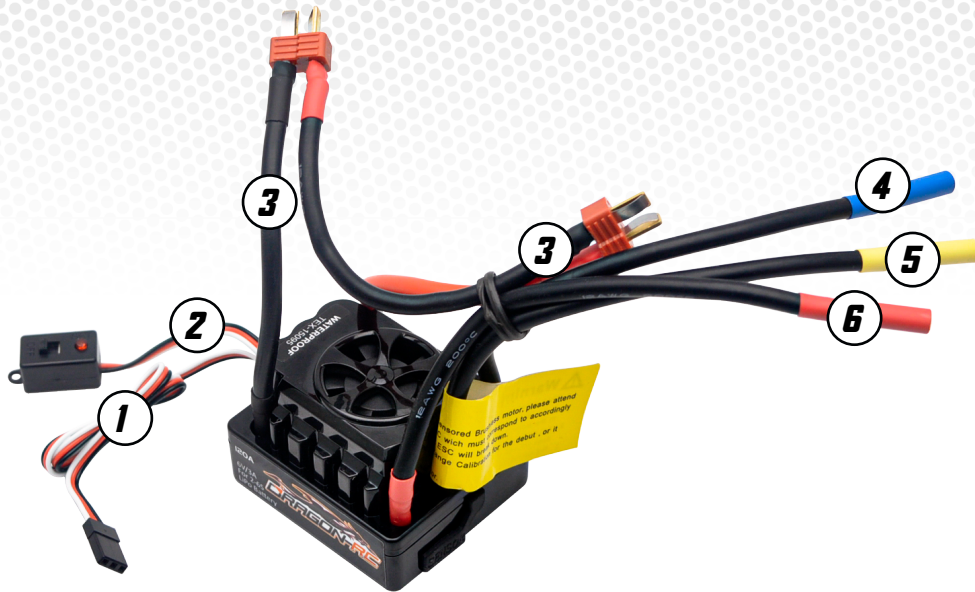




## SPEED CONTROLLER DS-8 120A WP MANUAL #211018



1 -Signal wire  
2 -Switch wire

3 -Power wires  
4 -Blue motor wire A

5 -Yellow motor wire B  
6 -Orange motor wire C

### Sensored Mode

When using a Sensored Brushless motor, the Blue motor wire A, Yellow motor wire B and Orange motor wire C of the ESC must be connected with the Sensored motor wire A,B,C respectively. It is necessary to connect the Sensor wire to the "Sensor" socket on the ESC. Don't change the wires sequence optionally.

### Sensorless Mode

When using a Sensoreless Brushless motor, the Blue motor wire A , Yellow motor wire B and Orange motor wire C of the ESC can be connected with the motor wires freely. If the motor runs in the opposite direction, please swap any two wire connections.

### Connection to the Receiver

Black wire RX  
Red wire RX+6.0V  
White wire RX-Signal

### LED Indication

\* When ESC are connected with the battery pack, the ESC can automatically identify the motor type via indicated LEDs.

| Funtion                              | Red     | LED Status |
|--------------------------------------|---------|------------|
| Low voltage of the battery           | Red LED | Blinking   |
| Over-heat of the ESC and motor(95°C) | Red LED | Blinking   |
| Sensorless motor                     | Red LED | ON         |

### Throttle Range Calibration

1. Turn on the transmitter, then connect ESC with the battery packs and set the direction of the throttle channel to REV; set the EPA/ATV value of the throttle channel to 100%.
2. Press and hold the "Set" button and switch on the ESC, release the button when the Blue LED turn solid. Pull the throttle trigger to full position, Red LED light will flashes and motor beeps once. when system confirms the position.
3. Push the throttle trigger to full Brake position, Blue LED light will flashes and motor beeps twice when system confirms the position.
4. Now trigger goes back to neutral position, both of the Red LED and Blue LED blink and motor beeps three times when system confirms the position.
5. Turn off the ESC power switch to save the settings.
6. Turn the ESC back on. You are ready to use the ESC now.

### PROGRAM CARD DX SERIES #211011



\* The program card is optional and sold separately.