Congratulations and thanks for purchasing HOBBYWING electronic speed controller (ESC). The brushless power system for RC model car can be very powerful and dangerous, so please read the manual carefully. Since we have to control the motor, suspension, battery, operation, maintenance of this product, in no case shall we be liable for any damages, losses, losses. Besides, we have the rights to change the design, appearance, functions and operational requirements without any notifications.

**USER MANUAL QUIRCUN 160BL-100BL**

**01 Features**

- Motor-proof and dust-proof for all weather seasons.
- Please proceed with the cooling fast button using this ESC in cooler. Clean and it up 6 hours after the use for avoiding the connector get rusty.
- Automatic power-off in the Program ESC when setting the ESC.
- Regulated power with a step of financed better then 600 us. at 530 us. down braking force adjustment, form is “aggressive” to “soft” for different kinds of models, time and stock.
- Multiple protections: 50% charge voltage protection / Over-heat protection / Throttle signal loss protection / Motor lock-up protection; 
- The throttle signal loss protection set button on the ESC, and easy to set all parameters to the factory default setting.
- Compatible with the optional device the portable digital LED Program Card, especially convenient for outdoor use.

**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>QuicRun-WP-16BL30</th>
<th>QuicRun-WP-10BL60</th>
<th>QuicRun-WP-8BL150</th>
</tr>
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<tbody>
<tr>
<td>Speed</td>
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<td>10000 rpm</td>
<td>8000 rpm</td>
</tr>
<tr>
<td>Current</td>
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<td>100A</td>
<td>80A</td>
</tr>
<tr>
<td>Voltage</td>
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<td>24V</td>
<td>24V</td>
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<tr>
<td>Efficiency</td>
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<td>95%</td>
<td>95%</td>
</tr>
<tr>
<td>Weight</td>
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<td>1.35 kg</td>
<td>1.25 kg</td>
</tr>
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<td>Battery</td>
<td>3S-6S LiPo</td>
<td>3S-6S LiPo</td>
<td>3S-6S LiPo</td>
</tr>
<tr>
<td>Receiver</td>
<td>2.4GHz</td>
<td>2.4GHz</td>
<td>2.4GHz</td>
</tr>
</tbody>
</table>

**02 Begin to Use a New Brushless ESC**

1. **Connections**
   - Electronic Speed Controller

2. **Set up Throttle Range**
   - To avoid overheat the ESC, for the throttle range of your transmission, you should calibrate them in the following way: We use the RC transmitter to change the setting, and the ESC to control the motor. Please proceed with the calibration button, and the ESC to control the motor. Please proceed with the calibration button.

3. **Check the LED Status in Normal Running**
   - When the ESC is in the neutral range, neither the Red LED nor the Green LED lights up. When the ESC is not in the neutral range, the Red LED lights up. When the ESC is in the neutral range, the Green LED lights up when the throttle stick is at the neutral position, otherwise the motor will run.

**ATTENTION**

- The power system is very powerful and dangerous, for the safety of your loved ones and you, please turn off the switch in the ESC while keeping all the switches in the ESC.

**03 Program the ESC**

1. **Program the ESC with the SET Button**
   - Turn on the transmitter and press the set button.
   - Hold SET key for 3 seconds
   - Enter the N th item
   - Press SET key
   - Red LED starts to blink. (If you don’t release the SET button in 3 seconds, the ESC will enter the program mode, in such a case, please press the SET button again.)
   - Click the SET button to clear the option number and exit the program mode.

2. **Reset All Items to Default Values**
   - Enter the N th item
   - Press SET key
   - Red LED starts to blink. (If you don’t release the SET button in 3 seconds, the ESC will enter the program mode, in such a case, please press the SET button again.)

3. **Set the ESC by the Program Card**
   - The ESC can be read by the program card, and easy to set all parameters to the factory default setting.

**ATTENTION**

- The QuicRun-WP160B and QuicRun-WP100B can only be connected to the program card on the electronic programming port.

**04 Trouble Shooting**

- If the engine suddenly slows down, then stops about 15 seconds later.
- The car brakes, the Red LED solidly lights; the Green LED also lights up when the throttle stick is at the bottom position and the maximum brake force is set to 100%.
- The neutral point. • The end point of the forward direction. • The end point of the backward/brake direction.

**ATTENTION**

- The voltage of the battery pack is not in the normal range, or the battery pack is not charged.
- The ESC detects the battery voltage at any time, if the voltage is lower than the threshold for 2 seconds, the output power will be reduced 70%, if the voltage is lower than the threshold for 10 seconds, the output power will be completely shut off and the Red LED flashes in such a way: “Beep” tone.

**05 Programmable Items**

1. **Parameter List of QuicRun-WP16BL30 and QuicRun-WP10BL60:**
   - Form 1: Parameter List of QuicRun-WP16BL30 and QuicRun-WP10BL60:
   - Form 2: Parameter List of QuicRun-WP16BL30 and QuicRun-WP10BL60:

2. **ATTENTION**
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