

# Manual of LCD Program Card V2.0

## Using program card



Adopting 2x16 point LCD panel, program card can make all setting conveniently and directly.

## The keys function

KEY	➡	⬆	⬅	WR
FUNCTION	To move the cursor horizontally	To move the cursor vertically and change item or item value	To confirm selected item or item value.	To write and save setting parameter to ESC

## Program procedure

1. Unplug the battery of ESC and connect the PPM wire to program card properly.
2. Connect the battery to ESC, program card will read the parameter from ESC and display on LCD panel.
3. Push **⬆** to select programmable items and push **⬅** to enter the item.
4. Use **➡** key to move the cursor to proper place ( if it need ), use **⬆** to select or change item value (programmable Value ) and push **⬅** to confirm.
5. When all setting is finished, push **WR** to save to ESC. After that, you can push **⬅** to check updated parameter.

## Parameter Display

After electricity connection between program card and ESC, Program card can automatically discern ESC is Car or Plane and can read the parameter from ESC.

1、Configurable parameter of ESC for car and display:

Item	Specification	Option or value	Default
<b>1.OffVolt=</b>	Low Voltage Protection Threshold	00.0V—49.9V	<b>00.0V</b>
<b>2. BrakeForc:</b>	Brake Force	50%,75%,100%	<b>100%</b>
<b>3. DragBrake:</b>	Drag Brake	0,5%,10%,15%,20%	<b>0</b>
<b>4. RunMode:</b>	Run Mode	One, Two, Two2	<b>Two2</b>

<b>5. StartForc:</b>	Start Force	20%,25%,30%,35%,40%	<b>30%</b>
<b>6. Timing:</b>	Timing	low, middle ,high and highest	<b>middle</b>
<b>7. NeutRange:</b>	the neutral range of throttle	6%,8%,10%	<b>8%,</b>
<b>8. InitBrake:</b>	Initial Brake Force	5%,10%,20%,30%.	<b>5%</b>
<b>9. ReverForc:</b>	Reverse Force	25%,50%,75%,100%.	<b>25%</b>

2、Configurable parameter of ESC for plane and display:

<b>Item</b>	<b>Specification</b>	<b>Option or value</b>	<b>Default</b>
<b>1. OffVolt</b>	Low Voltage Protection Threshold	00.0V – 49.9V	00.0V
<b>2. BrakeType</b>	Brake Mode	<b>Off, Soft brake, Hard brake</b>	Off ( brake disable )
<b>3. AdvanceT</b>	Timing Mode	<b>Low, Mid, High</b>	Mid
<b>4. Start</b>	Start Mode	<b>Fast , Soft , VerySoft</b>	Fast
<b>5. OffType</b>	Low Voltage Protection Mode	<b>Reduce ,Close ( shut down )</b>	Reduce
<b>6. Curve</b>	Throttle Curve Select	Curve1, Curve2, Curve3	Curve1
<b>7. StPercent=</b>	Start Power Percent	00% – 39%	+00%
<b>8. Reverse</b>	Motor rotation	<b>Normal, Reverse</b>	Normal