

## Setting up ATTiny Environment in Arduino

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- Download Arduino IDE from <https://www.arduino.cc/en/Main/Software>
- Open Arduino, set up ATTinyCore as per SpenceKondes' instructions (<https://github.com/SpenceKonde/ATTinyCore/blob/master/Installation.md>)
  - a. In *File>Preferences>Additional Board Manager URLs* enter [http://drazzy.com/package\\_drazzy.com\\_index.json](http://drazzy.com/package_drazzy.com_index.json)
  - b. In *Tools>Boards>Board Manager* install ATTinyCore( universal )
- Clone <https://github.com/robojackets/electrical-training> or download **avrdude.conf** from <https://github.com/RoboJackets/electrical-training/tree/master/code>
- Replace Arduino **avrdude.conf** with version loaded from RoboJackets
- (Windows) C:/Program Files (x86)/Arduino/hardware/tools/avr/etc
- (Linux)  
/home/danbudanov/.arduino15/packages/arduino/tools/avrdude/6.3.0-arduino6/etc
- (Mac) Macintosh HD/Applications/Arduino.app/Contents/Java/hardware/tools/avr/etc
- Change board to ATTiny441 by going to *Tools>Board* and selecting ATTiny441/841 (No Bootloader)
- Install AVR Pocket Programmer drivers if on Windows  
[https://github.com/sparkfun/Pocket\\_AVR\\_Programmer/](https://github.com/sparkfun/Pocket_AVR_Programmer/)
  - Follow instructions on <https://learn.sparkfun.com/tutorials/pocket-avr-programmer-hookup-guide/installing-drivers>
- Set *Programmer* to USBtinyISP
- Include SoftwareWire.h library (sketch>include library>manage libraries)