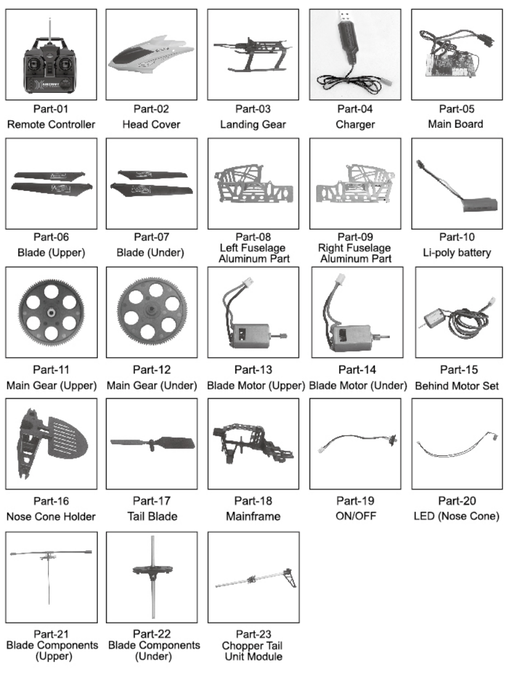
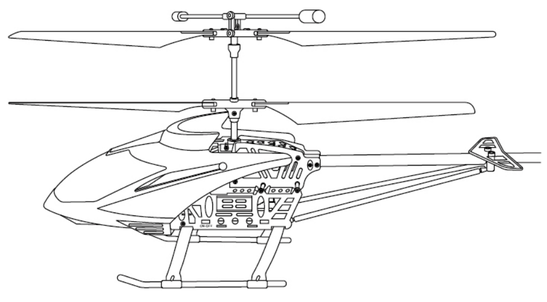
PARTS ARE ALTERNATICE



适合14岁以上

R/C HELICOPTER

Alloy Structure



无线遥控直升机使用说明书

1.智能化控制系统。
2.全比例遥控。
3.360度准确定向。
4.平滑悬空性能。
5.新研发节电功能。
6.呵护电池模式，延长使用寿命。
7.人性化操作软件控制系统。

使用前先完整阅读说明书（注意部分请详细阅读）
保存好此说明书以供日后使用参照。

操纵方法

上升	当左操纵杆（油门）向上推，主旋翼转速增大，直升机升高。		
下降	当左操纵杆（油门）向下推，主旋翼转速减慢，直升机下降。		
转向	当右操纵杆（转向舵）向左推，直升机机头向左转。向右推，直升机机头向右转。		
前进	当右操纵杆（转向舵）向上推，直升机机头向下。直升机向前前进。		
后退	当右操纵杆（转向舵）向下推，直升机机头向上。直升机向后后退。		

特别提示

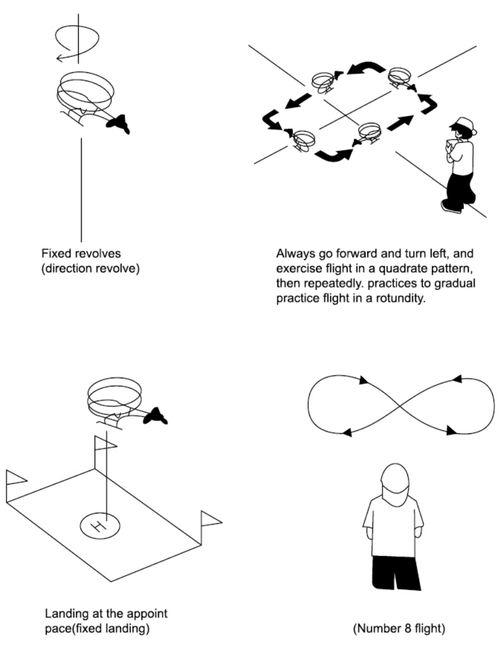
飞行中如果没有推动方向操作杆，直升机仍然在空中打转，这时可以调节方向舵微旋调钮，调到不打转为止。
（如果直升机在空中机头朝顺时针打转时，可以调节方向舵向左边旋转，反之则可调节向右边旋转；若调节左右微调旋钮均无效，请将直升机着陆并将直升机的电源开关从“ON”拨至“OFF”，再拨至“ON”，将直升机重新升空再调节左右微调旋钮。）

