

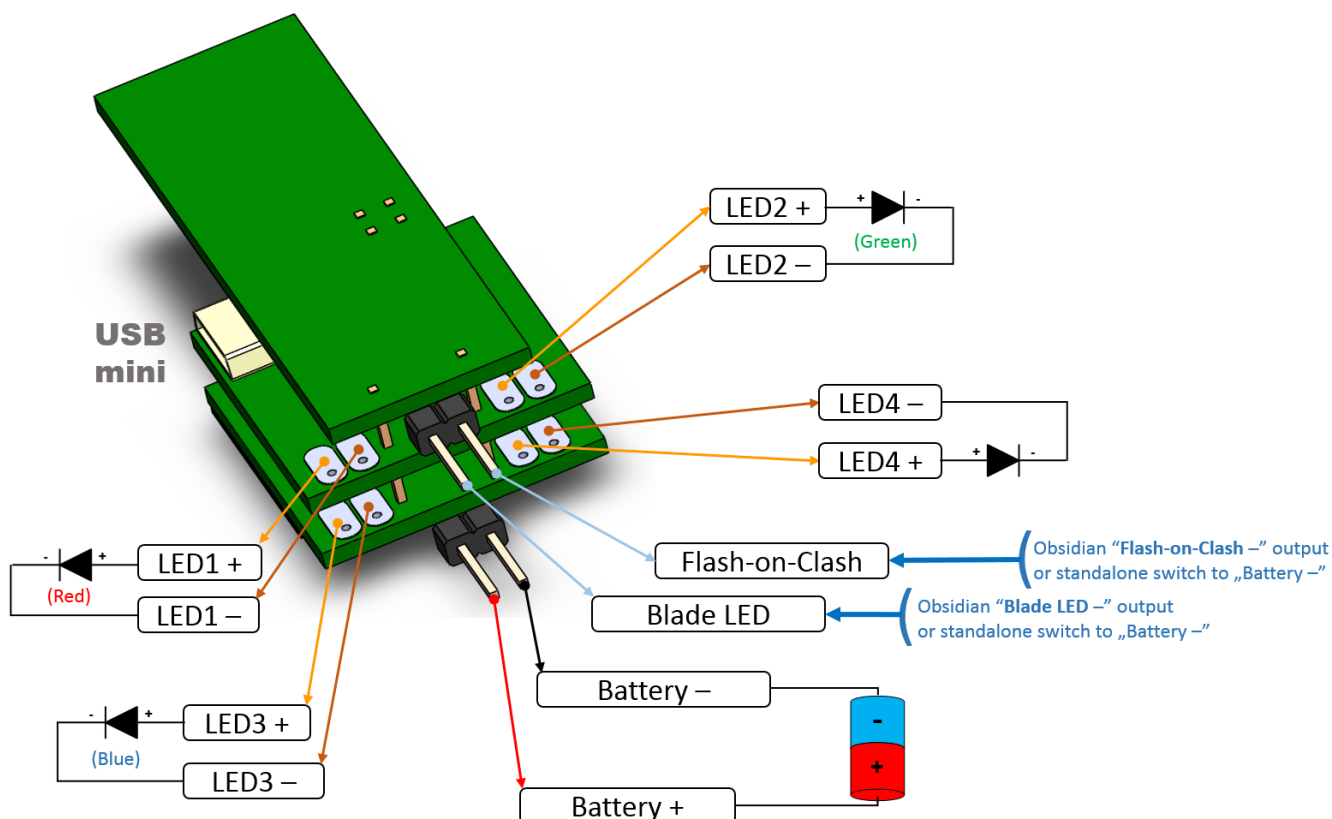


# Emerald LED Driver

- ✓ Continuous current LED driver
- ✓ 4-channel color mixer
- ✓ Idle and Clash pulses
- ✓ USB Interface

Rev. 1.2 / 2017-02-28

## Wiring diagram



## Functional specifications

- Fully configurable through Ultrasabers Launcher software (Windows & MAC)
- 8 bit light intensity control on each channel, generating more than 16 million colors
- Idle pulse triggered by "Blade LED" input
- Clash / Lockup pulse triggered by "Flash-on-Crash" input
- 0.02 sec. resolution on pulse definition
- Pulse duration up to 500 sec.
- Pulse repetition up to 99 times
- Standalone operation with mechanical switches
- Paired operation with Obsidian USB & Lite

## Electrical specifications

- Operating voltage: 5 – 9 Vdc
- Recommended battery setup: 2 x Li-Ion (3.7V)
- LED current: 0.004 – 1 A / channel
- Total LED current: maximum 4 A
- LED voltage: 2 – 5 V
- Standby current: 2.5 mA

**Note:** Before connecting the LEDs to the Emerald board, please configure the LED type using the Ultrasabers Launcher.

