

Item No.: F3701

# ***Spacewalker***

**WINGSPAN : 1120mm (44-1/8")**

**Instruction Manual**

**组装说明书**



- The manual suit for every color scheme of Freewing Spacewalker.
- The manual only choose one color scheme as an example.
- The manual is only for reference. All is according to the actual product .We can't note if any improvement or upgrade.
- Spareparts support , please visit [www.sz-freewing.com](http://www.sz-freewing.com) to search.

Version No.: F3701-V01

FC CE    
**MADE IN CHINA**

# Catalogue

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Thanks very much for your purchasing our Freewing Space Walker, This airplane use EPO material, also add parts of carbon material to strengthen. Its structural design is very reasonable, you can finish its install very quickly. Install main wing and tail wing is extremely simple. Only take several minutes, you can complete its assemble. Please read the assembly manual carefully to familiarize you with all the steps before starting.

The following is our basic specification.

Specification	
Material	EPO
Fuselage length	800mm (31-1/2")
Wingspan	1120mm (44-1/8")
Flight weight	850g (29.98 oz.)
Pull	1150g (40.60 oz.)
Motor size	3130-1200KV
Prop size	2-Bladed 10*6
Battery	3S 11.1V 1600mAh 20C
ESC	30A ESC
Servo	9g servo (4pcs)
Landing gear	YES
Aileron	YES
Elevator	YES
Rudder	YES
Throttle	YES
Flap	NO

According to different demands, we provide **RTF**、**ARF**(no transmitter, receiver ,battery and charger),**Airframe only**, the three equipment for your choose. Please refer to the following list to take an inventory and make sure it is complete.

Note: 1. Picture use RTF version for your reference.

2. ○ refer to RTF version    △ refer to ARF version    ● refer to Airframe version

EPO Foam Fuselage	○   △   ●
Motor	○   △
ESC	○   △
Servo	○   △
Battery	○
Charger	○
Spare Parts Bag	○   △   ●
Manual	○   △   ●
Transmitter	○



## Accessory Bag Content List

(RTF\ARF)

### Spare Parts Bag 1

No.	Name	Specification	Qty.
1	Screw	PA3*25mm	1
2	Screw	PA3*30mm	1
3	Screw	PA3*10mm	4
4	Screw	PWA2*8mm	6
5	Screw	PT1.7*14mm	2
6	Screw	PT1.7*8mm	1

### Spare Parts Bag 2

No.	Name	Specification	Qty.
1	Screw Driver Handle	/	1
2	Screw Driver Head	2.3	1
3	Screw Driver Head	3.6	1
4	Y wire	L=100mm	1
5	Clips	Ø1.0mm	1
6	Clips	Ø1.2mm	1
7	Landing Gear (back)	/	1
8	Tension Spring	/	2

### Spare Parts Bag 3

No.	Name	Specification	Qty.
1	Main Wing Fixing Plastic Part (Nose)	/	1
2	Main Wing Fixing Plastic Part (Rear)	/	1
3	Rudder Fixing Plastic Part	/	1
4	Nose Landing Gear Wire Fixing Plastic Part	/	2

## Note:

- 1.This is not a toy .It is for experienced modelers only. You are responsible for the safe operation of this model and any damage of harm it may cause.
- 2.Before flying the Spacewalker for the first time .Please read through the instructions carefully and make sure that your radio equipment is working properly and has been range tested prior to flight.
- 3.Young people under the age of 14 should only be permitted to operate this model under the instruction and supervision of and adult with modeling experience.
- 4.Please keep these instructions for future reference after completing model assembly. They contain information critical to the safe operation of this model.
- 5.If you have any further questions regarding the safe operation of you RC model. please contact your local hobby shop .flying club or Freewing Model for professional help and advice.

