

# 组装说明书

## Assembly Instructions

### C-182ST/C-182UP R/C ELECTRIC AIRCRAFT

在开始装配之前，请认真地阅读这份说明书

Before commencing assembly, please read these instructions thoroughly.



#### Specification:

- Wingspan: 928mm
- Length: 723mm
- Take off weight: 584g/710g
- Wing load: 45.6g/dm<sup>2</sup>/55.5g/dm<sup>2</sup>
- Flying time: >10min

#### Configuration:

- Radio: 6Channels 2.4ghz
- Motor: CF-2812 KV 1400
- ESC: 20A Brushless
- Battery: 11.1v,1300mah/3s li-po
- Servo: 9gx3
- Propeller: 8060 x 1



#### 飞机的技术参数:

翼长: 928mm (36.5")  
 全长: 723mm (28.4")  
 飞行重量: 584g (st)/710g (up)  
 翼面积: 12.8dm<sup>2</sup>  
 翼载荷: 45.6g/dm<sup>2</sup> (st)/55.5g/dm<sup>2</sup>

#### 配置:

遥控设备: 六通2.4G遥控设备  
 无刷电机: CF-2812 Kv1400  
 锂电池: 3S 11.1V 1300毫安  
 舵机: 9克X3 (带襟翼X4)  
 螺旋桨: 8060x1  
 电调: 20A无刷电调

该无线电遥控模型飞机并不是玩具!具有一定的技术要求,一定要注意飞行环境和正确操作,未成年人在成年人监护下飞行.初学者要在有经验人士指导下飞行.

#### SAFETY PRECAUTIONS

This radio control model is not a toy! It has some technical requirement, you must pay attention to the flying environment and correct operation. Teenagers must fly under the guardians guide. Beginner must fly under the experienced pilot's guide.

## Disclaimer 声明

1. This RC model is not a toy. The owner/pilot is responsible for any damage to persons or property that results from the use of this product.
2. It is very important to follow ALL instructions for setting up and debugging the model before attempting flight.
3. The manufacturer and their distributors decline any and all responsibility for any liability arising from the use of this product.

1. 这款遥控模型飞机不是玩具,适合于有一定经验的遥控模型飞机操纵者,你有责任确保不会对他人的人身及财产造成伤害!
2. 调试安装飞行须严格按照操作说明书上操作,并确保头部手指及身体其它部份远离旋转部件.否则会造成飞机严重损坏或人体伤害!
3. 用户对于该产品的正确操作和使用负有全部责任!我们公司和销售商对因使用或操作不当而引起的任何损失不负任何责任!

## Battery and charging 充电注意事项

1. Do not charge or use the battery near fire or high temperature, or tinder.
2. Do not leave the battery alone during charging, and remove from charge as soon as the charge cycle is complete.
3. Keep children away from the battery and charger.
4. Do not disassemble or modify the battery or charger in any way.
5. Do not exhaust the battery cycle, or it will cause the battery permanent damage
6. Allow the battery to cool before attempting to recharge it after flying.
7. Do not use any charger except the factory provided one.
8. Read and follow all instructions...misuse of this Lithium Polymer battery or the charger can result in fire or explosion

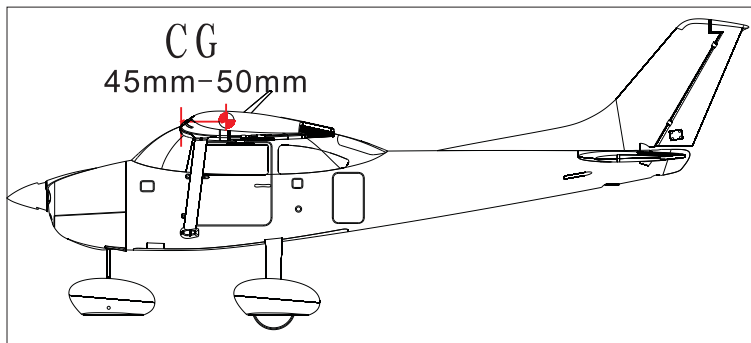
- ◆ 请勿在火附近,高温处充电.
- ◆ 充电时,为了防止充电过程出现故障,请勿离开.
- ◆ 充电时儿童须远离.
- ◆ 充电时须有人照看.
- ◆ 请勿对充电器做拆卸和更改.
- ◆ 在充电过程中正常情况下电池会变暖,不能使用电池过热否则会造成电池永久性损坏.
- ◆ 不能对发热的电池再次充电,充电前就让让电池冷却后再充电.
- ◆ 不能使用其它非专用充电器,否则会对充电器造成损坏
- ◆ 错误使用锂电池和充电器,会引起发热爆炸,着火等重大事故.请务必遵守说明书要求.
- ◆ 充电电池必须在成人临督下充电.
- ◆ 充电环境.请勿使其靠近易燃物品

