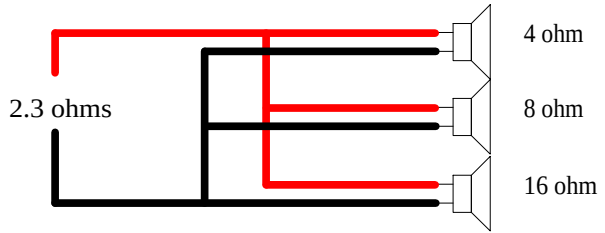
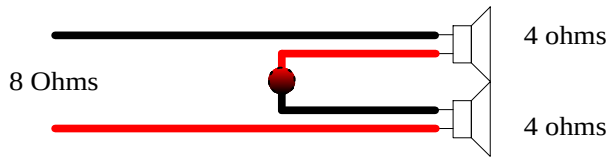
Speaker impedance in parallel

1\R1+ 1\ R2+1\ R3= 1\ RT
1\ 4 ohms +1\ 8 ohms +1\ 16 ohms = 1\RT
4\ 16 + 2\ 16 + 1\ 16 = 7\ 16 = 0.4375
1\ 0.4375 = 2.2857 RT = 2.3 ohms



Speaker impedance in series

R1+ R2= RT
4 ohms + 4 ohms = 8 ohms



Speaker impedance in series parallel

R1+ R2= RT
4 ohms + 4 ohms = 8 ohms
R1+ R2= RT
4 ohms + 4 ohms = 8 ohms

1\R1+ 1\ R2= 1\ RT
1\ 8 ohms +1\ 8 ohms = 1\RT
1\ 8 + 1\ 8 = 2\ 8 = 1\ 4 = 0.25
1\ 0.25 = 4 ohms