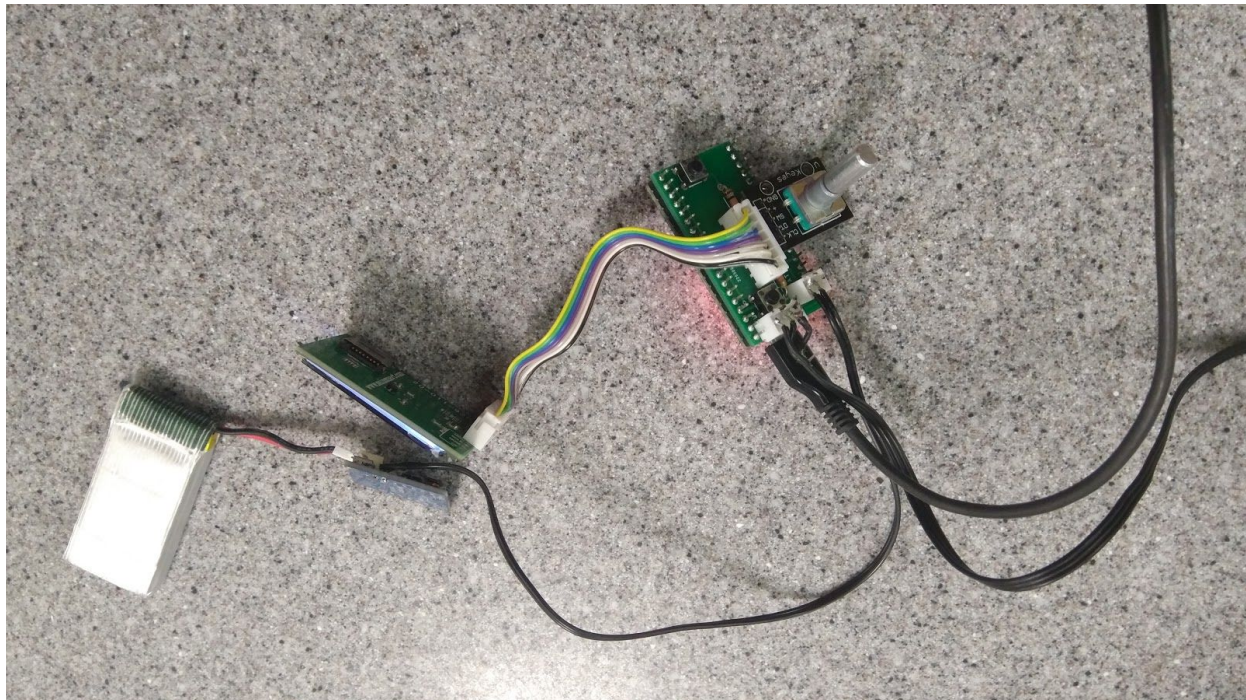

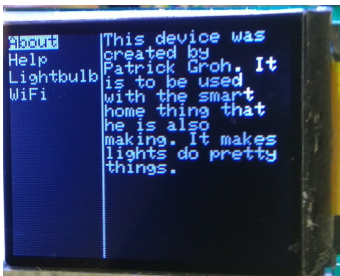

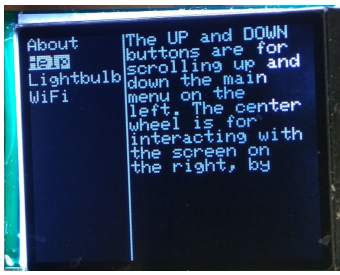


Function Proof of Concept

Functional “Breadboard”



Splash Screen	About Screen
	
Main function	Help Screen
	

Getting the visuals for the three images shown other than the main function were not very hard, as they only involved a little repetitive text printing or bitmap drawing. The main function, with the more dynamic color generation with the HSV picker gradients, caused a lot of troubles because of having to convert the HSV values to RGB 16 bit.

Software:

I have included the following libraries:

RotaryEncoder by Matthias Hertel

Adafruit GFX

TFT_eSPI by Bodmer

And the built in libraries:

SPI

EEPROM

Wifi

WifiMulti

HTTPClient

PCB Design