(Airframe Only)

### Spare Parts Bag 1

No.	Name	Specification	Qty.
1	Screw	PA3*25mm	1
2	Screw	PA3*30mm	1
3	Screw	PA3*10mm	8
4	Screw	PA2.3*8mm	2
5	Screw	PWA2*8mm	6
6	Screw	PT1.7*14mm	2
7	Screw	PT1.7*8mm	1
8	Locknut	M3	1
9	Metallic Gasket	Ø3.2mm	1

### Spare Parts Bag 2

No.	Name	Specification	Qty.
1	Screw Driver Handle	/	1
2	Screw Driver Head	2.3	1
3	Screw Driver Head	3.6	1
4	Y wire	L=100mm	1
5	Clips	Ø1.0mm	1
6	Clips	Ø1.2mm	1
7	Landing Gear (back)	/	1
8	Tension Spring	/	2
9	Metal wire	L=41.5mm Ø1.2mm	2

### Spare Parts Bag 3

No.	Name	Specification	Qty.
1	Propeller Cowling	/	1
2	Propeller Fixed disk	/	1
3	Propeller	2- Bladed 10*6	1
4	Main Wing Fixing Plastic Part (Nose)	/	1
5	Main Wing Fixing Plastic Part (Rear)	/	1
6	Rudder Fixing Plastic Part	/	1
7	Nose Landing Gear Wire Fixing Plastic Part	/	2

非常感谢您选择这款“Space Walker(太空漫步者)”，这款飞机模型采用EPO材料制作，同时加入碳纤材料进行局部加强。它的结构设计非常合理、整机完成度高。主翼、尾翼的拼装过程异常简单。仅仅需要花费您几分钟的时间，即可完成飞机的拼装。接下来，请您认真的阅读说明书、来指导您正确的安装和了解这款模型。

以下是这款飞机的一些基本参数:

规格参数	
材料	EPO
机身长度	800mm (31-1/2")
翼展	1120mm (44-1/8")
起飞重量	850g (29.98 oz.)
推力	1150g (40.60 oz.)
电机尺寸	3130-1200KV
桨叶尺寸	2-Bladed 10*6
电池	3S 11.1V 1600mAh 20C
电调	30A ESC
舵机	9g servo (4pcs)
起落架	YES
副翼	YES
平尾	YES
方向	YES
油门	YES
襟翼	NO

根据每位消费者不同的需求，我们分别提供整机、ARF(不含发射机、接收机、电池、充电器)、空机三种不同的配置方案供大家选择。请参考下列清配置清单和图片来核对产品的完整性。

注：1. 图片采用整机配置做为参考。  
2. ○符号代表整机配置      △符号代表ARF配置      ●符号代表空机配置

EPO泡沫机身套件	○   △   ●
电机	○   △
电调	○   △
舵机	○   △
电池	○
充电器	○
零件包	○   △   ●
说明书	○   △   ●
遥控器	○



附件包内容列表

附件包(整机、ARF)

零件包一

序 号	品 名	规 格	数 量
1	螺丝	PA3*25mm	1
2	螺丝	PA3*30mm	1
3	螺丝	PA3*10mm	4
4	螺丝	PWA2*8mm	6
5	螺丝	PT1.7*14mm	2
6	螺丝	PT1.7*8mm	1

零件包二

序 号	品 名	规 格	数 量
1	螺丝刀手柄	/	1
2	钢丝刀头	2.3	1
3	钢丝刀头	3.6	1
4	Y线	L=100mm	1
5	夹头	内径 Ø1.0mm	1
6	夹头	内径 Ø1.2mm	1
7	后起落架	/	1
8	后起落架拉簧	/	2

零件包三

序 号	品 名	规 格	数 量
1	主翼固定塑料件(前)	/	1
2	主翼固定塑料件(后)	/	1
3	垂尾固定塑料件	/	1
4	前起落架钢丝固定塑料件	/	2

附件包(空机)

零件包一

序 号	品 名	规 格	数 量
1	螺丝	PA3*25mm	1
2	螺丝	PA3*30mm	1
3	螺丝	PA3*10mm	8
4	螺丝	PA2.3*8mm	2
5	螺丝	PWA2*8mm	6
6	螺丝	PT1.7*14mm	2
7	螺丝	PT1.7*8mm	1
8	防松螺母	M3	1
9	垫片	Ø3.2mm	1

零件包二

序 号	品 名	规 格	数 量
1	螺丝刀手柄	/	1
2	钢丝刀头	2.3	1
3	钢丝刀头	3.6	1
4	Y线	L=100mm	1
5	夹头	内径 Ø1.0mm	1
6	夹头	内径 Ø1.2mm	1
7	后起落架	/	1
8	后起落架拉簧	/	2
9	舵机钢丝	L=41.5mm Ø1.2mm	2

零件包三

序 号	品 名	规 格	数 量
1	螺旋桨整流罩	/	1
2	螺旋桨固定盘	/	1
3	螺旋桨	10*6二叶桨	1
4	螺旋桨定位圈	Ø2-5mm	1
5	主翼固定塑料件(前)	/	1
6	主翼固定塑料件(后)	/	1
7	垂尾固定塑料件	/	1
8	前起落架钢丝固定塑料件	/	2

## Install

### Note:

1. When install, please read the manual carefully. if you have any questions, kindly contact with your distributor, or contact us on [freewing@sz-freewing.com](mailto:freewing@sz-freewing.com)
2. Before install, please refer to P12 ,check the screw position.
3. Spareparts support , please visit [www.sz-freewing.com](http://www.sz-freewing.com) to search.

