

Gecko LCD Program card User manual

Gecko LCD Program card can be used to set up Gecko series brushless ESC produced by ZTW Model for RC aircraft and RC car. Users can choose their desired parameter at any time.

It has 2 use methods as follows:

- Working as an individual device to set the parameters of ESC.
- Working as a USB adapter to link the ESC with PC, to update the firmware of ESC and set the parameters of ESC on PC.

Specification:

Dimension: 91mm*54mm*18mm (L*W*H)

Weight: 68g

Power supply: DC 5.0V~12.0V

How to connect the LCD program card:

- Disconnect the battery from the ESC;
- Disconnect the signal wire of the ESC from the receiver; then plug it into the socket marked with (V ⊕ ⊖)
- Connect the battery to the ESC and turn on the ESC.
- If the connection is correct, the following message(ZTW Gecko +Version+Date)will be displayed on the LCD screen. Press any buttons, the following message (Ready to connect ESC) will be showed on the LCD Screen. It signifies that the data connection between LCD and ESC is establishing.
If the data connection between LCD and ESC is failed, the LCD Screen is always showing (Ready to connect ESC); Please check whether the signal wire is connected correctly and repeat step1,2 ,3.
- 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 strictly connect according to the above sequence. The sequence of step 2 and step 3 can not be reversed. Otherwise, the LCD program card can not work properly.

Note2: A separate power is needed if the ESC is without BEC.

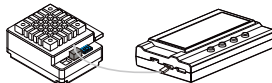
Connect an additional power (5-12V) to the socket marked with (⊕ ⊖) on the left of the LCD program card for power supply. Please be sure that the polarity is connected correctly.

Plug the signal wire into the socket marked with (V ⊕ ⊖)first. Then connect an additional 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 items circularly;

“Value”: Change the parameters of each programmable item circularly

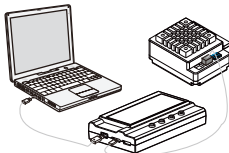
Note: Keeping the “Menu” or “Value” button holding can select the desired parameters quickly.

“Reset”: Return to the default settings

“OK”: Save the current parameters into the ESC. If you don't press “OK” button, the customized settings will not be saved and updated into the ESC. If you just press “Menu” button, the customized settings are just saved into the program card, not into the ESC.

E.g.: Firstly, enter the interface of a customized programmable item (e.g.: cut-off voltage 3.2/cell); Secondly, press “Value” button to select the parameters; At last, press “ok” button to save the parameters in 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.**



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Gecko LCD编程卡使用说明书

Gecko LCD编程卡适用于中特威科技有限公司生产的Gecko系列航模、车模无刷电调，该编程卡可以设置并存储多项不同的参数，便于使用者随时选择最钟意的参数存储于电调。可以作为独立的设备，直接利用LCD（液晶屏幕）显示电调参数，进行参数设定；也可以作为USB适配器将电调和PC相连，利用PC软件实现电调程序的更新和参数设置功能。

◆ 规格

外形尺寸：91*54*18mm

重量：68g

供电电源：DC5.0V~12.0V

◆ 连接步骤

1. 首先断开电调电源。
 2. 将电调上的信号线从接收机上拔下来，插入LCD编程卡左侧标注的(⌈⊕⊖)符号的插座，请根据符号所显示的极性插入信号线，不要插反。
 3. 将电调接上主电源，打开开关键。
 4. 如果连接正确，LCD 屏幕则显示界面（ZTW Gecko+版本号+日期），此时按压编程卡上任意键，编程卡将显示界面（Ready to connect ESC）,表示编程卡正在尝试和电调建立数据连接。
- 如果编程卡和电调的数据连接失败，则LCD屏幕会一直显示（Ready to connect ESC）。请检查信号线是否插反，并重复1.2.3操作步骤。
5. 如果连接成功，LCD屏幕会直接进入第一个设定项，此时即可设定参数。

注1：请严格按照上述顺序进行连接，步骤2和步骤3不可颠倒，否则编程卡不能正常工作。

注2：如果电调无内置BEC，必须单独为编程卡供电。

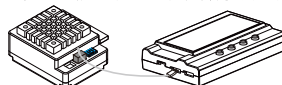
即需在编程卡左面的(⊕⊖)插座中接入单独的电源（5-12V,通常可以使用接收机电池组）为编程卡供电。请注意电源极性，不要接反。

同时请注意，此时必须先将电调BEC排线插入编程卡的(⌈⊕⊖)插座中，再将5V-12V电源接入编程卡上的(⊕⊖)插座中，最后再接通电调主电源。若顺序错误，则编程卡不能正常工作。

注3：给编程卡供电的电源不可超过12V，否则会造成编程卡损坏。

◆ 设定流程

*** 作为独立设备，利用LCD屏幕设置电调参数，按钮功能说明如下：**



MENU：循环切换编程项目

VALUE：循环切换某编程项目的参数值

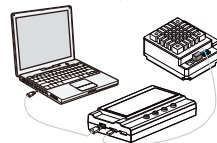
注：长按Menu\Value键可以快速选择自定义参数

RESET：返回到出厂默认设置模式；

OK：保存并发送当前所选的参数值到电调；如果更改自定义参数值后，没有按压OK按钮，新参数值将不会保存在编程卡中并且也不会更新到电调。对于已选择的自定义参数值，只有按压OK按钮，才会保存到编程卡中并且会自动更新到电调；如果仅按压MENU按钮，则自定义参数值只能保存于编程卡中，但不会更新到电调。

例：首先进入某参数项的自定义参数界面（比如：cut-off voltage 3.2/cell）再按压VALUE键，选择参数值，最后按压OK键，存储参数并更新到电调。

*** 作为USB适配器，将电调和个人电脑连接，利用电脑上的专用程序更新电调软件或设置参数。**



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