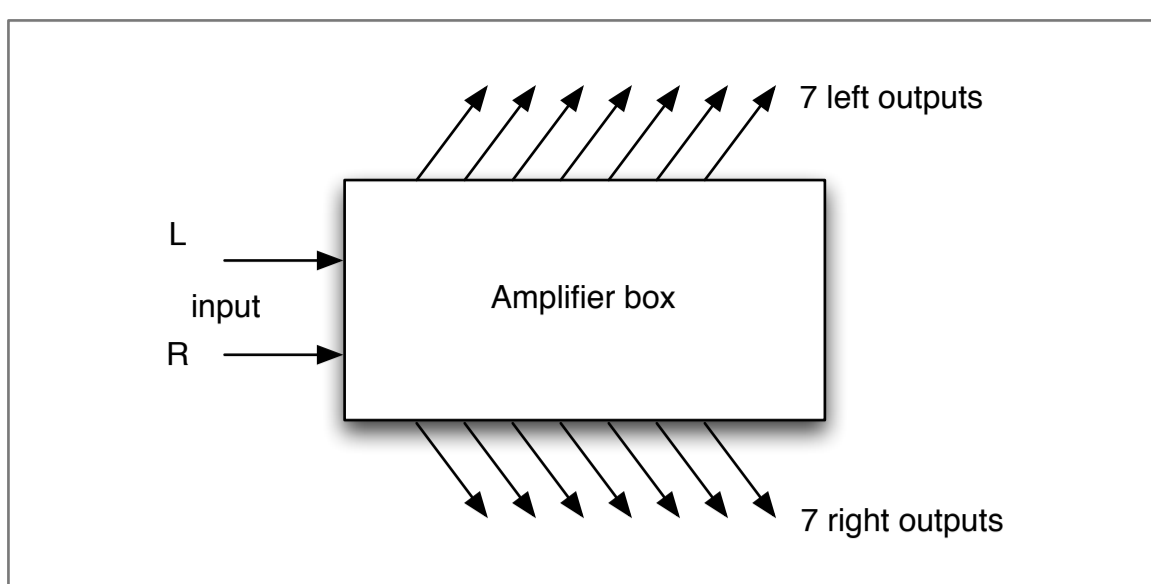


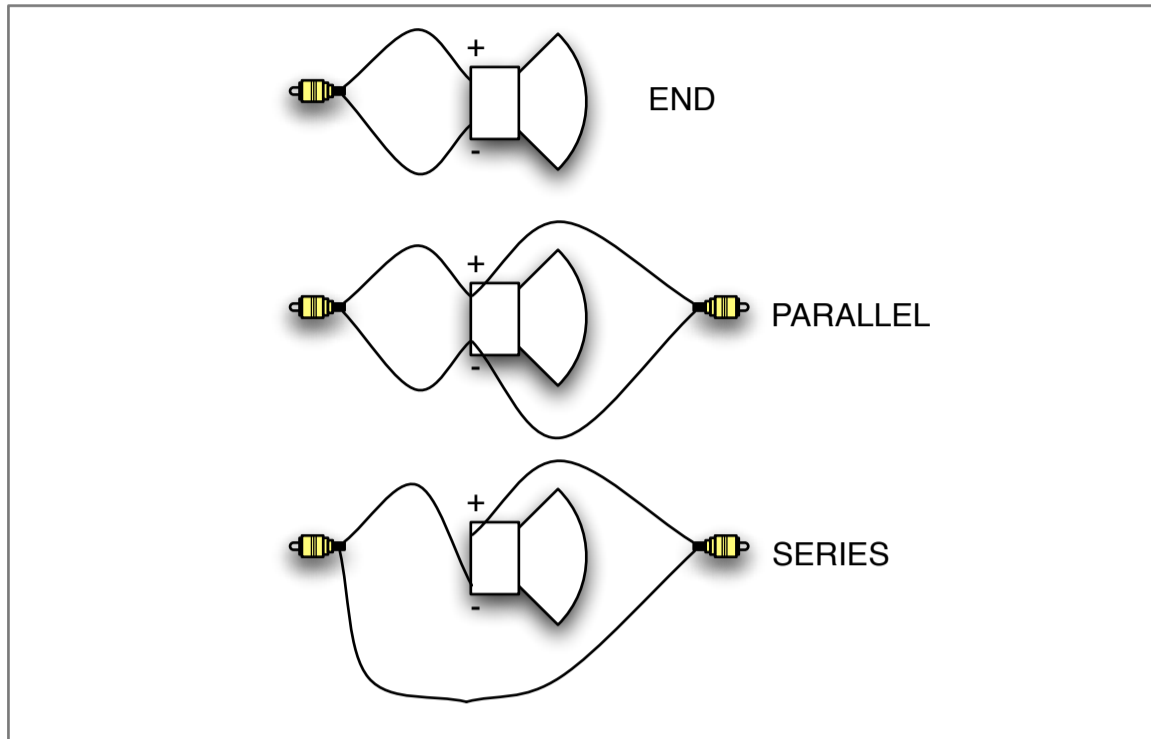
**Tech note: Sonicity speaker connections**

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.

