HOBBYSTAR LCD Program Card User Manual

The HOBBYSTAR LCD Program Card can be used to program HOBBYSTAR brushless surface and air ESC's. User can easily make adjustments to ESC settings at any time.
It has 2 use methods as follows:
a)Working as an individual device to set the parameters of ESC.
b)Workings as a USB adapter to link the ESC with PC, to update the firmware of ESC and set the parameters of ESC on PC.

Specifications:

Dimension: 91mm*54mm*18mm (L*W*H)
Weight: 68g
Power supply: DC 5V~12V

How to connect the LCD program card:

1.Disconnect the battery from the ESC;
2.Disconnect the signal wire of the ESC from the receiver; then plug it into the socket marked with (∿ ⊕ ⊖)
3.Connect the battery to the ESC and turn on the ESC.
4.If connection is correct, the LCD should read "Ready to connect to ESC" (press any button if message does not appear).
This signifies that the connections between the LCD Card and ESC is establishing. If the connection has failed, the LCD screen will continue to display "Ready to connect to ESC". If this happens, re-check connections and repeat steps 1 through
5.If the connection is established successfully, the first programmable item will be displayed on LCD screen. It's ready to set the parameters now.

Note1: Please follow the above sequence precisely, steps 2 and 3 cannot be reversed. Otherwise the LCD card cannot function.

Note2: A separate power supply is needed if ESC is not equipped with a BEC.
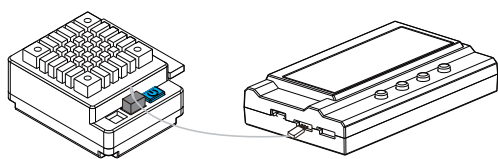Connect an external power (5-12V) to the socket marked with (⊕ ⊖) on the left of the LCD program card for power supply. Please be sure that the polarity is connected correctly.
Plug the signal wire into the socket marked with   (∿ ⊕ ⊖) first. Then connect an external power (5-12V) to the socket marked with (∿ ⊕ ⊖). Then switch on the ESC. If the sequence is wrong, LCD will not work properly.

Note3: The power supply should be lower than 12V, or the program card will be damaged.

Operation:

*Working as an individual device to program the ESC, the function of the buttons are as follows:

"Menu": Change the programmable item
"Value": Change the parameter
"Note": Keeping the "Menu" or "Value" button held will scroll more quickly.
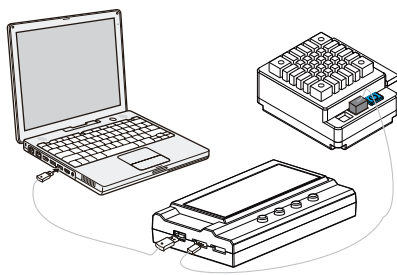"Reset": Return to the default settings
"OK": Save the current parameter to the ESC. If you do not press "OK" after making changes, the settings will not be programmed to ESC. You must press "OK" after every change you make, not just at the end of programming. Press "OK", and use the "Menu" button to scroll to the next item.

E.g.: "Example: Enter the value of a programmable item (e.g.: cut-off voltage 3.2/cell), then press "Value" button to select parameter. Finally, press "OK" button to save the parameters to the ESC.

*Working as a USB adapter to link the ESC with a PC to update the firmware of ESC and set the parameters on PC.
*NOTE: Battery must be connected to ESC and ESC powered "On" for PC Link to operate. Application for PC Link can be downloaded from HOBBYSTARLABS.COM.

Copywright © HobbyStar 2015