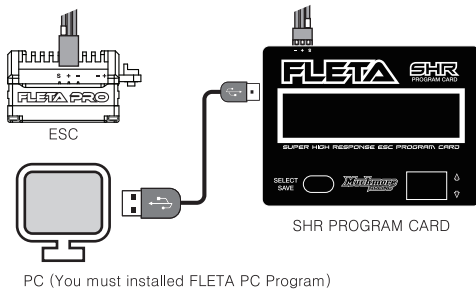


The FLETA PRO/Stock spec has 19 different program function available. To customize the settings, you can connect your ESC directly to the SHR program card or connect to your PC. The PC software can be download our website at <http://www.muchmoracing.net>

How to use the SHR Program Card

★ Recommended method : Before starting, place your car on a stand and avoid touching any moving parts.



- 1) Insert the Rx cable into the upper of the program card, and connect front side of the ESC. make sure to connect correctly. (Please use a connection at front side of the ESC.)
- 2) The program card display will turn ON, and display the current software version.
- 3) Use scroll up and down to change the program function menu.
- 4) Press the select/save button.
- 5) A scroll up and down can change your setting value.
- 6) To save the setting value, Press the select/save button again.
- 7) When the display has returned to program menu; you can disconnect the ESC from the program card.
- 8) Turn OFF the ESC, first before using again.

PROGRAMMABLE FUNCTIONS

1. Operation Mode

This setting allows selection between Forward/Brake Only or Forward with Brake and Reverse or Forward with Reverse. (except brake function) If you plan to use reverse drive, make sure to adjust the motor end bell timing to zero degree advance.

2. Reverse Speed

This setting adjusts the limit of maximum reverse speed. It offer four reverse speed value. Set a higher setting for higher reverse speed.

3. Low Volt Cut (Battery Low Voltage Protection Threshold)

This setting adjusts the desired threshold for battery low voltage cut-off. Depending on the booster and turbo settings, battery voltage may drop significantly during high current discharge. If you need to change the value in detail, use the custom value.

4. Drag Brake

This setting adjusts the level of drag brake at neutral throttle position. Set a high level for stronger drag brake. You can change between 0% – 50% in 1% increments.

5. Initial Brake

This setting adjusts the initial (or minimum) brake level. Set a higher level for more initial bite. You can setup same to the drag brake value or adjust 0% – 50% in 1% increments.

6. Full Brake

This setting adjusts the maximum brake level at full brake position. Set a higher level for stronger brake force. Note the motor will also run hotter if brake force is set too high. The actual brake force will also be affected by gear ratio and rotor size. You can change 75% – 100% in 5% increments.

7. Brake Frequency

This setting adjusts the brake PWM frequency. The brake feel and efficiency will very depending on the frequency and motor rpm. Set a lower frequency for more progressive brake feel and higher frequency for more initial bite. You can set it to 1Khz, 2Khz, 4Khz, 8Khz, 16Khz, 32Khz.

8. Power Level

This setting fine tunes the throttle response. Set a higher value for more immediate throttle response. Set a lower value for more smooth response. You may lower your motor temperature by using a lower setting. For modified motor, You can set it to Level 1 – Level 9.

9. Drive Frequency

This setting adjusts the throttle feel at partial throttle by varying the PWM frequency for forward drive. Set a higher frequency for smoother feel at partial throttle and lower frequency for stronger acceleration. You can set it to 2Khz, 4Khz, 8Khz, 16Khz, 32Khz, 64Khz

Caution : If you set a too high frequency, ESC temperature will rise highly for stock / modify motors.

10. Neutral Dead Band

This setting adjusts the width of neutral dead band suitable for your radio. Set a lower value for high quality 2.4GHz radio system. Set a higher value for low cost 2.4GHz or FM/AM radio system. Smaller value gives you more immediate response. If the value is set too small for your radio, the brake may be engaged accidentally at neutral. You can set it to 0%, 3%, 6%, 9%, 12%.

11. Temp Cut Set

This setting adjusts the thermal protection shut down temperature. You can set it to three value. (OFF, 176F/80celsius, 196F/90celsius.) Note : the internal temperature sensor requires a brief moment to detect temperature change. In case of sudden current overload.

12. Boost Timing

This setting adjusts the level of boost timing available at the max boost timing. Set a higher boost timing to increase the overall available torque and rpm. Setting the boost too high will result in excessive current draw and high operating temperature of the ESC and motor. As a general guide, we suggest to set boost between 10 – 30 for stock class motors and 0 – 20 for modify motors. The combine total of Boost timing and Turbo timing should be below 60 to reduce risk of over loading the motor.

13. Boost RPM

This setting defines the starting motor rpm at which boost timing is activated. Boost timing is injected incrementally starting from the Boost RPM. Set a lower rpm for more low end torque and smoother boost engagement. Set a higher rpm to lower motor temperature. As a general guide, we suggest to set minimum Boost RPM over the 3000 for stock class motors and over the 12000 for modify motors.

Note : Booster timing will not engage if the Minimum Booster RPM is higher than the rated rpm of the motor.

14. Boost ACC (Boost Timing Acceleration)

This setting is the RPM increment of the boost timing. increase of 1 Degree. The lower the value it is, the more torque the motor will produce but at the expense of the motor increasing in temperature. As a general guide, we suggest to set it over the 350RPM/ACC for stock class motors and over the 14000RPM/ACC for modify motors.

15. Turbo Timing

This setting is the additional timing that is added to the Boosting Timing and is ONLY effective when the throttle is at 100% end point of activation. The combine total of Boost timing and Turbo timing should be below 60 to reduce risk of over loading the motor.

16. Turbo Slope

This setting refers to the Turbo Timing increasing rate. The higher it is, the faster the Turbo Timing increases, and together with a quicker acceleration and higher motor temperature.

17. Turbo Delay

This setting is the amount of time "full throttle" must be held Before the turbo function engages. If the full throttle time is less than the setting value, the turbo function will NOT be activated.

18. Rotation Mode

This setting reverses the spinning direction of the motors. Use reverse setting if your chassis requires a reverse spinning direction.

19. Restore Default

Selecting this setting will erase and reset all settings to factory default values.

This Setup is only used to
FLETA PRO FLETA
FLETA is disabled to menu.

WARRANTY

Parts for defects and flaws of this product, please ask your dealer or distributor you purchased along with the receipt within 120 days from the date of original purchase. The maximum amount of the above warranty, failure or defect normal wear and tear, incorrect use, due to improper repair or modification can not be guaranteed. This also applies to matters such as the following.

- If you are connected in reverse polarity of the product
- physical damage case
- physical damage of the electronic component and the circuit board
- (except soldering external) of the circuit board soldering
- Before the product for warranty service, please check how to resolve the problem before and all component parts.
- To obtain warranty service the product, you will need the receipt of the products you have purchased.
- (If you do not have a receipt, the warranty period not permitted.)
- Please fill in the address and contact details of the defect and the defect or repair or for faster delivery.

- product repair
- If the repair of the product, you will need a receipt at the time of purchase.
- For repair damaged parts, the cost of parts may be associated with each component will be charged.

Much-More Racing Co., Ltd.
127-1, Poong-dong, Ilsan-gu, Gyeong-gi-do, 410-842 Korea
Phone +82(31)903-0381 | Fax +82(31)903-0497
www.muchmoracing.net