



## PP-PROGBOX Programming Instructions

All parameters can be easily changed using the 2 line LCD panel.

### Function of buttons



To move the cursor horizontally



To move the cursor vertically or to change an option or value.



To confirm selection.

**WR** Write to the ESC to save all parameter and settings.

### Programming

1. Connect the PPM lead (Servo lead) to the ESC programming box.
2. Connect a battery to ESC. The program card will read the setting in ESC and display them on LCD panel.
3. Push to choose function and use key to move the cursor to proper place, then use to select option or change value and push to confirm.
4. When all parameters are set, push **WR** to save the settings to the ESC. You can push to check the parameters set in the ESC.

Item	Specification	Options or value range	Default
<b>Offvlot</b>	Set low voltage threshold	0.00-99.9V	5.5V
<b>BrakeType</b>	Select brake type	Off, Soft, Hard	off
<b>Start</b>	Select start mode	Fast, Soft, Ultra Soft	Soft
<b>Protect</b>	Set protect action	Reduce (Reduce output power) Cut off (Sharp cut of power)	Reduce
<b>Freq</b>	Select PWM frequency	8KHz, 13KHz	8KHz
<b>NatRange*</b>	Set the nature range of throttle	0-29%	5%
<b>Governor</b>	Set the governor speed	Off, <b>Gov-L</b> , <b>Gov-H</b>	Off
<b>StRatio*</b>	Set start power ratio	00-49%	0%
<b>Model</b>	Select the model type	Car, Plane	plane
<b>Neutral*</b>	Set the throttle range proportion between forwards and reverse	70/30, 60/40, 50/50, 40/60, 30/70	50/50
<b>CarDir*</b>	Select direction function	Mono (Mono direction) bi-d (Bi-direction) con-d (Conditional Bi-direction)	bi-d

\* = Applicable in "Car" mode on