深圳市大好科技有限公司

萤火虫系列ESC编程卡使用说明书（V1.0）

01 编程卡面板

	External power for OPTO	Controller	Impuls ⎍
+[4-6V]			[red]+
–			100%

FIREFLY

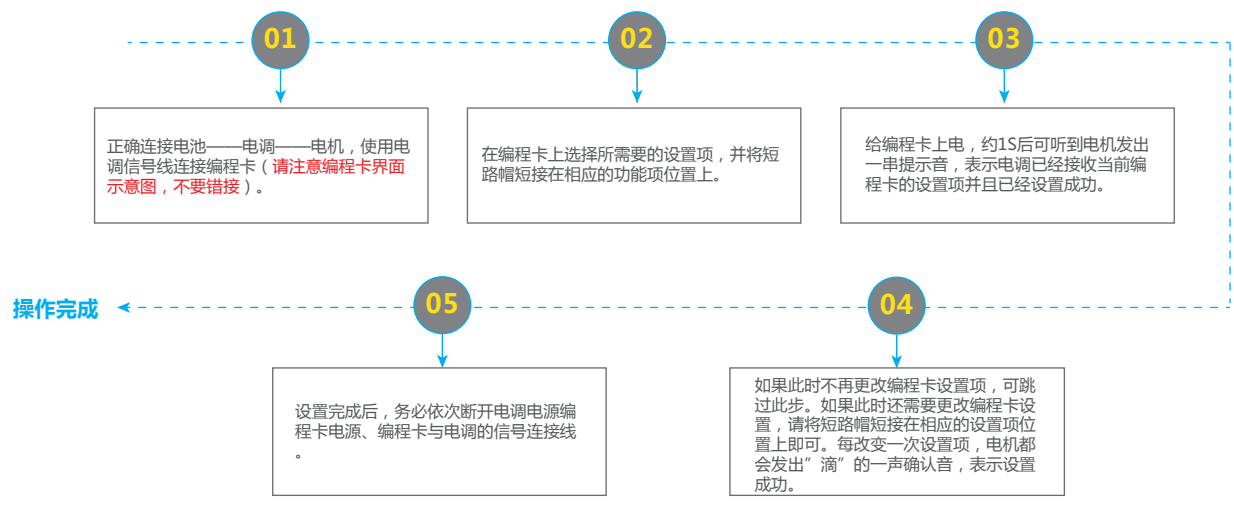
Single track	Mode	Signal	**Auto**
3D Slow			Common
3D Fast			One-shot

ESC PROG-CARD

12K	PWM	Brake	OFF
24K			50%
32K			**100%**

Auto	Timing	Direction	**Stay**
Slow			Change
High			

02 操作说明



补充说明：

本编程卡拥有防信号干扰功能，若在编程卡设置期间出现干扰（比如在设置期间出现多次提示音），可确保设置项仍为用户当前设置项，即设置仍然是成功的

03 设置项介绍

01/06 模式设置

1. 单向：推动遥控器摇杆，电机只可向一个方向转动。
2. 3D慢：推动遥控器摇杆，电机可双向转动，但在切换方向时有一定的缓和。
3. 3D快：推动遥控器摇杆，电机可双向转动，切换方向时可立刻换向.

02/06 信号设置

1. 自动：电调可自行识别三种遥控信号（1ms-2ms、125us-250us、41.666us-83.333 us）.
2. 普通：电调只可识别1ms-2ms遥控信号。
3. One-shot：电调可自行识别两种遥控信号（125us-150us、41.666us-83.333us）。

03/06 PWM频率设置

1. 12K：电调PWM频率为12K，低频。
2. 24K：电调PWM频率为24K，中频。
3. 32K：电调PWM频率为32K，高频.

04/06 刹车设置

1. 关：电调无主动刹车功能.
2. 50%：电调拥有弱主动刹车功能号。
3. 100%：电调拥有强主动刹车功能。

05/06 进角设置

1. 自动：电调可自行寻找较为合适的进角。
2. 低：电调使用低进角。
3. 高：电调使用高进角.