### 组装部份

#### 提示:

1. 组装过程中, 请仔细对照说明书, 如有任何疑问, 可以联系您购买产品的经销商, 或者联系我们公司邮箱 [freewing@sz-freewing.com](mailto:freewing@sz-freewing.com) 来寻求帮助。
2. 组装过程中, 请参考第12页, 查看螺丝正确的应用位置。
3. 配件支持, 请登陆我们公司的网址[www.sz-freewing.com](http://www.sz-freewing.com)进行查询。

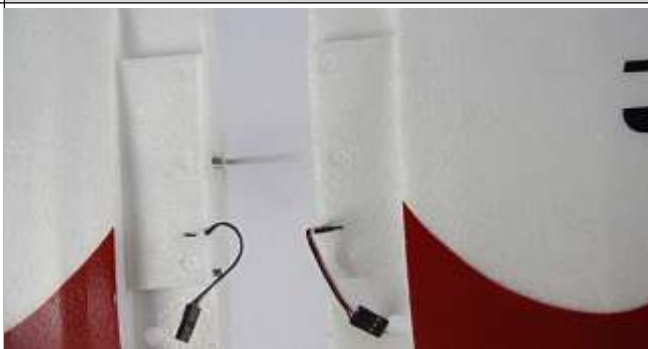
-Prepare to install the main wing as the right photo shown.

-如右图所示, 准备安装主翼。



-Insert the left , right main wing.

-将左、右主翼对插。



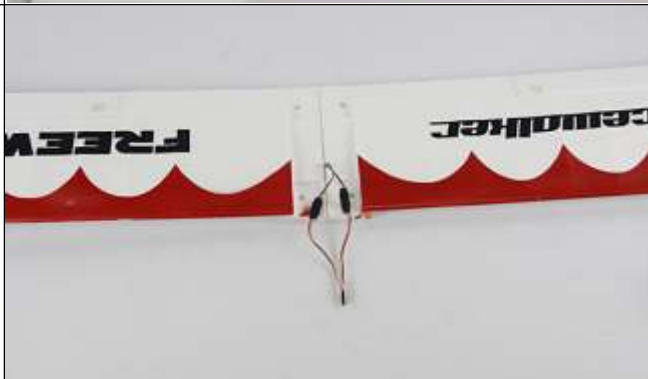
-Turn over the main wing, fix the left/right main wing to the indicated position by screws.

-翻转主翼, 在右图位置用螺丝固定左、右主翼。




-Connect left/right wing servo wire by Y-wire.






-用Y线连接左、右主翼舵机线。


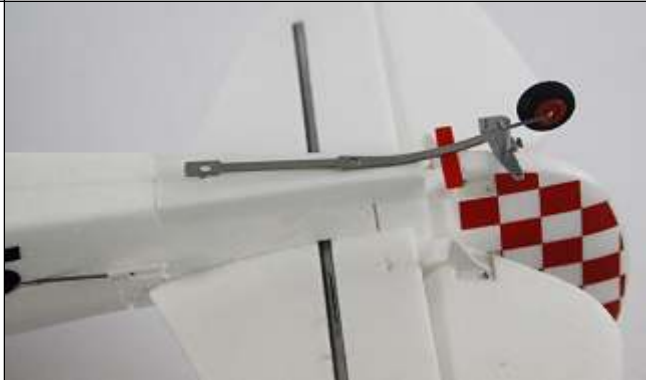
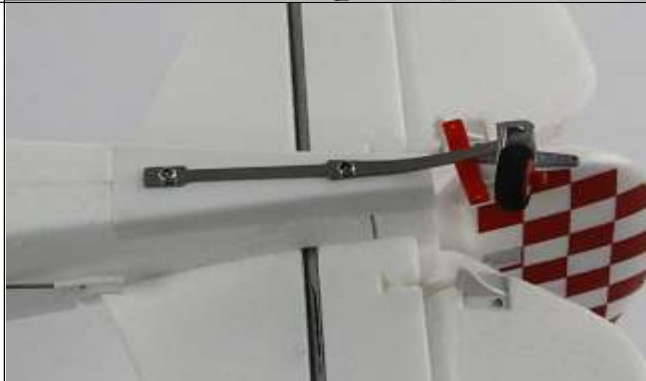





