





Red : one cabinet 1w (2v 4 ohms) @ 1m 2Pi  
 Black : four cabinets 1w (1v 1 ohm) @ 1m 2Pi

#### About the design:

I've first designed a transmission line like this one here, end of the page:

<http://hornplans.free.fr/openmind.html>

Then a second transmission line, but I was not really happy with results, the same with tapped horn. So i've decided to use an hybrid horn to make a cabinet really usable, easily buildable, transportable, and very efficient. The design is near the MTB-246, (which is also my own design), but it is not a simple mod: it is a total redesign to adapt loudspeakers to a new cabinet (even if it looks the same). The dual subwoofer CF1840JD will go lower than MTB-246. The dual subwoofer CF1840JD can be used without kick bin and can compete with F218. You doubt it? Try it and see by yourself!. People in France really like this kind of Hybrid Horn design.

#### Notes:

This design is not a copy of SB1000 EAW: SB1000 has short horn and a reflex port into this horn (at start of the horn). Dual Subwoofer CF1840JD hasn't reflex port into horn, and not short horn, so nothing to do with SB1000.

This design is not a copy of B2 D&B. The B2 has a throat chamber and very short horn, so B2 is an Hybrid BPH (Band Pass Horn). Dual Subwoofer CF1840JD hasn't throat chamber. Loudspeakers distribute sound wave directly into the horn: it is an Hybrid Horn Reflex, so nothing to do with B2.

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