



Congratulations and thanks for purchasing HOBBYWING electronic speed controller (ESC). The brushless power system for RC model can be very powerful and dangerous, so please read this manual carefully...

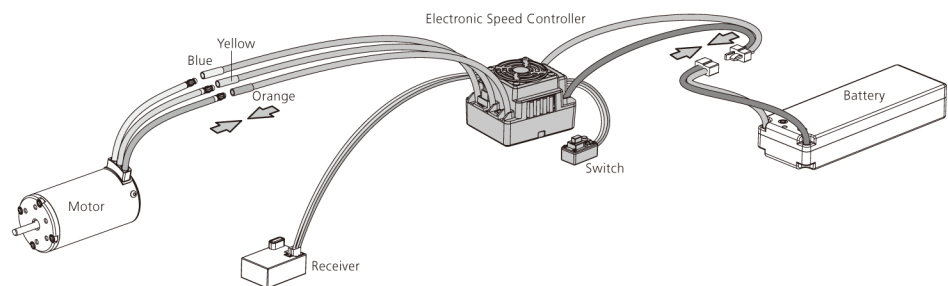
USER MANUAL QUICRUN Brushless Electronic Speed Controller 16BL30 • 10BL60 • 8BL150

01 Features

- Water-proof and dust-proof for all-weather races; External programming port, easy to connect to the Program Card when setting the ESC; Proportional brake with 4 steps of maximum brake force adjustment and 8 steps of drag brake force adjustment; 9 steps of acceleration(punch) adjustment from "soft" to "Very aggressive" to fit for different kinds of models, tires and tracks;

02 Begin to Use a New Brushless ESC

1 Connections



This brushless system is powerful and dangerous, for the safety of your own and those people around you, please turn on the ESC while keeping all the wheels in the air.

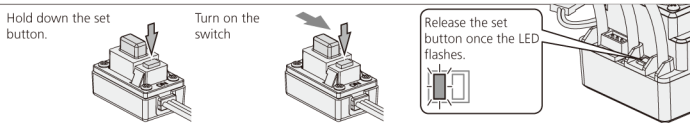
Specifications

Table with 4 columns: Model, QuicRun-WP-16BL30, QuicRun-WP-10BL60, QuicRun-WP-8BL150. Rows include Continuous Current/Peak Current, Motor Type Supported, Car Applicable, Motor Limit, Battery, BEC Output, Dimensions/Weight, External Program Port, Working voltage of Fan.

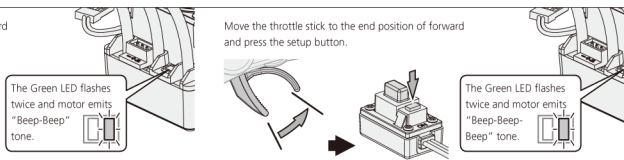
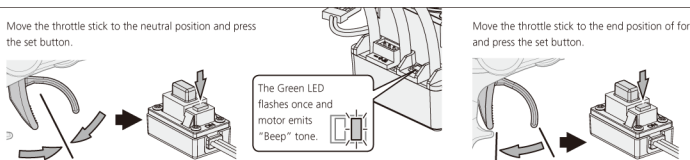
2 Set up Throttle Range



In order to make sure the ESC fits the throttle range of your transmitter, you must calibrate it when begin to use a new ESC, or a used transmitter if some of its settings have been changed, like the Throttle Trim, D/R, EPA or other parameters.



1. Turn on the transmitter, and set parameters (of the throttle channel) like "D/R", "EPA", "ATL" to 100%... 2. Hold the SET button while sliding the switch to the ON position, and then release the "SET" button...



Set the 3 points according to pictures: The neutral point, The end point of the forward direction, The end point of the backward/brake direction.

