

FAQ for Brushless ESC for Car

Trouble	Possible Reason	Action
Motor and fan don't work, LED is off after powering up the ESC.	No power	Check the power connection to make sure whether it is ok or not, and re-solder it
	The ESC's Switch is poor	Replace the ESC Switch
When connecting with the sensorless motor , it doesn` t work and the Orange LED is on solid after powering up ESC	The signal wire of ESC has a wrong order or is plugged into a wrong throttle channel	Connect the signal wire of ESC to the throttle channel of Receiver correctly
	The ESC throttle calibration has not set up	Set up the ESC throttle calibration by user manual
When connecting with the senored motor, it doesn` t work and the Red and Orange LED are both on solid after powering up ESC	The signal wire of ESC has a wrong order or is plugged into a wrong throttle channel	Connect the signal wire of ESC to the throttle channel of Receiver correctly
	The ESC throttle calibration has not set up	Set up the ESC throttle calibration by user manual
	Wrong cables polarity between the ESC and the motor	Connect the wire A,B,C of ESC with the wire A,B,C of motor respectively
	The sensor wire or connection is abnormal	Re-connect the sensor wire correctly or replace a sensor wire
Motor runs in reverse rotation	Wrong cables polarity between the ESC and the motor	When using sensored motor, swap any two of the three cable conections or set the "motor rotation" to "Normal" by program card
		When using sensored motor, set the "motor rotation" to "Normal" by Program Card or ZTW PC software
Motor suddenly block or stop when pulling the throttle trigger quickly after running the motor	The discharge ability of battery is not enough	Replace it with a battery which has a strongger discharge ability
	The rpm of motor is too high; the gear ratio you configured is too small	Replace a lower rpm`s motor or enlarge the gear ratio
	The initial acceleration of ESC is too fast	Set the "initial acceleration" to "Low" or "Medium " by Program Card
	The ESC throttle calibration has not set up	Set up the ESC throttle calibration
Motor suddenly stop running in working status.	Lost throttle signal	Check if the operation of Receiver is correct or not, make sure the distance between ESC and Receiver is enough for avoiding the electromagnetic interference
	The ESC enters the Low Voltage Protection Mode or Over-heat Protection Mode	Replace a battery pack and put ESC in the ventilated position