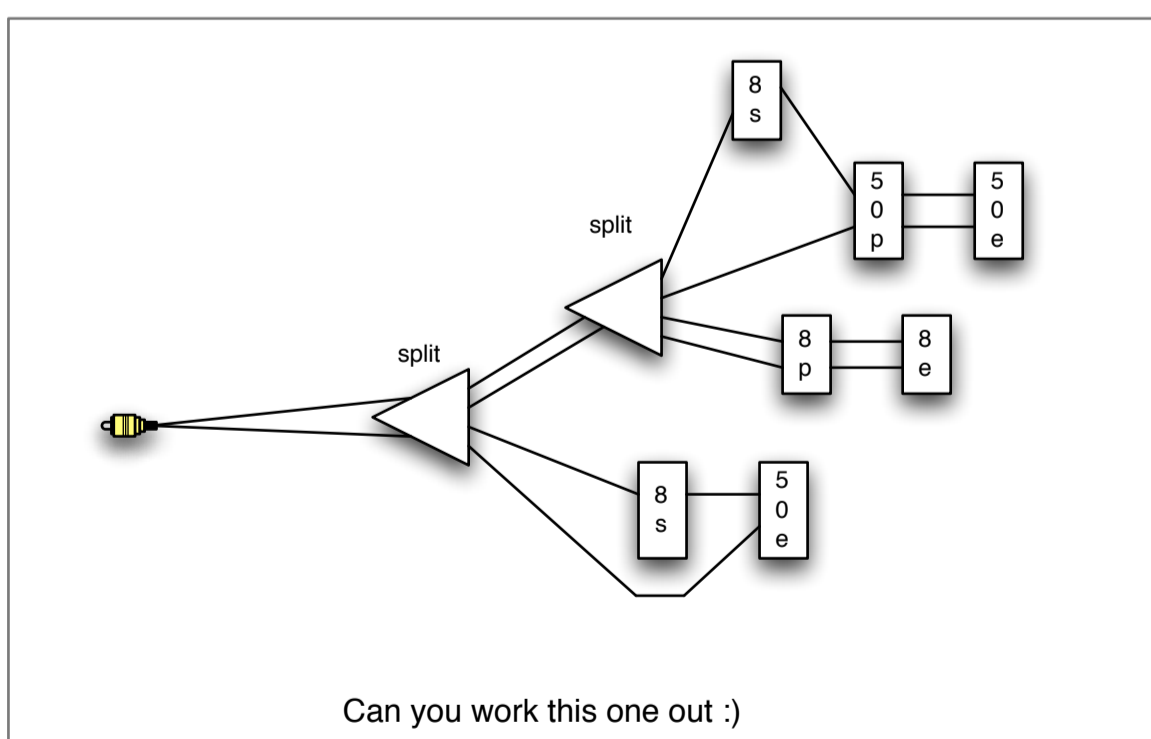
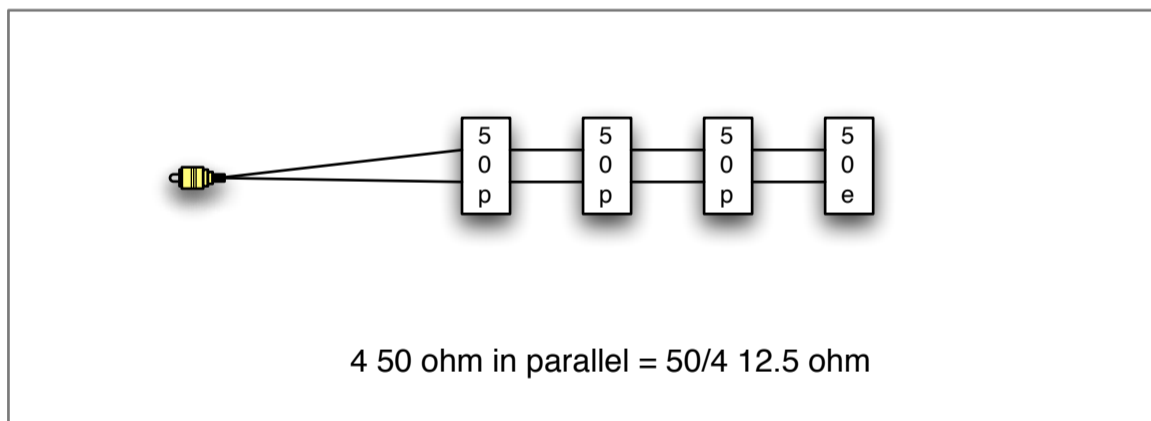
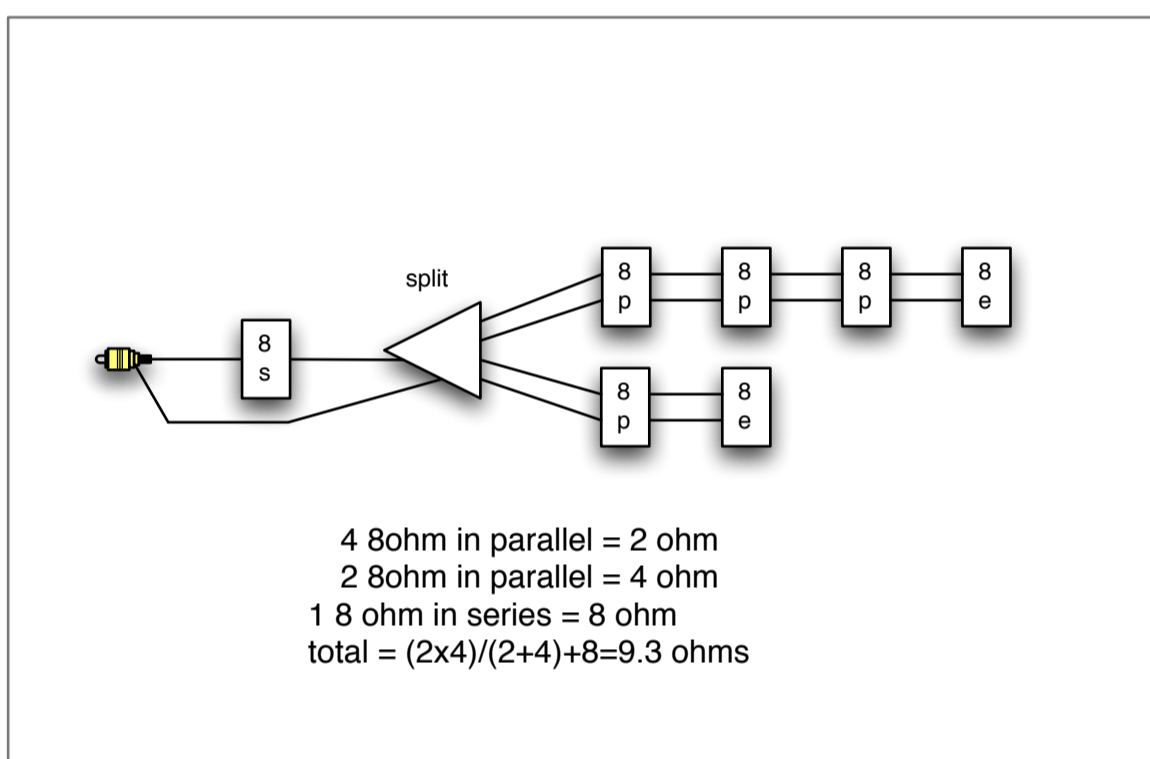
The speakers have 3 types of connections as shown below. Most of the speakers are wired as 'PARALLEL' but there are some of the other two types for each speaker type/size.



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.