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TECH CORNER

Wiring the WestRock ESC & KC Racing BLDC

Rev B

The WestRock ESC is designed with wiring pads on both ends of the ESC. The wiring pads to the guide are on one end and pads for connections to the motor on the opposite end.

The guide wiring pads are marked + and – for the appropriate connections to the guide. A minimum of 20 gauge wire should be used for these connections.

IMPORTANT

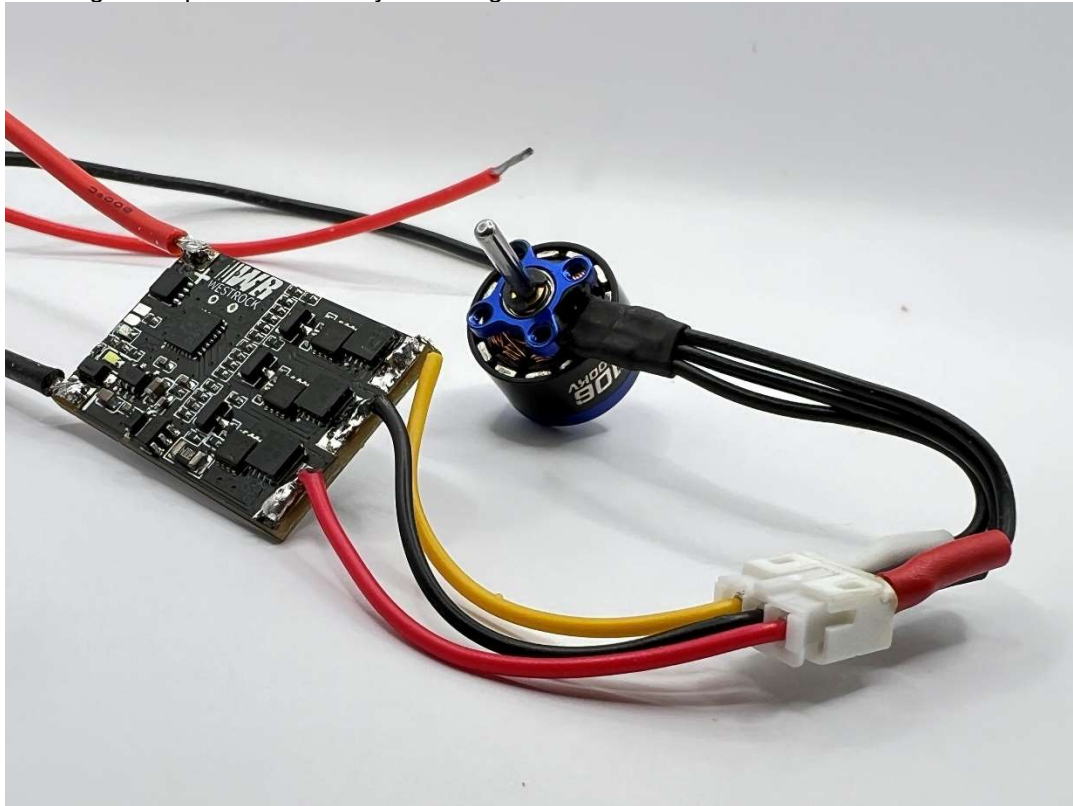
Tin the wire ends and solder pads on the ESC before soldering the wires to the ESC
Apply minimum heat that is necessary when soldering as board damage can occur
Make sure your solder connections do not bridge to the IC's on the ESC

You can wire the motor directly to the ESC. However, if you use colored wiring and a connector it will allow for quick motor changes of a motor fitted with a different pinion or a motor of a different KV rating.

The brushless motor requires three connections. As shown in the photo place the motor with the pinion (mounting) side up. Follow the wires as shown in the photo.

First, connect the center wire from the motor bundle to the center solder pad on the ESC (See the black wire on the ESC).

Following the wiring in the photo connect by soldering the outer wires from the ESC.



If your motor rotates backwards switch the connections you made of the outer wires. If you carefully follow the wiring in the photo you will have the correct rotation.

Now Get out... Go racing... and most of all enjoy!