

## Meeting Minutes 2/23/17

### Audio

- Automatically set device as output, overrun error needs fixing

### Battery

- Garrett found map where everything connects- also antenna chip found, hopefully gets more gain
- Need to solder some header pins on breadboard- don't need to do!
- Working on sparkfun code
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### Bluetooth

- Having trouble finding info on connecting bluetooth with NRF board
- Nordic software could help, schaffer-approved option
- Programming with arduinos- should be able to bring it up so it's paired
- Ideal- have a connection between raspberry pi and arduino/NRF; type command in to affect the NRF
- blinkLED function
- Use serial monitor to detect whats going on in NRF board
- Use print monitor, use diagnostic writes to find errors
- Print statements dont get past bluetooth serial write point
- Is bluetooth just sending a serial signal? Rather than sending a serial signal it could send a bluetooth message
- TX/RX wiring between two, not going through radio
- Talk to bluetooth module through microcontroller via serial message
- Nordic adapter connected to kitboard for senior design group from 4 years ago- look up!
- Look for something on raspberry pi to send a message

### TS Display

- Code that interfaces between display LCD and chip
- Pair of one shots (or something) modem signals (BTR) pulls pin 6 low, then gives reset pulse (not verified)
- Bad switches? Must be able to press 6 down then do reset- **put a jumper to tie it low?** Might have to remove it before program
- Bootloader!! Nordic has some sort of software to load bootloader

### Further Questions

- **Gui Stuff on Python**
  - Grouping is how it's indented- spacing important!
  - Straightforward programming language, interpreted not compiled?
  - ESP266 written in Python
- **Color Changing LED**
  - Hard to find- just use three independent LEDs. Schafer has some he can give the group
  - 0603, 0805 LED hard to deal with on a breadboard- email him!

**Word of the Day**

Caprophagus