DIY SABER

TODO:

Step up voltage? **TPS6120x**

Architecture

Diagram, schematic

Description automatically generated

A picture containing text, person, indoor, hand

Description automatically generated

Obsidian soundboard

18650 Lion battery (UNPROTETED) 18mm

Arduino nano

length of 45 mm and a width of 18 mm

~25mm clearance in poly carbonate tube

https://efcomputer.net.au/blog/light-saber-build-part-1/s

Core Features

Latch clash

Flash on clash

Tip drag

Ignition and Retraction Scrolling

* Ignition has a shadow/ less bright color leading at the tip
* Duration variable
* Retraction has the tip flashing bright purple

Smooth swing

https://www.reddit.com/r/lightsabers/comments/gkuss0/the\_responsiveness\_on\_this\_makes\_it\_feel\_like\_a/

* Gyroscope

Shimmer

* “breathes” on and off slightly

Color change button

Remember last color

Custom sound fonts

Shoto by Madcow on Saberfonts.com

Bright swing

* Slightly brighter during a swing
* https://www.reddit.com/r/lightsabers/comments/t5ublu/i\_love\_this\_effect\_called\_bright\_swing\_on\_my\_new/

Stab detection