注 意
当飞机在离地面30cm的位置，直升机会受到自身桨叶涡流的影响而变得不稳定，这就叫“地效反应”当飞机的重量越低时，地效反应的影响越大。

当直升机机头逆时针打转时，可向右调节方向舵微调旋钮，直到直升机不打转为止。		向右调节
当直升机机头顺时针打转时，可向左调节方向舵微调旋钮，直到直升机不打转为止。		向左调节

FLYING PRACTICE

After the enough practice, you can attempts follwing flying practice



CONTROL METHOD

Ascend	When you push up the left stick (throttle stick)the spinning speed of the main rotor blade is increase and the helicopter begin to ascend.	
Descend	When you pull down the left stick (throttle stick)the spinning speed of the main rotor blade is decrease and the helicopter begin to descend.	
Steering	1.when the right stick(rudder stick)is moving to left, the head of the helicopter turns to left. 2.when the right stick(rudder stick)is moving to Right, the head of the helicopter turns to right.	
Forward	When you push up the right control lever(steering rudder), the nose incline to down, the helicopter is moving to forward	
Backward	When you push down the right control lever(steering rudder), the nose incline to up, the helicopter is moving to backward.	

SPECIAL PROMPT

If helicopter flies, rotating in the air without pulling control stick, then you can stop the fly, use screw driver to adjust the potentiometer on chopper circuit board tightly till it is steady. Then adjust the hard adjustment till it stop revolving.(If helicopter is revolving in the air yet you do not make action to the rudder, you can use the fine-turn-button on it to make helicopter stop revolving and back to the balance. If head of helicopter rotates clockwise, slowly touch fine-trun-button left of the rudder to keep it balanoe, and vice versa. But when this adjust action is usebess, make helicopter landing, turn off the power on it. Then you turn on the power of helicopter and launch it, adjust the fine-turn-button again.)

NOTICE
When the air pane away from the ground in 30cm position the helicopter will suffer by itself blade vortex to become unstable, we call it"effect response."when the helicopter weight lower, and the "effect response"effect will be bigger.

If head of helicopter rotates anticlockwise, lune the Rudder control clockwise to keep the helicopter.	Right
If head of helicopter rotates clockwise, lune the Rudder control Counterclockwise to keep the helicopter.	Left