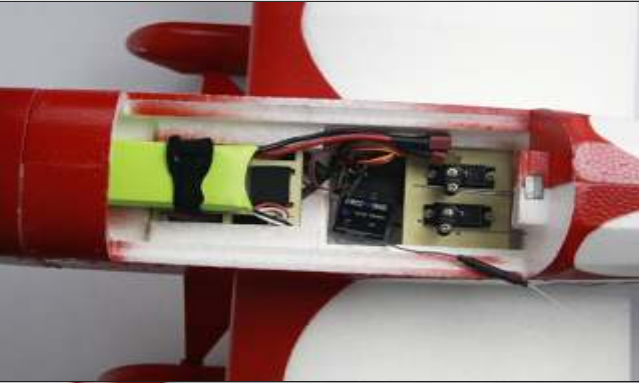



<p>-Remove the fuselage canopy.</p> <p>-取下机身座舱.</p>	
<p>-Turn over the fuselage, install the main wing on the fuselage.</p> <p>-翻转机身、将主翼安装到机身上。</p>	
<p>-Fix the main wing on the fuselage by plastic parts and screws.</p> <p>-使用塑料件及螺丝将主翼固定到机身上。</p>	
<p>-Prepare to install main landing gear as the right photo shown.</p> <p>-如右图所示，准备好起落架安装材料. 开始安装起落架.</p>	
<p>-Install the nose landing gear into the fuselage, pay attention of the direction.</p> <p>-首先将前轮安装到机腹塑料件内，并注意方向.</p>	



<p>-Fix the nose landing gear by plastic parts and screws.</p> <p>-使用起落架固定塑料件及螺丝固定前起落架。</p>	
<p>-Finish to install as the right photo shown.</p> <p>-安装完成后，效果如右图所示。</p>	
<p>-Install the tail wing and tail wheel.</p> <p>-如右图所示，安装尾翼套件及尾轮。</p>	
<p>-Insert the rudder into the elevator.</p> <p>-垂尾插入平尾.</p>	
<p>-Install the tail wing set on the fuselage.</p> <p>-把安装好的尾翼套件安装到机身上。</p>	

<p>-Fix the tail wing on the fuselage by plastic parts and screws.</p> <p>-用尾翼固定塑料件固定尾翼套件。</p>	
<p>-Install rear wheel supporting parts.</p> <p>-安装尾轮支架。</p>	
<p>-Fix the rear wheel supporting part and tail wing set by screws.</p> <p>-使用螺丝固定尾轮支架及尾翼套件。</p>	
<p>-Install tail wing steering spring.</p> <p>-安装尾翼转向拉簧。</p>	
<p>-Finish to install as the right photo shown.</p> <p>-飞机组装完成后，效果如右图所示。</p>	