Pictures of battery charging

充电连接相片



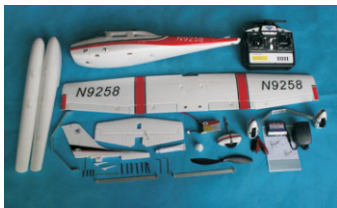
Center of Gravity 重心位置



## Component 产品组成

Fuselage, main wing, rudder, elevator, canopy, main landing gear, rear landing gear, propeller, lipo battery, balancer charger, adapter, brushless motor, ESC, servo, transmitter, receiver, accessory bag and spinner.

机身、机翼、垂尾、平尾、座舱罩、起落架、螺旋桨、动力电池、充电器、适配器、无刷电机、电调、舵机、发射机、配件包、整流罩

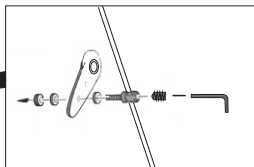
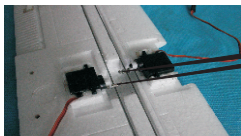
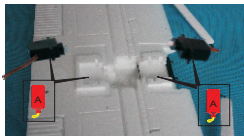


## Assembly Instructions 组装说明

### Main wing servos assembly 安装机翼舵机

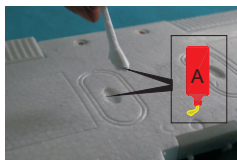
Apply the glue to servos and install them into the main wing as pictures showed. Connect the regulator to the servo arm, then install the servo plastic gear, and make sure the servo is in neutral position.

将舵机用胶水固定在机翼上,把调节器安装到舵机摇臂上,然后摇臂胶件安装到舵机上而且要保持中位,用扳手把螺丝锁紧。



## Main Wing decoration assembly 安装机翼装饰件

Glue the main wing decoration as pictures showed.  
用胶水把机翼装饰件和机翼固定好。



## Elevator & Rudder assembly 尾翼安装

Install the rudder and elevator to the fuselage tail then fix them with screws provided.

将平尾和垂尾安装到机身尾部指定的位置上,然后用螺丝锁住平尾和垂尾。



## Main landing gear assembly 安装主起落架

Install the main landing gear to the fuselage and fix them with screws provided.

把主起落架安装在机身底部指定位置上,用螺丝固定好。



## Front landing gear assembly

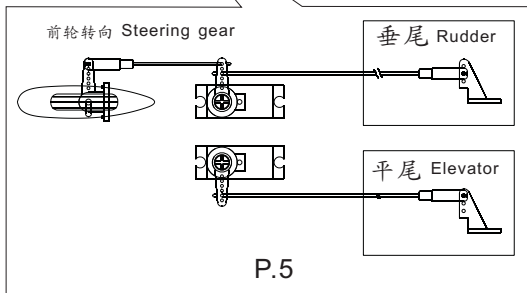
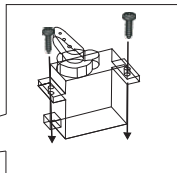
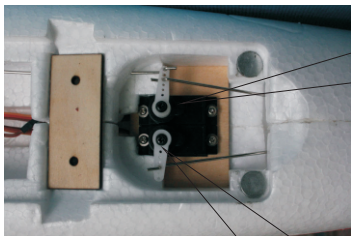
## 安装前起落架

Install the landing gear to the suspension shaft  
fix them with the screws provided.