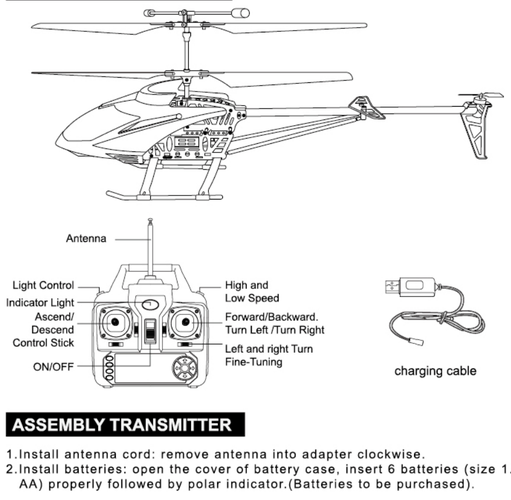
TROUBLE SHOOT AND DEALING WITH

PROBLEM	CAUSE	CHECK THIS
Controller doesn	1. Controllers power switch is "OFF".	1. Turn power switch"ON"
	2. Insert batteries into controller improperly	2. Confirm batteries be inserted accordcing to thier pole.
	3. Batteries lack of power.	3. Change new batteries instead.
Helicopter can not control the helicopter	1. You havent operated the controller.	1. Turn controller power switch"ON"
	2. Doesnt turn on controllers power switch.	2. Turn helicopters power switch"ON"
	3. Doesnt wirelessly connect the controller completely. or antenna isnt fully pulled out.	3. Wirelessly connect antenna completely and pull it out.
	4. You play the helicopter in strong winds weather.	4. Do not play the chopper in winds, which can confuse your control.
Helicopter can not rise	1. Main rotor blades rotate too slowly.	1. Pull up the throttle stick.
	2. Doesnt fully charge helicopters battery.	2. Full charge helicopter battery. (See instruction above)
Helicopter lant too fast.	You loose the throttle stick or pull is sown too fast.	Slowly pull down the throttle till the chopper landing smoothly.

CAUTION

1. The control distance will shorter when the quantity of electricity is not full.
2. When the quantity of the electricity of the helicopter is not full, the helicopter will difficulty or the height of fly is not enough.
3. If the helicopter become damaged, deformation, please repaired in time.
If the rotor become damaged or broken, do not fly, otherwise, it will lead to injury.
4. If you dont use the transmitter for a long time. Remove all batteries out, in order to avoid the battery leakage to damage this product.
5. Don't drop the helicopter from high position or crash it seriously,because that will damage it seriously or shorten the using time.

INCLUDED PARTS NAME:



ASSEMBLY TRANSMITTER

1.Install antenna cord: remove antenna into adapter clockwise.
2.Install batteries: open the cover of battery case, insert 6 batteries (size 1.5V AA) properly followed by polar indicator.(Batteries to be purchased).

Fig.1

NOTICE:
1.Install the battery must recognize the battery and battery box is precise.
2.Do not mix and old batteries together when in use.
3.Please don't mix different types of batteries when in use.

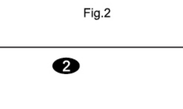


Fig.2

安全防范

警告

●本产品不是玩具，您必须确保安全操控，14岁以下的儿童不宜操控。
●如果您不具备丰富的操控经验。我们建议您在一位经验丰富的遥控飞行员的指导下学习操控，厂家和经销商不对产品的使用负任何责任。
●调试，飞行均需严格按照本说明书进行，确保手、脸及人体远离旋转部件。
●确保此直升机在室内或无风的室外飞行，禁止远动部件靠近他人并远离其他物体。
●停止飞行时，关闭发射机电源开关。
●本直升机配备的是锂聚合物电池，必须严格遵守锂聚合物电池的操作规范，否则可能发生事故，如燃烧，爆炸等。
●必须使用遥控器自带的充电系统或者使用本产品专用的充电器和电源适配器进行充电。
●每次充电完成后必须从电源插座上取下充电器和电源适配器。
●禁止在无人看管的情况下长时间充电，以免过充发生意外。
●禁止在阳光直射下或靠近火源处使用或放置锂电池，禁止把电池扔进火里。并确保电池处于干燥的环境中。
●禁止电池与金属物件一起储存或运输。
●禁止拆卸电池。
●禁止用潮湿的手接触充电器和电源适配器，以免发生意外。
●飞行时要远离其他电器设备、磁性物体、无线设备等，以免产生相互干扰的影响而导致意外。
●当电池电量指示灯闪烁时，表示遥控器电池电量不足，请停止飞行，并更换遥控器电池。
●锂电池使用安全准则
●在勿操作情况下，给锂电池充电可能引起火灾，人身伤害以及财产的损失。使用者必须意识到使用此类产品存在的风险。生产商、经销商和零售商不可能为所存在的事故承担责任，在使用该产品前请认真阅读指导说明、充电说明、电池的使用说明。
●若你不确定如何充电时，请向当地的航模商咨询。
警告：
●请将电池放在远离儿童和宠物的地方，18周岁以下使用者应该在成人监护下使用，14周岁以下儿童不宜操控。

