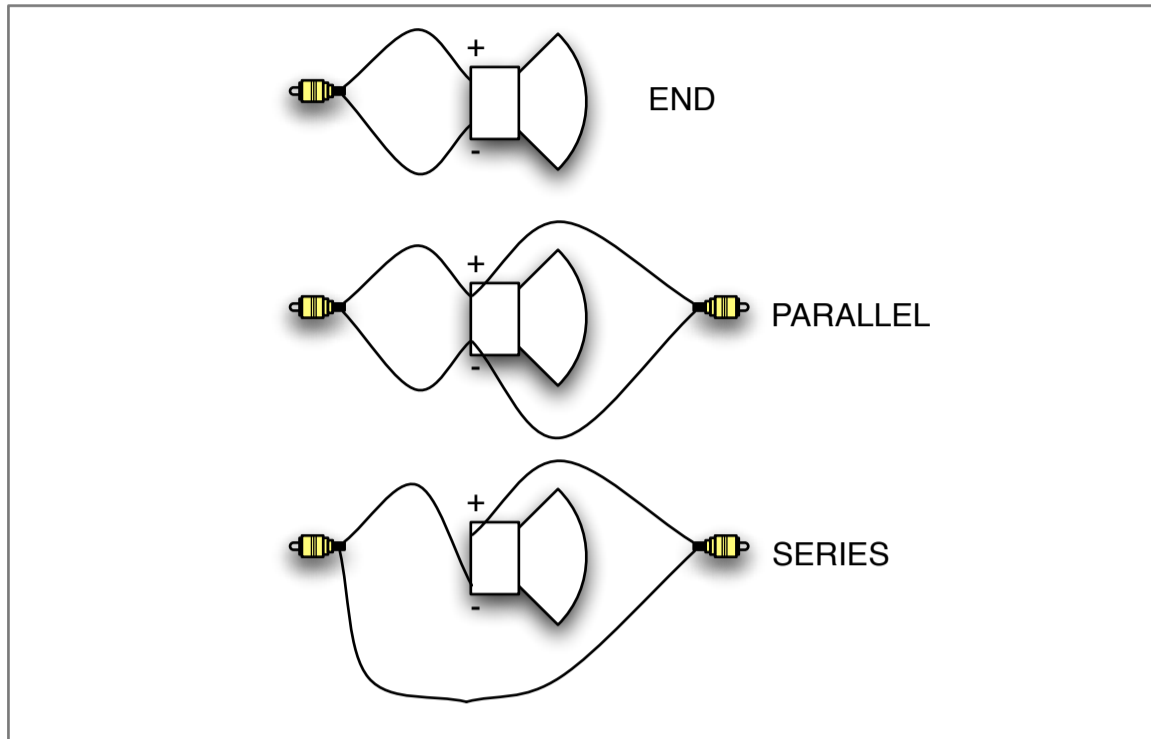
Tech note: Sonicity speaker connections

There are currently a total of 170 speakers, so that is about 12 speakers per output



Each amplifier will drive a minimum of a 4 ohm load impedance. The input to the amp. box is stereo so you could think of it as 7 left and 7 right channels in parallel. What ever combination you use make sure it is not less than 4ohms. All the speakers are 8 ohms except the 2 Vistaton types which are 50 ohm, so you can have many of those in parallel.

