Users' Manual For MAYTECH Brushless Electronic Speed Controller (Version 2012.6)

Cheeth Sensorless / Sensorless and sensored (MTC-CSV/CSL) Series CAR/TRUCK ECs

When purchasing Maytech Brushless Electronic Speed Controller (ESC), an electronic speed controller (ESC) is specifically designed for operating Sensorless or Brushless motors. High power systems for RC model can be very dangerous and we strongly suggest that you read this manual carefully. MAYTECH have no control over the correct use, installation, application, or maintenance of these products, thus no liability shall be assumed nor accepted for any damages, losses of cost resulting from the use of this item. Any claims arising from the use of this item. Any claims arising from the use of this item. Any claims arising from the use of this item. Any claims arising from the use of this item. Any claims arising from the use of this item.

If the ESC works at the status of Sensored, remove the Sensor wire, the ESC can automatically identify the motor type (Sensored/Sensoreless) via indicated LED.

Using PC to program braking percent.

Using advanced software interface to set up or update the software or using ESC can be connected with Sensoreless Brushless motor, the motor wire A, B and C of the motor freely. If the motor runs in the opposite direction, the less forward throttle speed will be available. Using a higher value for this setting will provide a wider Deadband.

Note: The option marked in black is factory default value.

Programmed Items and Default

<table>
<thead>
<tr>
<th>Programmable Item</th>
<th>Programmable Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Voltage Cutoff Threshold</td>
<td>4.5V, 6V, 9V, 12V</td>
</tr>
<tr>
<td>Running Mode</td>
<td>Forward,Reverse</td>
</tr>
<tr>
<td>Motor Tuning</td>
<td>Very soft, Soft, Medium, Hard</td>
</tr>
<tr>
<td>Throttle Limit</td>
<td>60%, 70%, 80%, 90%</td>
</tr>
<tr>
<td>Percent Drag Brake</td>
<td>0%, 5%, 10%, 20%, 25%, 30%</td>
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<tr>
<td>Motor Rotation</td>
<td>Normal, Reverse</td>
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Note: The options needed to be black in factory default value.

Program Method via Program Card

The LED Program Card is easy to use and convenient to carry. All of the programmable functions are shown on the program card.

1. Turn on the ESC. Connect the signal wire into the top-socket of the Program Card, wait for 2 seconds until the LED Off. The first programmable function will be shown, if an error occurs, please reconnect them.

2. Press the button “Menu” on the Program Card and circularly select each programmable function. At that time the number of the programmable function displayed in the LED, the relative display value will be replaced on the right side. Then press the button “Value” to change the value and press the button “OK” to confirm. At the same time the display of the ESC and the LED Card will be cleared. ESC will be turned off, the modified settings will be saved.

3. Press the button Reset to return the default settings.

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