解决问题指引

问 题	原 因	处 理 方 法
遥控器没有电源	1. 开/关擎在“OFF”的位置	1. 把开/关擎打在“ON”的位置
	2. 没有依正确电极指示放入电池。	2. 检查和确保电池是依照电池箱所指示的正负极放入
	3. 电池耗尽	3. 更换新电池
不能遥控	1. 没有开启遥控器	1. 把遥控器开/关擎拨向“ON”的位置
	2. 直升机开/关擎在“OFF”的位置	2. 把直升机开/关擎拨向“ON”的位置
	3. 没有拧紧遥控器的天线或天线未完全伸长	3. 确保把银色的天线拧入遥控器中和完全伸长
	4. 风力太大	4. 切勿在有风的情况下飞行，有风会对飞机造成局限，或会妨碍你的控制飞行
直升机不能升高	1. 旋翼转动速度太慢	1. 动力操纵杆向上推
	2. 直升机未完全充电	2. 为直升机完全充电
直升机很快便着陆	你太快的将动力操纵杆回拉	慢慢的回拉动力操纵杆让直升机慢慢着陆

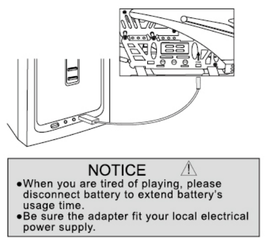
注意事项

1. 遥控器或直升机的电量不足时，遥控距离因受影响而距离较近。
2. 若直升机电量不足时，则会出现飞行高度不够或起飞困难。
3. 若直升机出现破损，变形请及时修理，严重者如旋翼断裂破损切勿飞行否则会导致受伤。
4. 长期不使用请将遥控器的电池取出，以免电池漏液造成对本产品的损坏。
5. 切不能让直升飞机高空坠机或严重碰撞，这样会损坏直升机或缩短直升机寿命。
6. 飞机在不玩耍时要把飞机的电池插头拔掉。

USING INSTRUCTIONS OF CHARGING POWER BATTERIES

First turn off the power switch of the helicopter, insert the USB plug of the charging cable into the USB socket of the computer, and connect the other end of the plug to the charging socket of the helicopter. When charging, the LED light will light up, when the charging is completed, the LED light will go out, and the charging time is about 120-180 minutes.

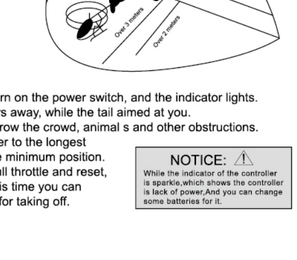
-Helicopter is equipped with a Li-Poly battery, please also pay attention to the following cautions for safety use.
-Do not use or leave the battery near a heat source such as fire or heater. Otherwise it can cause damage or explode.
-Do not immerse the battery in water, and keep the battery in a cool dry environment.
-When recharging, only use the battery charger specifically for that purpose.
-Do not disassemble the battery.
-Never leave the battery unattended during charging.



NOTICE
●When you are tired of playing, please disconnect battery to extend battery's usage time.
●Be sure the adapter fit your local electrical power supply.

ENVIRONMENT FOR FLIGHT:

1. Fly on a sunny day, without wind.
① Do not fly in extreme temperature.
Do not fly in temperature above 113 degrees Fahrenheit /45 degrees centigrade, orbelow 50 degrees Fahrenheit /10 degrees cen ti grade.
Flying in extreme heat and/of cold will affect performance and may damage the model.
② Do not fly in strong wind.
Windy conditions will limit, or disturb the flying control.
In very windy conditions, your helicopter may become lost and/or damaged.
2. Select a large, wide-open area for flying, and make sure is no obstructions, Animals or people nearby.



READY TO FLY

1.Lay your helicopter onto the ground, turn on the power switch, and the indicator lights.
2.Leave the helicopter at least two meters away, while the tail aimed at you.
3.Check that the helicopter be far away frow the crowd, animal s and other obstructions.
4.Pull the antenna of the remote controller to the longest and make sure the accelerator is at the minimum position. Turn on the remote controller, turn to full throttle and reset, the indicator light will be always on. This time you can use the remote controller and prepare for taking off.

