CAYOTE
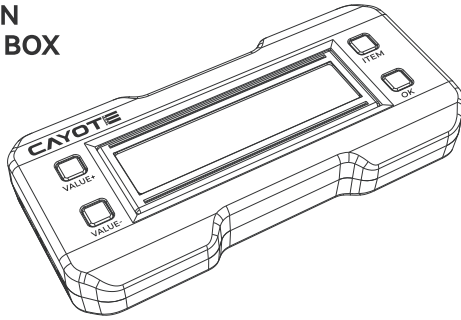
MULTIFUNCTION LCD PROGRAM BOX
For Speed Controller

programming card
instruction manual

01 Product function

1、Externally connected to the ESC, the built-in LCD (liquid crystal screen) displays ESC parameters and allows to set these parameters;
2、The setting box is pocket-sized and easy to carry, therefore suitable for outdoor usage.

02 Specifications

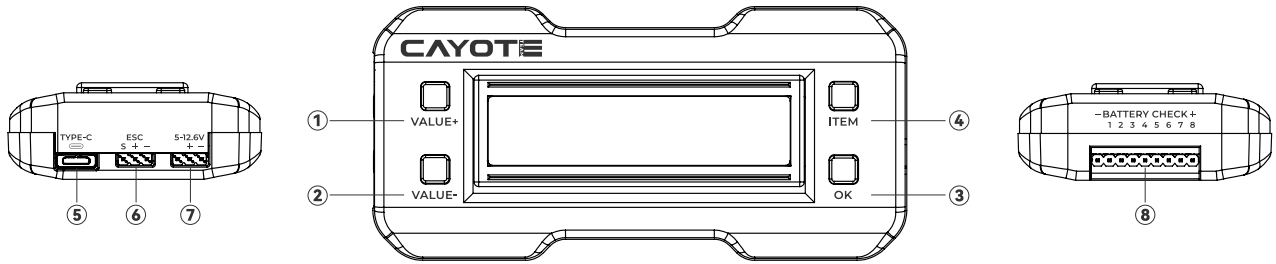|	
Dimensions	115mm*55mm*18.5mm
Weight	73.5g
Input power	DC5-12.6V

03 Application range

For CAYOTE car model brushless ESC (Version 1.0.0 and later)

04 Button function description

① VALUE+:
Adjust the parameter value of a programmable item in clockwise direction, step by step. Long press the button will allow faster changes through the programmable items.

② VALUE-:
Adjust the parameter value of a programmable item in anti-clockwise direction, step by step. Long press the button will allow faster changes through the programmable items.
When VALUE+ and ITEM are pressed and hold at the same time it allows to return to the programming item of the previous option.

③ OK:
Save and send the parameter values in the current mode to ESC. Enter the user-defined parameter value setting of some programming item.

④ ITEM:
Cyclically switch programming item. Exit the user-defined parameter value setting of the programming item. Enter the programming item settings. Long press to switch quickly and cyclically.

⑤ TYPE-C :
This port is reserved for connection with computer USB but currently only provide working voltage to the program box.

⑥ ESC :
Use programming cable to connect this port with programming port of ESC.(Each programming cable of ESC is different, please refer to the manual)

⑦ 5-12.6V:
Programming box power supply input port. When the programming port of ESC has no voltage output (such as OPTO ESC, please refer to the instruction of ESC), an external 5-12.6V power supply is required to power the programming box.

⑧ BATTERY CHECK:
Battery balance detection port, which can be used to check the total voltage of the battery pack and the cell voltage.
Note: Please pay attention to the polarity of the connectors, and the pin spacing of the port (2.54mm) to avoid damage to the program box.

05 Description of working mode

1 Connect

1.Determine whether the ESC has a built-in BEC and whether it has an independent programming port, select the corresponding connection method, and connect the ESC to the setting box.

2.The ESC has an independent programming port, and the programming port has a voltage output: use the programming cable to connect the programming port of the ESC to the "ESC" port on the LCD setting box.

3.ESC programming port has no voltage output: If the ESC has an independent programming interface, connect the independent programming interface to the "ESC" interface of the LCD setting box. In addition, you must use an extra battery (5-12.6V) or UBEC plugged into the "BATT" port to power the LCD setting box when connecting the setting box.

2 Set up

Connect the ESC to the battery, and turn on the ESC switch.

The LCD setting box will display the [Connecting ESC] start-up and connection interface, press any button on the LCD, the setting box and the heads-up will start to connect and communicate, and [Connecting ESC Please Wait] will be displayed. After a few seconds, the current software name of [ESC Sofware Ver V1.0.0] will be displayed. Then the current mode name [Mode 1 Zero Timing] is displayed, followed by the first setting parameter. Use the "Item" and "VALUE" buttons to change the setting parameters, and press the "Ok" button to save the setting parameters to the ESC.

3 Reset

Use the LCD setting box to restore the parameters of the ESC to the factory default values. When the ESC and the LCD setting box are online, turn to the last position until "Restore Default" is displayed, press the Ok button, all parameters in this mode Restore to factory default.

4 Default mode

3.Use the LCD setting box to switch the preset mode of the ESC. When the ESC has multiple sets of preset modes built in (please refer to the manual of the ESC to check whether there are any), they are for different applications, such as "Zero Timing" competition, "TC- Modify" competition, etc., users can set the parameters in each mode first, and when moving to different venues or using different motors, they only need to call the corresponding mode, which is convenient and quick. The recall method is: use Item to turn the page to the end, when the LCD displays the current mode name, press the "VALUE" key, then it will switch to the next mode, press it again to continue switching to the next mode, and so on. . If you need to modify the parameters of the selected mode, press the "Ok" button to save, then the parameters in the current mode can be displayed and modified.