

# User Manual

## MANAZ MotorLEDMicro – RGB

### Connections

MANAZ MotorLEDMicro - RGB are designed to be directly connected to the main battery. An additional BEC or any other constant voltage source is not required. You can connect any voltage between 3.3 and 17 volts to the leds e.g. 2 – 4S LiPo batteries.

**CAUTION:** The leds can get hot while in use. You should not use the leds longer than 2 minutes without continuous airflow.

The colors of the leds are easily changeable via three solder jumpers, combinations of the colors (red, green and blue) are possible.

### Mounting

The MANAZ MotorLEDs should be mounted below the motors on the bottom side of the frame. Therefor remove the screws that keep the motor in place, stick them through the holes of the led module and screw them back into the motor.

We advise you to cover the backside of the leds with isolating tape to avoid shorting with the frame.

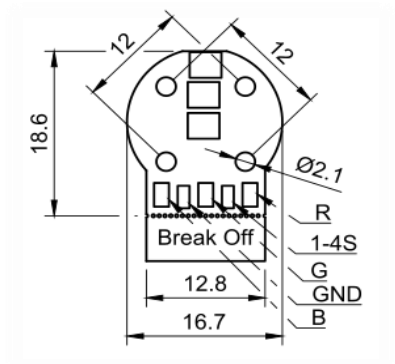
The part of the pcb on which the pad descriptions are written can be broken off to reduce weight.

Power requirement (Color: White) 150mA per Module

Soldering temperature (max.) 300°C

Soldering duration per pad (max.) 3s

**ATTENTION:** New leds from the factory do not have a color preset. To get them working you have to set at least one solder jumper by shorting the two pads with tin.



### EG – Declaration of Conformity

MANAZ hereby declares that the MANAZ MotorLEDMicro – RGB (MLEDMRGB) fulfil all requirements to conform with EU-Regulation 765/2008. A copy of the declaration of conformity is available on request.

MANAZ GmbH  
Mittlere Wende 30  
33739 Bielefeld  
Germany  
ce@manaz.de