<p>-Prepare transmitter, receiver, battery to adjust the aircraft.</p> <p>1.Install 8pcs 5# AAA battery into the transmitter.</p> <p>2.Please make sure the battery is full power.</p> <p>-准备发射机、接收机、电池来调校飞机。</p> <p>1.发射机需使用8节5号电池进行供电；</p> <p>2.请确认聚合物电池已经充电饱满,达到11.1V。</p>	
<p>-Kinds of parts put in battery cabin, as the right photo shown.</p> <p>-The battery specification we advise is as below: 3S 1600mAh 20C ~ 3S 2200mAh 20c</p> <p>-电池舱内各种配件摆放位置如右图所示。</p> <p>-我们建议使用的电池规格范围如下： 3S 1600mAh 20C ~ 3S 2200mAh 20c</p>	
<p>-Make sure the servos are in the center, through turning plastic chuck to adjust the rod length. Every wing centered is the key factor of successful flight.</p> <p>-如右图所示，在舵机居中的情况下,旋转塑料夹头调整控制钢丝长短。达到调平翼面的目的。居中翼面是飞行成功的关键要素之一。</p>	
<p style="text-align: center;"><b>Preflight</b></p> <p>After check everything before flight, as a beginner, we should pay attention of following issues, to make sure our flight is successful.</p> <ol style="list-style-type: none"> <li>1. When use radio set, make sure switch on the transmitter power firstly, then power on the receiver.</li> <li>2. Before flight, under power on condition, push up and down the throttle and check the motor/ESC work well.</li> <li>3. Before flight, check well the plane's center of gravity. Correct CG is the key factor of successful flight. Please refer to P11 to check the center of gravity.</li> <li>4. No matter take-off on the road or hand launch, we must upwind to take off.</li> <li>5. After take off, if any unusual flight or hard to control, we should pull high the plane, then trim to adjust according to the actual situation to maintain it level flight.</li> <li>6. When the transmitter alarm, you must end your flight as soon as possible and operate to its landing, to avoid the radio will be out of control since of low voltage.</li> <li>7. If any damage in flight, please purchase the spareparts from your distributor or refer to <a href="http://www.sz-freewing.com">www.sz-freewing.com</a> to check.</li> </ol> <p style="text-align: center;"><b>飞行注意事项</b></p> <p>在完成飞行前的检查之后，对于我们初学者，我们应该在飞行前及飞行中注意下面一些问题。这样，会使我们的飞行更加成功。</p> <ol style="list-style-type: none"> <li>1、在正常使用遥控设备时，必须保证先打开发射机电源，然后再将接收机通电。</li> <li>2、在飞行前，通电状态下,应反复上、下推动油门,检验马达与电子调速器的工作状态是否良好。</li> <li>3、飞行前,必须确认飞机的重心位置.正确的重心位置是获得成功飞行关键因素.请参考P11来确认飞机的重心位置.</li> <li>4、不管是选择滑跑起飞或者是手掷起飞，我们都应该迎风起飞。</li> <li>5、飞机起飞后，发现飞行姿态有异常或难以控制时，我们应当尽量拉高飞机，然后根据飞机的实际情况，调整飞机的微调开关。使飞机可以保持平飞。</li> <li>6、当发射机发出报警音后，应尽快结束飞行,操纵模型飞机着陆，避免低电压造成遥控设备失控。</li> <li>7、在飞行过程中,如发生损坏,请联系您的模型商购买配件.请参考我们的网站:<a href="http://www.sz-freewing.com">www.sz-freewing.com</a>查询。</li> </ol>	

# Operating instruction of Radio Control

1. Radio include the transmitter and receiver.



2. Radio function introduction (Mode 2)



- |                          |                         |
|--------------------------|-------------------------|
| 1. Gear Switch (For 6CH) | 5. Power indicator      |
| 2. Flap Switch (For 6CH) | 6. Delta                |
| 3. D/R (For 6CH)         | 7. Reverse              |
| 4. Trim                  | 8. Neckstrap Attachment |



- |              |       |
|--------------|-------|
| Aileron      | → Ch1 |
| Elevator     | → Ch2 |
| Throttle     | → Ch3 |
| Rudder       | → Ch4 |
| Landing Gear | → Ch5 |
| Flaps        | → CH6 |