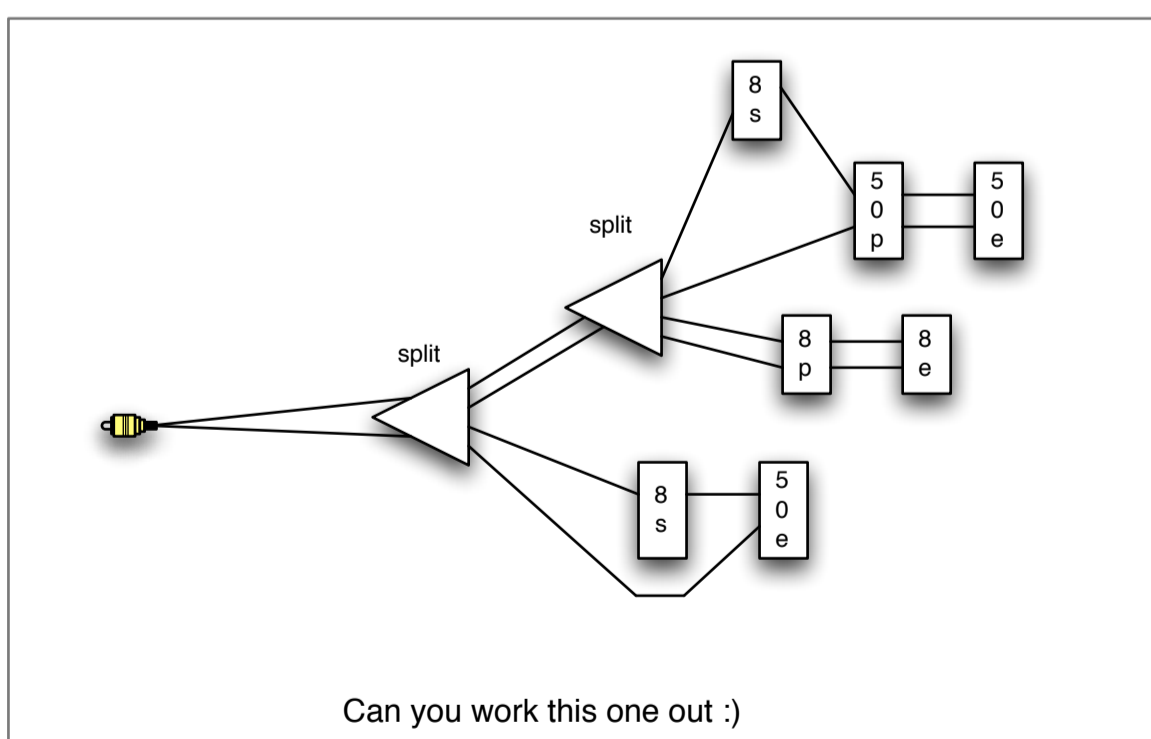
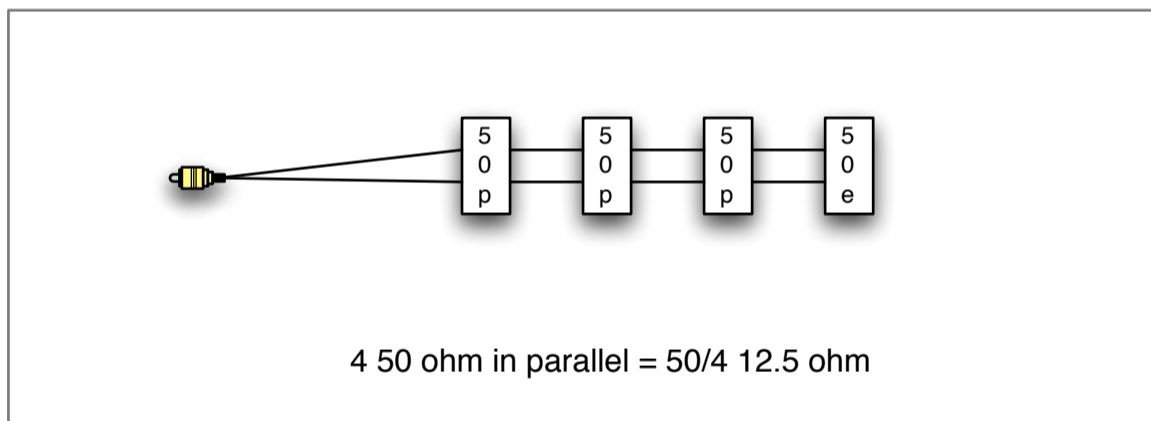
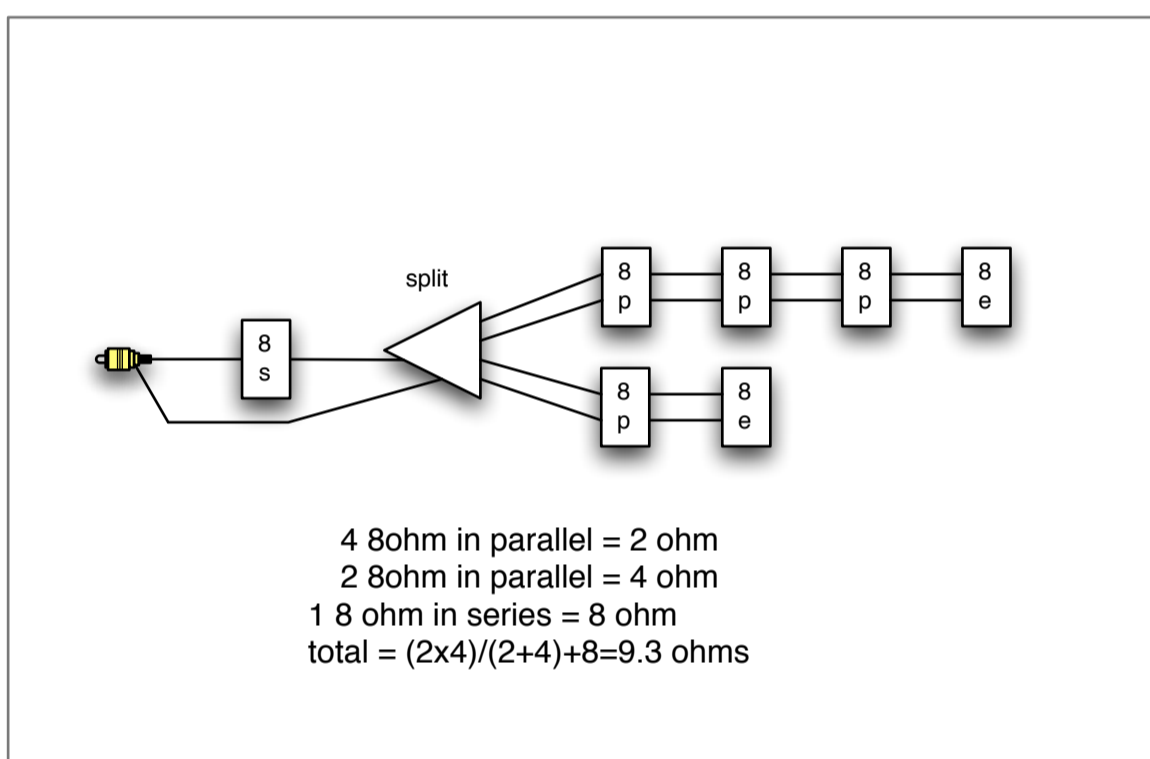
The speakers have 3 types of connections as shown below. Most of the speakers are wired as 'PARALLEL' but there are some of the other two types for each speaker type/size.



Connecting speakers in parallel reduces the impedance. I.E 2 8 ohm units in parallel will be 4 ohms, and 4 in parallel will be 2. In this last case, you could add an 8 ohm in series at the beginning of the speaker chain to bring the impedance up to 6 ohms in total.

The 'END' speaker is actually a parallel connection, but does not have a through lead like the 'PARALLEL' one. Its just an option for not having a lead dangling at the end of a chain if you want.

Some example configurations are shown below. there are some small jack splitters(parallel connection) included so you can 'tee' things off if needed.



SUMMARY

If you have many 8 ohm speakers in parallel then put a single 8 ohm series at the front so the impedance is not below 4 ohms.