06/06 方向设置

1. 保持：电调当前旋转方向不改变。
2. 改变：改变当前电调旋转方向。

安全说明：

1. 编程卡只接受4-6V电源， 请勿高压或低压连接。
2. 请勿用手直接接触编程卡引脚或电路，否则将引起信号干扰，甚至人体静电损坏芯片。

ShenZhen V-GOOD Technology Co.,Ltd

Prog card manual for Firefly series ESC(V1.0)

01 Prog Card Interface

	External power for OPTO	Controller	Impuls ⎍
+[4-6V]			[red]+
–			100%

FIREFLY

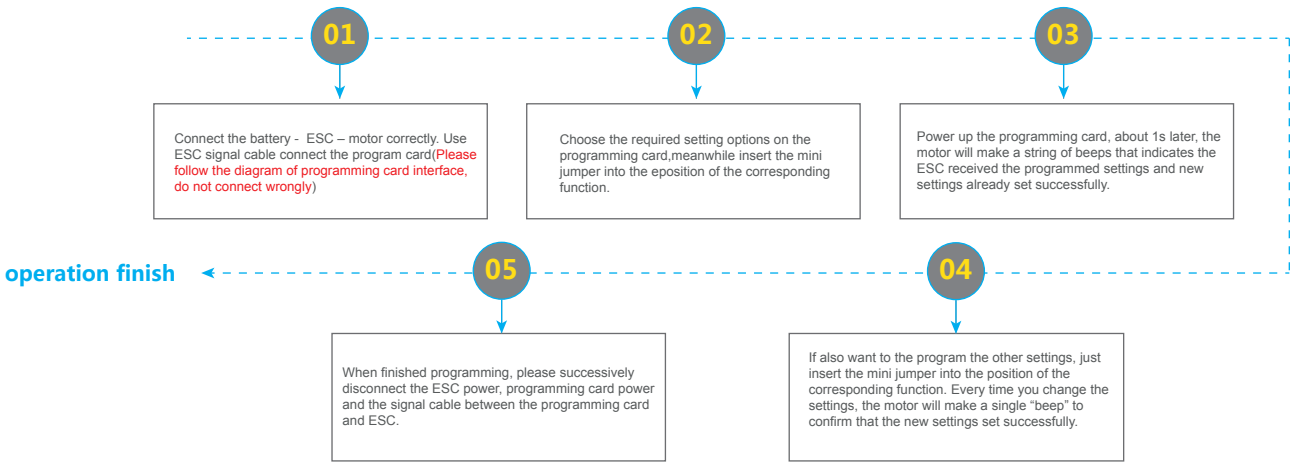
Single track	Mode	Signal	**Auto**
3D Slow			Common
3D Fast			One-shot

ESC PROG-CARD

12K	PWM	Brake	OFF
24K			50%
32K			**100%**

Auto	Timing	Direction	**Stay**
Slow			Change
High			

02 Operation



supplementary instruction:

The programming card has anti signal interference function, the function can ensure the settings set successfully when there is some interference (f.e.: you hear several beeps) during the programming process.

03 Settings description

01/06 MODE setting

1. Single Track: push transmitter stick, the motor can only rotate by one direction.
2. 3D slow: push transmitter stick, the motor can rotate forward or backward, but there is a soft delay when change the direction.
3. 3D fast: push transmitter stick, the motor can rotate forward or backward and can change the direction immediately, no delay at all.

02/06 Signal setting

1. Auto: ESC can automatically detect 3 kinds of signals (1ms-2ms、125us-250us、41.666us-83.333us).
2. Common: ESC can only detect 1ms-2ms remote control signals.
3. One-shot: ESC can automatically detect 2 signals (125us-150us、41.666us-83.333us).

03/06 PWM frequency setting

1. 12K: ESC PWM frequency is 12K, low frequency.
2. 24K: ESC PWM frequency is 24K, mid. frequency.
3. 32K: ESC PWM frequency is 32K, high frequency.

04/06 Brake setting

1. OFF: ESC has no active brake function.
2. 50%: ESC has limited active brake function.
3. 100%: ESC has powerful active brake function。

05/06 Timing setting

1. AUTO: ESC can automatically set a proper timing.
2. LOW: ESC use low timing.
3. High: ESC use high timing.

06/06 Direction setting

1. Stay: Motor rotation direction remains unchanged.
2. Change: Change the current direction of the motor.

Safety instructions

1. Programming card can only support 4-6V power pack, please do not connect with high or low voltage power pack.
2. Please do not use your hand to contact the pins and circuit of the programming card directly, otherwise it will cause signal interference and the static electricity of human body may break the chips.