

Parts Costs: US\$15.00 per person

Production Requirements (IMPORTANT!)

I bring all of the specialized parts, for which the participants pay US\$15.00 per person. I expect the venue to provide some additional basic supplies, and the participants are expected to bring some materials as well.

Supplies to be brought by participants:

- 1) A portable, battery-powered radio, with appropriate batteries. Make sure it works! It should be cheap enough that you won't be too angry if it never works again. The AM band is more important than FM, but it doesn't matter if the radio picks up both. It should have analog tuning (i.e., a dial) rather than digital presets or scan buttons. Larger radios are easier to work with than tiny ones, and older ones always sound better than new ones. It should have a built-in speaker, not just a headphone jack. And most importantly: **IT MUST BE BATTERY POWERED!** Beware: an alarm clock radio with a built-in "backup battery" is not suitable, since it requires AC power to function as a radio.
- 2) One or more raw loudspeakers of any size (just the speaker, not enclosed in a cabinet/box).
- 3) Three nine-volt batteries.
- 4) Some small pieces of corroded or rough-surfaced scrap metal.
- 5) A soldering iron (lightweight, fine point).
- 6) Hand tools (diagonal cutters, wire strippers, a knife, etc.).

Venue should provide:

- 1) "Rosin-core" electrical solder
- 2) Electrical tape
- 3) Flashlight
- 4) Scissors
- 5) Utility knife
- 6) Roll 22awg solid wire, minimum 2 meters per student
- 7) Roll 22-24awg stranded wire, min. 2 meters per student
- 8) Small PA (mixer & speakers)
- 9) Video projection from my laptop
- 10) Whiteboard/blackboard/large paper pad
- 11) Internet access, via WiFi or Ethernet
- 12) Work tables and chairs
- 13) AC power distribution to each table, with power strips for soldering irons
- 14) Good lighting
- 15) Drinking water