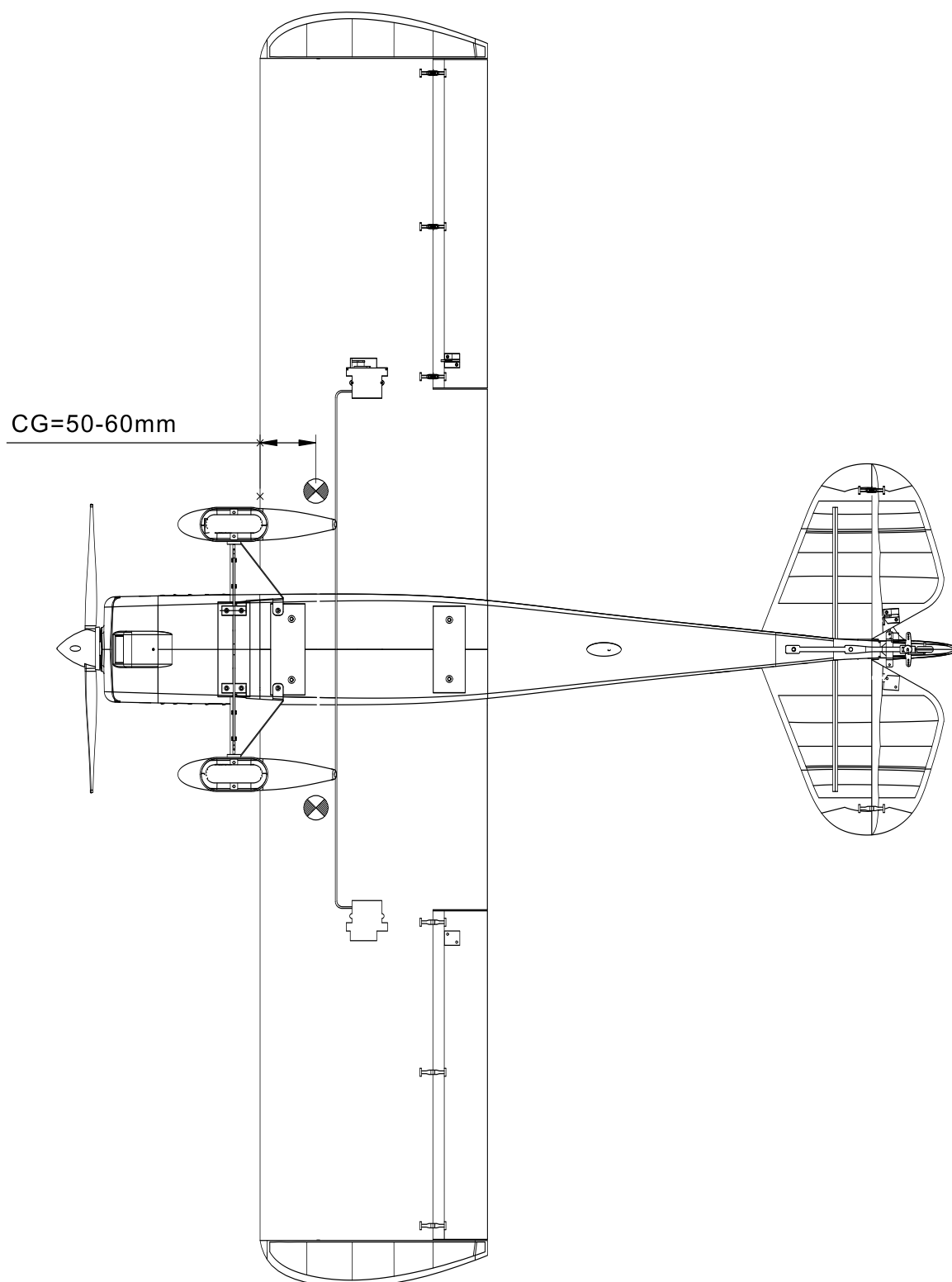
**Note:** The factory have bind the aircraft and transmitter, you can use directly. In exceptional circumstances, it need to re-frequency, please set up as following method.

- Press on the receiver Frequency switch.
- While press on the receiver frequency switch, the receiver power on.  
(Now receiver frequency signal light should be continued flashing.)
- Switch on transmitter. ( Red/yellow/green, the three LED signal light in transmitter should be continued flashing.)
- Release the receiver frequency switch.
- After the success of frequency, receiver frequency signal light and transmitter signal light are "lights on", not flashing.

## Center of Gravity

Check the aircraft center of gravity ,wrong center of gravity will lead to failure fly.  
(Please refer to the following photo to check CG.)