把前起落架安装在机头减震器上,用螺丝锁定。



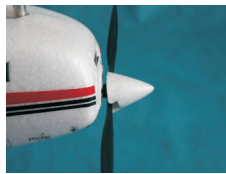
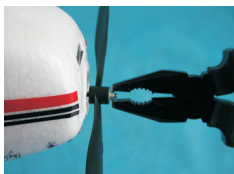
Fuselage servo/  
steering gear assembly  
机身舵机/操纵安装



## Propeller assembly 安装螺旋桨

Install the propeller to the motor shaft and fix them with the screws provided. Then adjust the adapter.

把桨安装到电机轴承上,用螺母锁定.然后套好整流罩.

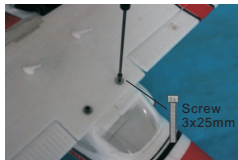


## Main wing assembly 安装机翼

Install the main wing to the fuselage and fix them with screws provided. (Before installing the main wing, do not forget to connect the main wing servo cables to the receiver and the LED lights cables to the LED switch board. See the Circuit connection graph on page 16.

把机翼安装在机身上,然后用螺丝固定.

(安装机翼之前请将机翼舵机线和LED灯线分别正确安装在接收机和LED灯电路版上,请看电子线连接连接图)



### Wing support assembly 安装翼撑

First, fix the alu sleeve with glue as picture show, then insert the control wire the ALU sleeve and rock it with allen screw provided.

把翼撑安装在机身侧面塑件里, 用铝套锁紧。



### Radio power battery assembly 发射机安装电池

.Install the transmitter battery, be sure that the throttle is in the off position. Then turn on the power and check controls.

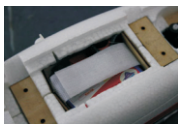
首先确认发射机开关处于关闭状态, 把8粒AA电池安装到发射机上, (产品出货不配备8粒AA电池), 电机动力操纵杆拉到下面位置, 然后打开开关。



### Lipo battery assembly 安装动力电池

Connect the lipo battery and put the lipo in the battery bay.

电池和电调插头对接起来, 然后安装在机身里面。





## Battery bay cover assembly

## 安装电池盖

Fix the battery bay cover to the fuselage as picture showed.

把电池盖安装在机身底部上。



## Water float assembly instructions

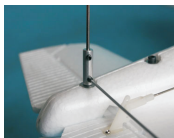
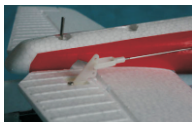
## 升级带浮筒安装说明

## Water rudder assembly

## 安装水舵

Install the water rudder to the steel wire at the bottom of the tail, fix them with screws provided.

把水舵安装到机身尾部钢线上. 用螺丝固定.

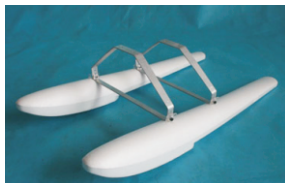
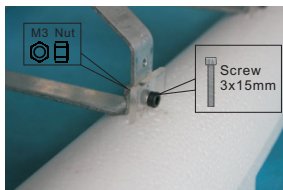


## Floats connecting assembly

## 连接浮筒

Connect the two floats with the aluminum frame and fix them with the screws provided.

用铝架把两个浮筒固定筒连接好,用螺丝固定好.

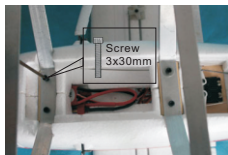


## Floats assembly

## 安装浮筒

Install the floats to the fuselage and fix them with the screws provided.

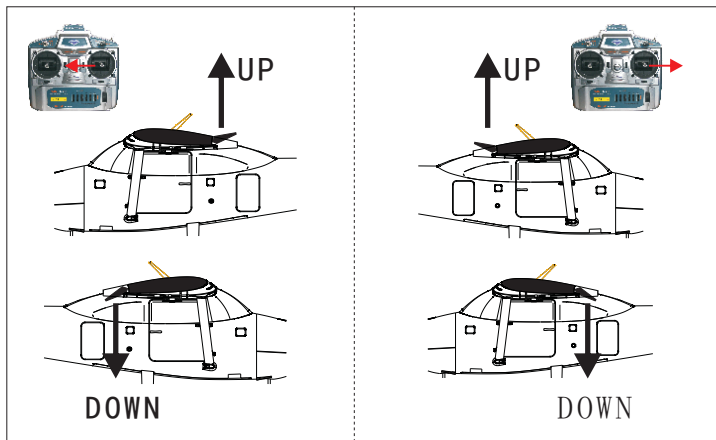
把浮筒安装在机身底部上,用螺丝固定好.



