

Grounding Test

This test evaluates our grounding knowledge. The goal is the best desk ground wiring with the fewest ground loop problems. This includes RF, lightning, and audio in three separate answers for all unbalanced cables entering through the signal entrance panel or plate.

A second survey will throw in a balanced unshielded line assumed to connect to the antenna tuner, but to save complications this will not include lightning, although lightning is often the same as RF.

There may be more than one wiring solution. You have a choice of a single common point (CP) or a wide low impedance desk bus (B).

- 1.) thinner wide spaced dashed lines are signal wires
- 2.) solid lines are power lines
- 3.) heavy close spaced dashes and wide spaced heavy dots are legally mandated ground connection wires, you really cannot eliminate or move them but tell us if you would like to
- 4.) thin dashes are signal wires
- 5.) long thin dash is LV wire

How would you wire your desk grounds and why?

Would you use a common point, bus, or individual ground wires out of the desk?

Would you run individual wires to the entrance or mains grounds?

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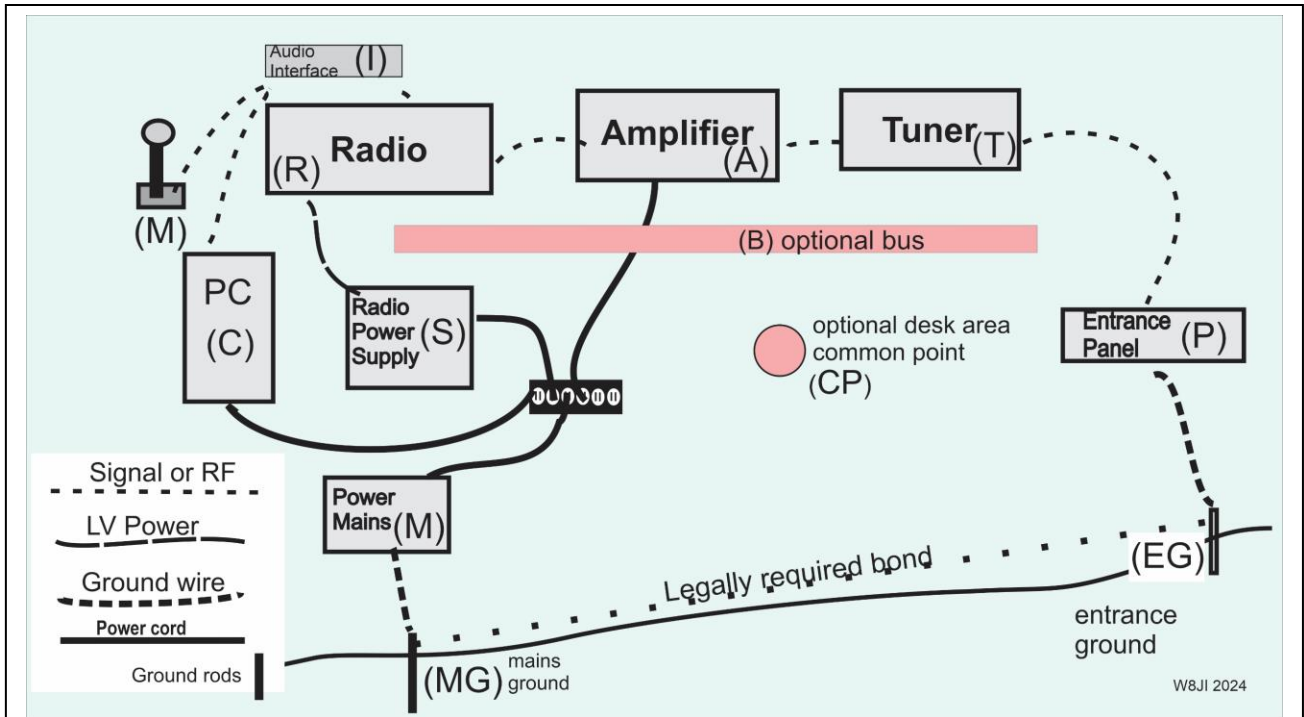


Figure 1

Refer to figure 1.

With a normal desk layout and a coaxial feedline or feedlines properly and legally entering a dwelling through an entrance plate at the entry point, choose the best equipment grounding connections to minimize ground loops:

C to _____ R to _____ S to _____ I to _____ A to _____ T to _____

In addition, if you can ground to the outlet strip safety ground, where should it tie?