NOTICE:
While the indicator of the controller is sparkle,which shows the controller is lack of power,And you can change some batteries for it.

电池充电使用说明

关闭直升机电源开关，把充电线的USB插头插入到电脑的USB插口上，另外一端插头与直升机的充电插口进行连接。当充电时，LED灯会亮起，充电完成时，LED灯熄灭，充电时间约为120-180分钟。

-此产品配备内置锂电池，使用要注意以下安全事项。
-切勿把带电电池放在高温受热的地方，如火或电热装置，否则会发生损坏或爆炸。
-切勿用电池锤击或敲打硬质物体表面。
-切勿把电池投入水中，电池应存放在干燥的地方。
-只能用本产品附带的充电器为产品充电。
-充电时人员切勿离开。

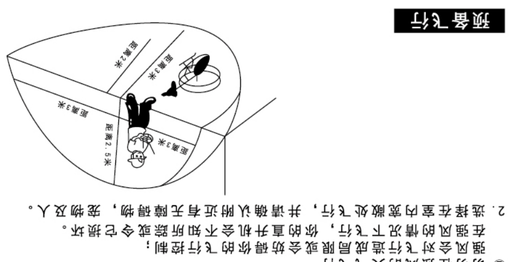
注 意
● 如果不飞行或五分钟内没有操作，请断开电池连接线，以防电池过度放电，如果连接器保持连接，有可能会因长时间的重量挤压而导致过度放电。
● 请配备适合你当地的电压。

飞行前环境

1. 在温暖晴朗没风的天气飞行。
① 切勿在气温极端的天气飞行；
切勿在温度高于华氏98.6度的天气飞行；
切勿在过热或过冷的天气飞行会影响飞行效果或损坏模型。
② 切勿在强风的天气飞行
强风会对飞行造成局限或会妨碍你的飞行控制；
在强风的情况下飞行，你的直升机会不知所踪或令它损坏。
2. 选择室内室外飞行，并清确认附近有无障碍物，宠物及人。

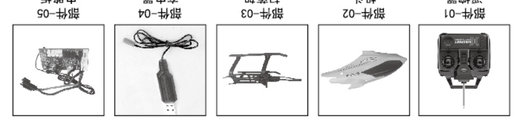
预备飞行

1. 将飞机平稳的放在水平的地面，打开飞机电源开关，机头灯点亮。
2. 请确保你位于直升机后面（尾翼对着你）最少2米的地方。
3. 重新检查场地，远离人群，动物或其他障碍物。
4. 把遥控器天线拉至最长，确保油门处于最小位置，打开遥控器电源开关，将遥控器油门推到最高位置，再复位。排示灯常亮。这时遥控器就能正常使用，你就可以预备起飞了。



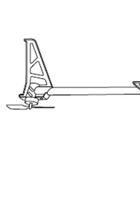
注 意
如果遥控器指示灯出现闪烁状态，表示电池电量不足，此时你必须为你的遥控器更换电池。

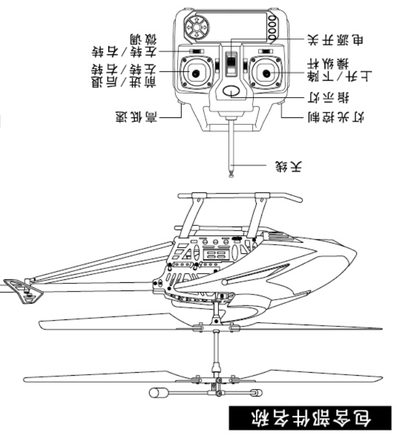
包含部件名称



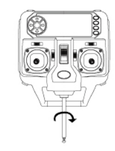
组装遥控器

1. 天线的安装：将天线顺时针转动装入遥控器的天线终端螺丝柱上。如图（1）
2. 电池的安装方法：打开遥控器背面的电池盖，依照电池箱的电极指示正确地放入6粒5号碱性电池（电池须另购）。如图（2）

