User Manual

MANAZ MotorLED - RGB

Connections

MANAZ MotorLED - 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 8 and 40 volts to the leds. The leds dynamically adjust to varying input voltages to deliver constant brightness over the full voltage range and during discharge of the main battery while flying.

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

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

Mounting

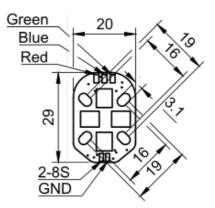
The MANAZ MotorLEDs should be mounted below the motors on the bottom side of the frame. Therefore, remove the screws that keep the motor in place, stick them through the holes of the led module and screw them back into the motor.

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

Power requirement (Color: White) 180mA 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 solder.



EG - Declaration of Conformity

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

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