## 制式2 (左手油门) Mode 2 (left throttle)

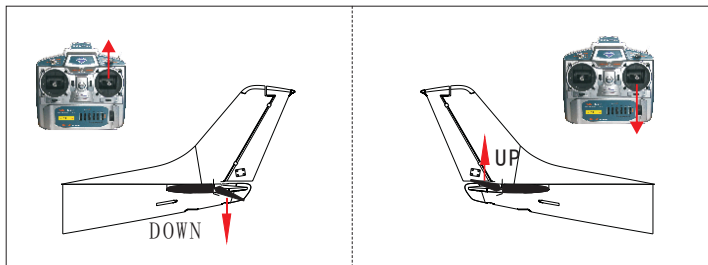
### 1. 左右拉动调节机身左右飞行。

Push the right stick to left and right to control the left or right direction of the airplane.



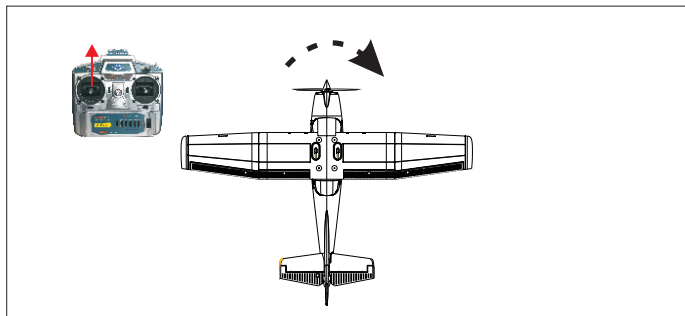
### 2. 上下拉动调节飞机下降与升高。

Push the left stick up and down to control the airplane to descend and rise.

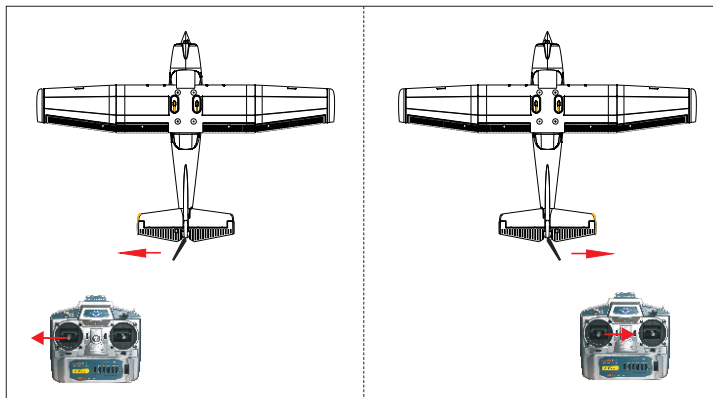


3. 上下拉动调节机体飞行高度与速度  
(也就是油门)

Push the right stick up and down to adjust the height and speed of the airplane.  
(It is the throttle)



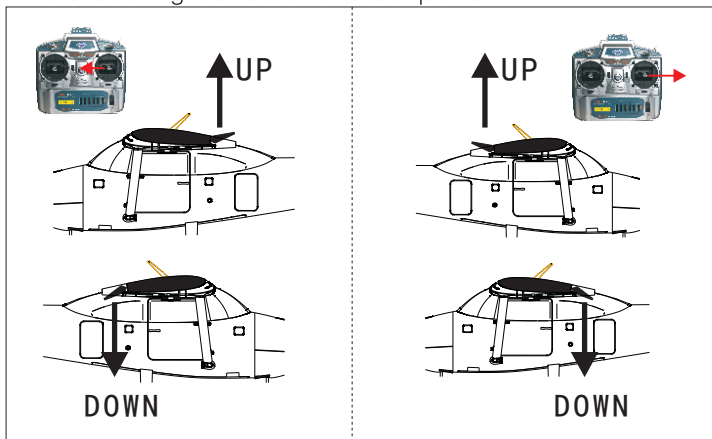
4. 左右拉动调节机尾左右摆动（后轮转向）  
Push the left stick left and right to control airplane tail to turn right and left.