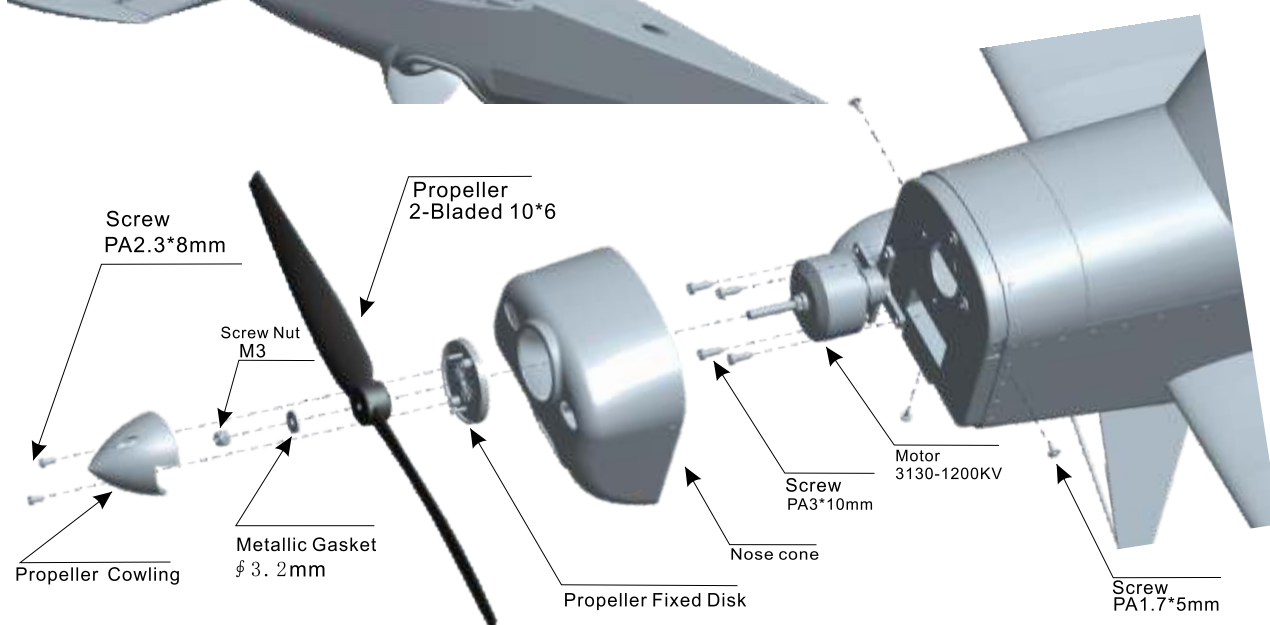
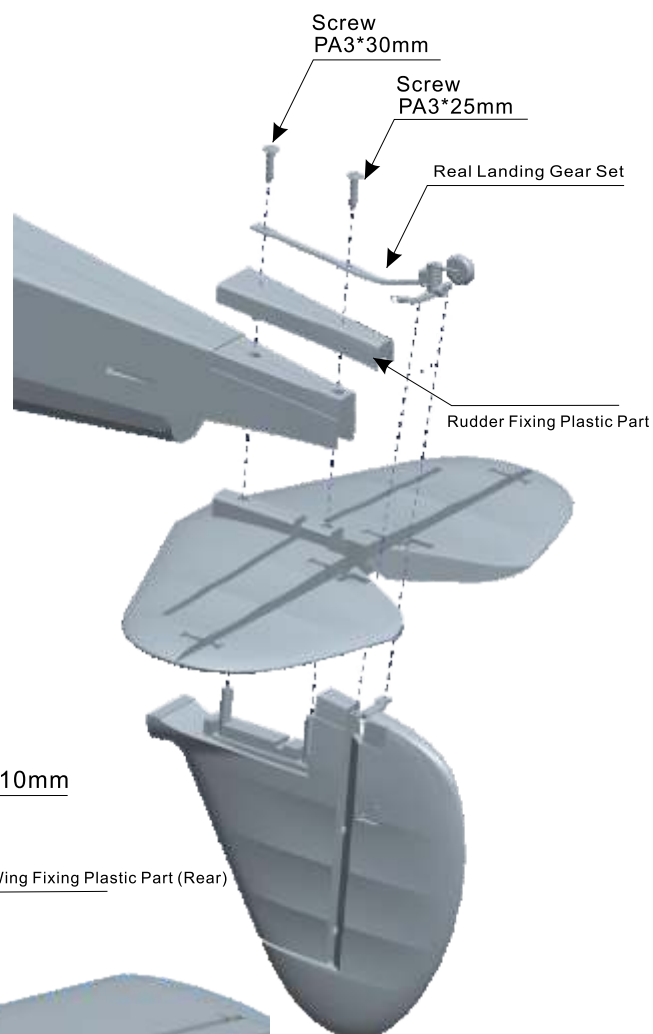
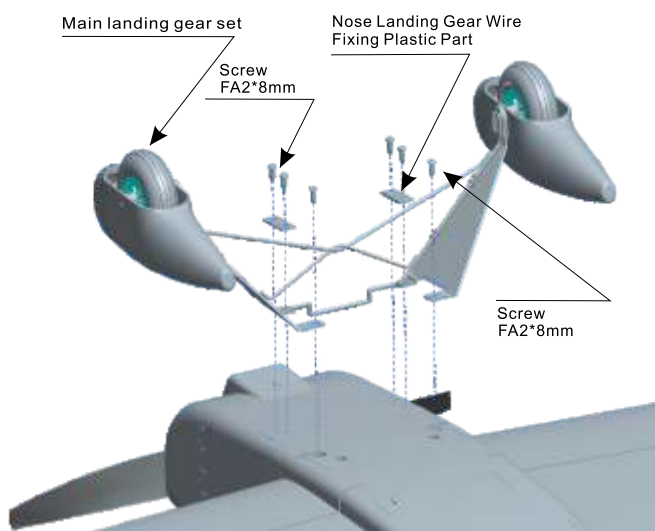
我们在飞行前需要确认飞机的重心位置，错误的重心位置可能会导致您的飞行失败。  
(请参考下列图片所标示的重心位来调整飞机的重心。)





