Welcome to this repository! This repo contains the design files for a slim, portable cross-platform Bluetooth mechanical keyboard project based on the Kailh PG1350 slim mechanical switches. The keyboard utilises QMK firmware to drive the main keyboard controller.

**Current Repository Contents**

- Electronic schematic diagram. You can use this to design your own PCBs as you wish. There will be a PCB gerber file coming to this repository soon.
- Firmware for the keyboard in the form of a compiled hex file as well as the source code. The source code needs to be compiled using the QMK library. Instructions can be found in the documentation for QMK (https://docs.qmk.fm). Note that the code provided only works for the exact circuitry specified in the electronic schematic diagram, although you can
- Keyboard layout diagram.

**Current Features**

- 10-level white backlighting
- Bluetooth 4.0 Low Energy
- Low-Profile True Mechanical Switches
- Low Profile (Chiclet-style) Mechanical (black) Keycaps
- Matte black/Dark grey Anodised Aluminium Body
- Slim (22mm in height)
- 8000mAh Battery allows for portability
- Lightweight
- Reprogrammable PCB (programming pins are broken out)

**Technical Specifications**

- AT90USB1287 8-bit MCU @ 16MHz
- nRF51822 BLE SOC
- USB 2.0 Support through USB-C Port
- Kailh PG1350 Brown Switches
- Extended 60% layout
- Estimated Price: ~120$
- Estimated Weight:
- Compatible with MacOS, Windows and Linux

**Coming Soon (stay tuned)**

- Complete parts list (with links to components used) + Price Breakdown
- 3D render of design
- CAD file for keyboard chassis
- PCB gerber files
- More detailed instructions ☺

**Current Status:** PCB files under work. Similar components have been used to demonstrate the electronic schematic design in a *working* mock-up (proof of concept).