

# BASHER SABERTOOTH MANUAL

## Check LED Status In Normal Running

- ▶ Normally, if the throttle stick is located in the neutral range, neither the red LED nor the green LED lights.
- ▶ The red LED lights when the car is running forward or backward and it will flash quickly when the car is braking.
- ▶ The green LED lights when the throttle stick is moved the top point of the forward zone.

## 【PROGRAMMABLE ITEMS LIST】

(The *italics* texts in the following form are the default settings)

Programmable Items	Programmable Value								
	1	2	3	4	5	6	7	8	9
1. Running Mode	Forward with Brake	<i>Forward/Reverse with Brake</i>	Forward and Reverse						
2. Drag Brake Force	0%	5%	10%	20%	40%	60%	80%	100%	
3. Low Voltage Cut-Off Threshold	Non-Protection	2.6V/Cell	2.8V/Cell	<i>3.4V /Cell</i>	3.2V /Cell	3.4V /Cell			
4. Start Mode(Punch)	Level1	Level2	Level3	Level4	<i>Level5</i>	Level6	Level7	Level8	Level9
5. Max Brake Force	25%	<i>50%</i>	75%	100%	Disable				

## 1. Programmable Values

- 1.1. **Running Mode:** In "Forward with Brake" mode, the car can go forward and brake, but cannot go backward, this mode is suitable for competition; "Forward/Reverse with Brake" mode provides backward function, which is suitable for daily training.

**Note:** "Forward/Reverse with Brake" mode uses "Double-click" method to make the car go backward.

When you move the throttle stick from forward zone to backward zone for the first time (The 1st "click"), the ESC begins to brake the motor, the motor speeds down but it is still running, not completely stopped, so the backward action is Not happened immediately. When the throttle stick is moved to the backward zone again (the 2nd "click"), if the motor speed is slowed down to zero (i.e. stopped), the backward action will happen. The "Double-Click" method can prevent mistakenly reversing action when the brake function is frequently used in steering.

By the way, in the process of braking or reversing, if the throttle stick is moved to forward zone, the motor will run forward at once.

"Forward/Reverse" mode uses "Single-click" to make the car go backward. When you move the throttle stick from forward zone to backward zone, the car will go backward immediately. This mode is usually used for the Rock Crawler.

- 1.2. **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.

- 1.3. **Low Voltage Cut-Off:** The function prevents the lithium battery pack from over discharging. The ESC detects the battery's voltage at any time, if the voltage is lower than the threshold for 2 seconds, the output power will be cut off, and the red LED flashes in such a way: "☆-☆-, ☆-☆-, ☆-☆-".

- 1.4. **Start Mode (Also called "Punch"):** Select from "Level1" to "Level9" as you like. Level1 has a very soft start effect, while level9 has a very aggressive start effect. From Level1 to Level9, the start force is increasing. Please note that if you choose "Level7 to Level9" mode, you must use good quality battery with powerful discharge ability, otherwise these modes cannot get the burst start effect as you want. If the motor cannot run smoothly (that means the motor is thrembling), it may caused by the weak diacharge ability of the battery, Please choose a better one or a softer gear ratio.