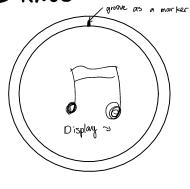
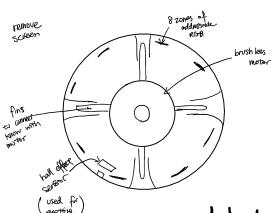


FOC haptic knob.

- _ Hello World keyboard.
- superknob
- look into UR glaves.

The knob



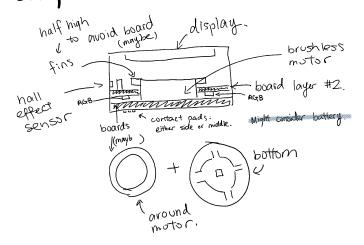


Necessary Components.

- driver for brushless mtd.

- wifi /bluetooth/Usb - strain gauge ADC BF 350-3AA - screen adapter

- conside LVGL Components in knob.



Note:

- Esp32 have touch GP10 ports
- another possible approach is to use it as universal knob for all appliances. used pins to determine device
- look into freektos
- consider using oLED scien
- using bothay t boost anvertes

- Start with the bottom PCB and see if everything can fit in.

the attach ments!

Technical Detail

- use a latch to control the RGB LEDs
- use another to control which latch to control
- resistors are used to limit the voltage going into RGB (0.7v)
- low-frequency circuit (<1GHz)
- one bus for LED and other devices
- one I2C bus

- STM32 should be powerful enough use simulation to test first