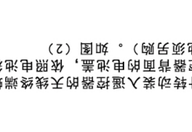




注意：1. 装入电池时必须认准正负极与电池盒正负极，切不能装反。
2. 请勿混合使用新旧电池。
3. 请勿混合使用不同类型的电池。



图一

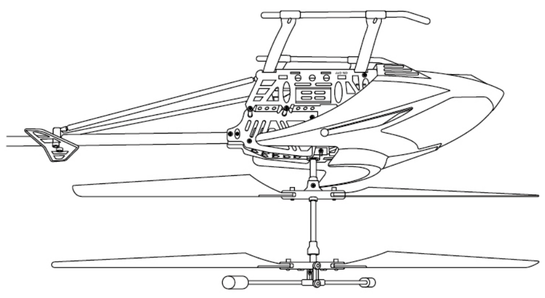


图二

R/C HELICOPTER

Alloy Structure

14+ AGE



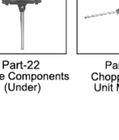
R/C HELICOPTER USING INSTRUCTION

1.Intellingentized R/C system.
2.Full scale remote contro.
3.360°exact directional.
4.Smooth hang performance.
5.Newly designed electricity saving function.
6.Safeguard battery model to prolong the uses life.
7.User-friendly operation Control Software system

Please read the instructions carefully before use. [Please read the Notice in details.]Please retain the instructions for future reference.

SAFETY

After starting the model, please dont touch the turn ing parts (including the gears and main rotor etc.),It may cause injure.



The motor is heated. While using or after using the model, the motor will be in high temperature. Never touch it until it cools down.

WARNING

•This product is not a toy. Be sure that you can control and operate it safely and it is not suitable for children under 14.
•If not have rich experience of controlling and operating the product, you are suggested to learn it under the guidance of an experienced RC pilot. Manufacturer and dealer will not take any responsibility of the using of the product.
•Debugging and flight should be carried out strictly in accordance with it Manual and make sure to keep your hands, face and body away from the revolving parts.
•Be sure to fly the helicopter indoors or in a windless outdoor place. Keep the moving parts away from the other people and objects.
•While stopping flying, off the switch of the transmitter power.
•Lithium poly ner battery i ln cluded with this helicopter. Users are required to obey the operating regulation of the lithium battery otherwise it may cause accidents like burning, explodind and so on.
•Charge the prnduct by using the charging system included with the controller or the product's special charge and power adapter.
•To avoid accidents happening, never charge the product for a long time without anybody's watching.
•Never place the lithium battery in the direct sunlight or near fire. Never throw the battery into fire. Be sure to keep the battery in the dry environment.
•Never transport the battery and metal objects together.
•Never disassemble the battery.
•Never touch the charger or the power adapter with wet hands as to avoid accidents.
•While flying, do keep it away from the other electrical equionments, magnetic objects or radio devices so as to avoid accidents caused by interference and affection with each other.
•When battery power indicator light is twinkle, it shows that power of controller battery is insufficient, please stop flying and replace the controller batter.
•Guidelines for using lithium battery safely.
• In the case of not operating, changing the lithium battery may cause fire, personal injury and property loss. Users should be aware of the existence of risk while using such products. it is impossible of the manufacturer, dealers and retailers to take the responsibility for the existence of accidents. Please carefully read the instruction of guidance, changing and using battery before usage of the product.
•If you are not sure how to charge the battery, please consult the local aeromodelling dealers.
warning:
•Keep the batter away from the children and pets. Users under the age of 18 should be used in adult's guardianship and users under the age of 14 are not suitable to operate the product.

天乐玩具NO.1314-中英文说明书SIZE:14.25X21.5cm
设计 | 黑 | 青 | 黄 | 数据校对人员姓名负责!
TEL:0755-27151416 2015-1-14

FCC statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

--Reorient or relocate the receiving antenna.

--Increase the separation between the equipment and receiver.

--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

--Consult the dealer or an experienced radio/TV technician for help.