## “Spacewalker” Assemble Photo

### “Spacewalker” 组装图解



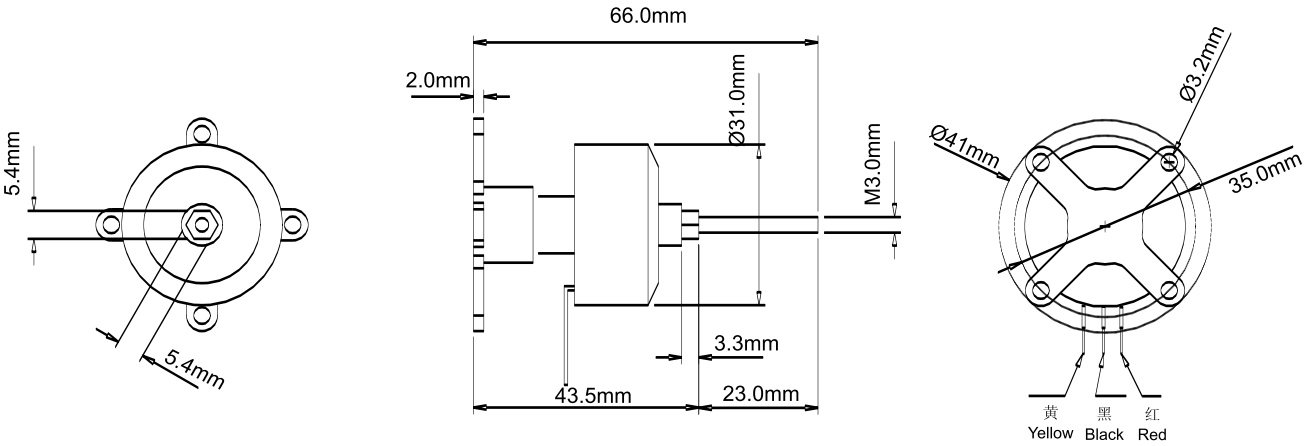
Spacewalker

Item No.: F3701  
产品编号: F3701

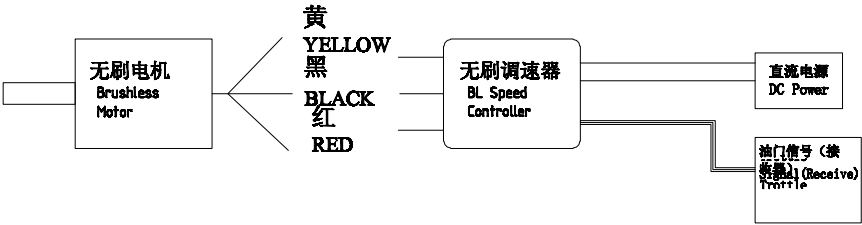


# Motor Specification

电机参数



接线示意图:  
Sketch Map



Model	KV Value	Volute (V)	Current (A)	Pull (g)	RPM	Weight (g)	G/A	No Load Current	Prop	ESC
3130-1200	1200RPM/V	11.1	21	1160	----	58	47.2	11.1V/1.0	2-Bladed Propeller10*6	30A



Have Fun!  
We hope that you have many pleasant  
flights with your Spacewalker !



**Shenzhen Freewing Model Co.,Ltd**  
**HK Freewing Model International Limited**

Add.:FeiYi Building,face to Labor Bureau, Fumin Middle Road, Dalang Town,  
Dongguan City, Guangdong Province, China  
Web: <http://www.sz-freewing.com>  
Email: [freewing@sz-freewing.com](mailto:freewing@sz-freewing.com)  
Tel: 86-769-82669669 Fax:86-769-82033233