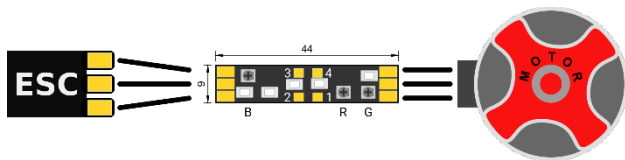# User Manual
MANAZ ArmLED – R-Wire ULTRA

Electrical Connections

MANAZ ArmLED – R-Wire ULTRA are connected in between the ESC and the motor. They thereby connect the esc to the motor and simultaneously power the LEDs mounted on the board.

The ArmLED R-Wire ULTRA are equipped with a total of six high power, industrial grade, RGB LEDs. The color of the LEDs can be changed with the three rotary knob; therefore, it is advised to use a small screwdriver. Mixing of colors is possible, do not try to adjust the brightness of the LEDs by keeping the knobs in an intermediate position.

Variant	Pad Top (with ESC connection)	Pad Bottom
1	1	3
1	2	1
2	2	3
2	3	1
3	1	3
3	4	1

To connect two R-Wire ULTRA LEDs only two connections between them are necessary, possible combinations are listed in the table.

Assembly

MANAZ ArmLED R-Wire can be attached to the frame or any other surface using the double sided tape included in this kit. After that the wires of the motors and the ESCs are soldered to the RaceWire PCB as shown in the picture above.

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 color by turning one of the rotary knobs.

EG – Declaration of Conformity

MANAZ hereby declares that the MANAZ ArmLED – R-Wire ULTRA (ALRWU) fulfill all requirements to conform with EU-Regulation 765/2008. A copy of the declaration of conformity is available on request.