## 制式1 (右手油门) Mode 1(right throttle)

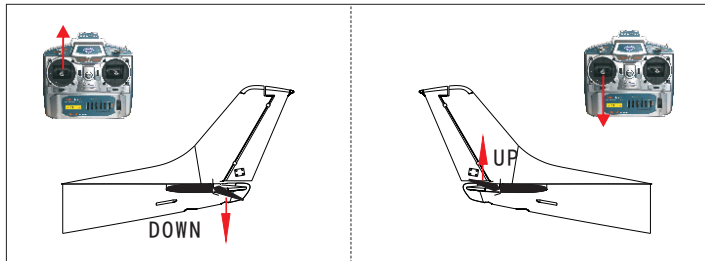
1. 左右拉动调节机身左右飞行。

Push the right stick to left and right to control the left or right direction of the airplane.



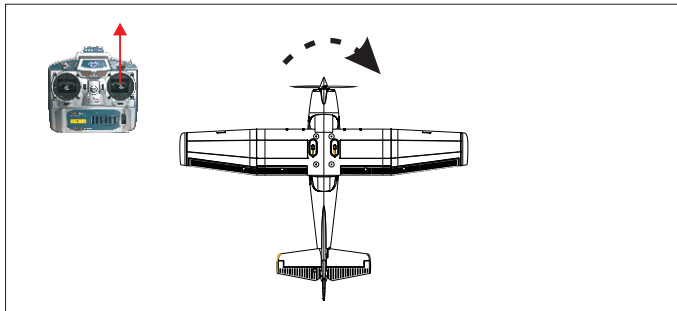
2. 上下拉动调节飞机下降与升高。

Push the left stick up and down to control the airplane to descend and rise.

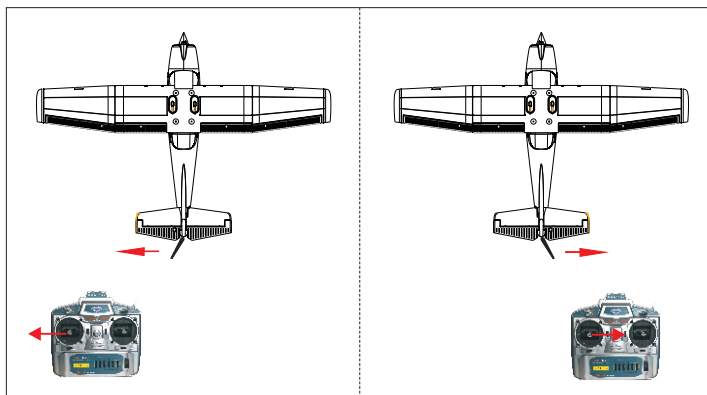


3. 上下拉动调节机体飞行高度与速度  
(也就是油门)

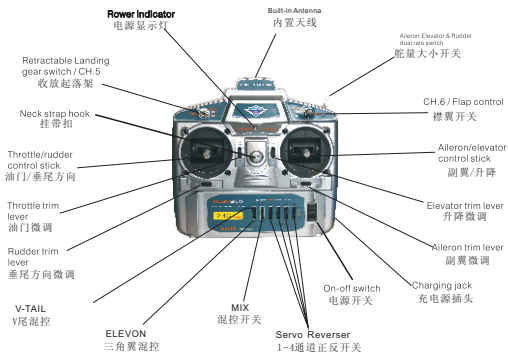
Push the right stick up and down to adjust the height and speed of the airplane.  
(It is the throttle)



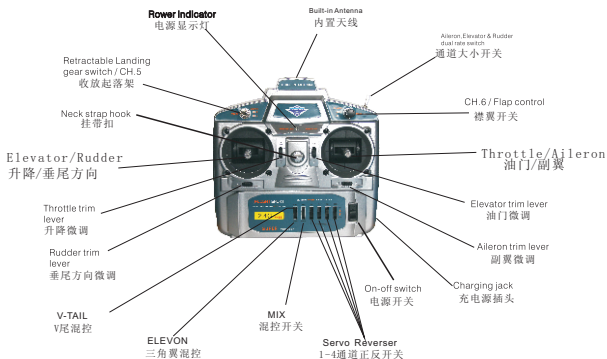
4. 左右拉动调节机尾左右摆动（后轮转向）  
Push the left stick left and right to control airplane tail to turn right and left.



