

## Programming Card User Manual

### ESC for Boats



Thank you for choosing our brushless electronic speed controller (ESC). Any improper operation may cause personal injury and equipment damage. We strongly suggest users read the instruction carefully and completely. We will not assume any responsibility for personal injury, property damage, or any consequential damages resulting from our product.

### 01 Specification

Rated voltage	Weight	Dimension (for reference)
5V	46g	95x66.5x16.3mm

### 02 How to use

- Use ESC programming card to program is the most convenient choice, only need to insert the ESC signal cable into (+ -) port on the programming card.  
(Note: please supply 5VDC to programming card if the ESC is without BEC)
- Press the [ITEM] button to select the item you want.  
Press the [VALUE] button to select the value of the item you want.  
Press the [OK] button, the VALUE window display "S" which means this value is saved.
- To restore the factory default values press the [RESET], then press [OK].

### 03 Programming Items and Values

Shadow parts below are default values

items \ values	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Running Mode	Forward	Forward & Reverse							
2. Motor direction adj.	CW	CCW							
3. Low voltage protection	Non-protection	2.6V	2.8V	3.0V	3.2V	3.4V			
4. Start Mode (Punch)	Level 1	Level 2	Level 3	Level 4	Level 5				
5. Timing	0°	3.75°	7.5°	11.25°	15°	18.75°	22.5°	26.25°	