3 Check the LED Status in Normal Running

- a) When the throttle stick is in the neutral range, neither the Red LED nor the Green LED lights up; b) When the car moves forward, the Red LED solidly lights; the Green LED also lights up when the throttle stick is at the top position (100% throttle);

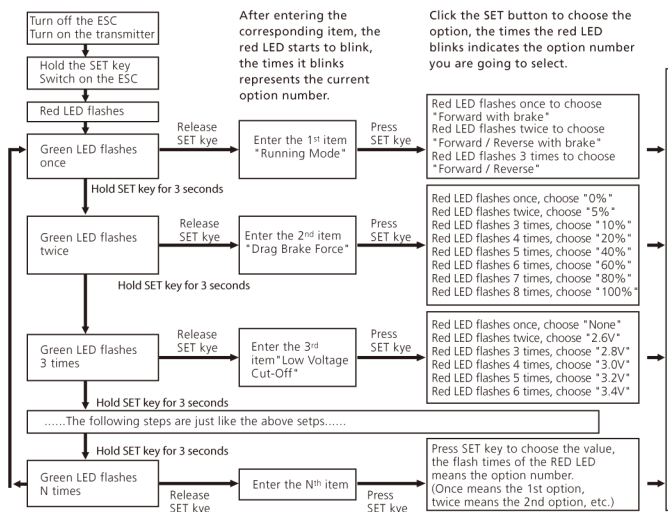


Explanation for the Beep Sound

In normal case, when the ESC is switched on, the motor will emit several "Beep" tones to express the cell count of the battery pack. For example, "Beep-Beep-" means 2S LiPo, "Beep-Beep-Beep-" means 3S LiPo, "Beep-Beep-Beep-Beep-" means 4S LiPo.

03 Program the ESC

1 Program the ESC with the SET Button



- In the programming process, the motor will emit "Beep" tone while the LED is flashing; If the "N" is bigger than the number "5", we use a long time flash and long "Beep—" tone to represent "5";

2 Set the ESC by the Program Card

The Program Card is optional equipment which needs to be purchased separately. It has 3 digital LEDs to display the programmable items' number and the options' number.



The QuicRun-WP10BL60 and QuicRun-WP8BL150 can only be connected to the program card via the external programming port.

04 Reset All Items to Default Values

At any time when the throttle is located in neutral zone (except in the throttle calibration or parameters program process), press and hold the "SET" key for over 3 seconds, the red LED and green LED will flash simultaneously...

05 Programmable Items

- 1. Running Mode: With "Forward with Brake" mode, the car can go forward and brake, but cannot go backward; 2. Drag Brake Force: Set the amount of drag brake applied at neutral throttle to simulate the slight braking effect of a neutral brushed motor while coasting;

Form 1: Parameter List of QuicRun-WP16BL30 and QuicRun-WP10BL60: (Italics in the form below indicate factory defaults)

Table with 10 columns (Option 1-10) and 9 rows of programmable items including Running Mode, Drag Brake Force, Low Voltage Cutoff, Start Mode, Max. Brake Force, Max. Reverse Force, Initial Brake Force, Throttle Range, and Timing.

Form 2: Parameter List of QuicRun-WP-8BL150 (Italics in the form below indicate factory defaults)

Table with 10 columns (Option 1-10) and 12 rows of programmable items including Running Mode, Drag Brake Force, Low Voltage Cutoff, Start Mode, Max. Brake Force, Max. Reverse Force, Initial Brake Force, Throttle Range, Timing, Overheat Protection, Motor Rotation, and Cell Count.

Note 1: Fwd=Forward, Rev=Reverse, Brk=Brake Note 2: When set to the "Auto-identification" mode, the battery pack can only be identified as 2S, 4S and 6S LiPo. Because the normal voltage of each LiPo cell varies from 2.6V to 4.2V, it's not easy to correctly calculate the cell count of a discharged LiPo battery pack.

06 Trouble Shooting

Table with 3 columns: Trouble(s), Possible Causes, and Solution(s). Troubles include no LED lights up, motor doesn't work, car runs backwards, car suddenly slows down, motor stutters, and vehicle can't reverse.