遥控器制式2 (左手油门) MII

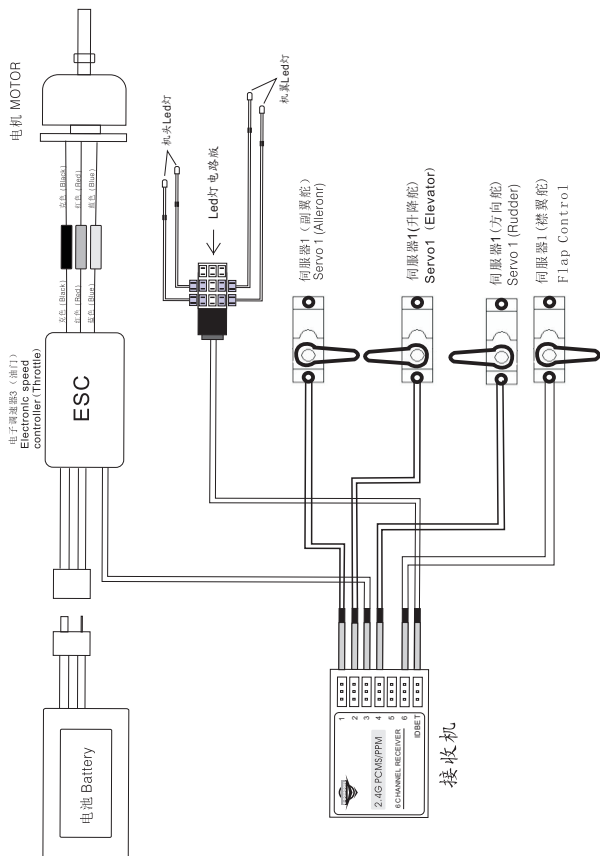


遥控器制式1 (右手油门) MI



# 线路连接图

## Circuit connection graph





## Safety Precautions 安全注意事项

1. Please do not repair and modify the airplane with non-factory parts. The responsibility is yours if you do.
2. Please do not mix new and old batteries, or alkaline and rechargeable batteries. Use only fresh alkaline batteries, and be sure to install them with the correct polarity.
3. Do not fly the model over roads, railways, near power lines, near airports, or over people or structures.
4. Do not fly or launch the model towards people's faces.
5. Do not fly in strong winds or rain or thunderstorms.
6. Keep your hands and face away from the propeller.

1. 如未经责任人认可核准, 请勿擅自修理及变更本产品的任何部份, 否则由此引起责任由顾客承担。
2. 请不要将新旧电池合混使用, 请勿将碱性、充电电池及其它类型电池混合使用, 并确保正确安装电池的正负极, 废旧电池心请按环保部门要求正确处理。
3. 严禁在公路、铁路、机场、高压线及人群密集的住宅区飞行。
4. 请不要对着人的面孔等投掷飞行, 以免发生危险。
5. 请不要在强风或打雷的天气飞行。
6. 请不要将手、面孔等靠近正在转动的螺旋桨。

请勿在以下环境中飞行!



# Spare parts 配件

1. Fuselage (机身)



2. Main wing (机翼)



3. Rudder (垂尾)



4. Elevator (舵瓦)



5. Landing gears (起落架)



6. Cowl (头罩)



7. ESC (电机)



8. Charger (充电器)



9. Adapter (适配器)



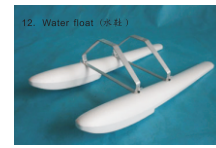
10. Motor (电机) 2812



11. lipo battery (电池) 11.1V 1000mah



12. Water float (水柱)



13. Spinner (螺旋桨)



14. Propeller (螺旋桨) 8060



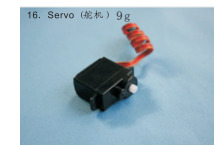
15. LED灯 (LED Lights)



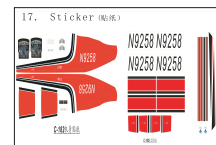
15. Water rudder (水舵)



16. Servo (舵机) 9g



17. Sticker (贴纸)





MADE IN CHINA