

GETTING READY FOR FLYING

First, you need a suitable place for flying. For example a big room or a small meeting room without obstructs. And make sure there is no airflow in the room. You had better use the smooth ground to help the wheels glide on the ground such as the tiles; if there is a carpet on the ground, the wheels may trip over and the helicopter will turn over. Next, please check the power of fuselage batteries and the batteries in the remote controller if it is full enough. And check the parts of helicopter if they are fine and the screws and rotation parts are firm. If you find any problem, please mend or change it in time.

Turn on the switch of the remote controller and take hold of the bottom of the helicopter by your left hand. And let the rotor blades be away from your hands and body. Install the fuselage power batteries and turn on the power switch, the helicopter is standing by your order. You can pull the elevator up slowly, and the rotor will speed up. Please watch the rotor motion if it is steady or there is any tremble. If the motion contrail of the up propeller overlaps the down propeller or the motion is unsteady. Please adjust or change the propellers at once.

When this model helicopter is filed by the children, the children must operate it with the adult or the specialty person's guide.

This helicopter is being equipped with the chargeable batteries of the fuselage. But you need to buy the batteries of the emitter in addition. Please charge the chargeable batteries before flying and make sure they are full. And the voltage of the emitter must be full, too.

This model helicopter must fly in the environment without wind. You must adjust it and make sure it is in balance both static and dynamic state, and all the parts are fixed and agile before flying. Make sure the voltage of the emitter batteries (remote controller batteries) and the receiver batteries are in normal before flying.

The adjustment of the static state

Hint specially:

Install the fuselage batteries in the battery house first. Don't turn on the power. Let the fuselage and the main rotor in balance. Take hold of the aileron pole of helicopter by hands and watch the center of gravity of the helicopter. And adjust the forward & backward position of the batteries and make the helicopter keep in balance. The battery lead the ex-airplane headway speed and will lead quickly.

The adjustment of the dynamic state

Turn on the power of the remote controller, then the power of the fuselage. At this moment the helicopter is standing by flying. Pull the throttle controller from down to up and the rotation speed of the main rotor will speed up. Before the helicopter is taking off, please watch the motion if it is correct. If there is any question, please check and solve it and then begin to fly.



Notice: You can use a red sign stick at the end of one of the propellers. It's easy for you to check the accident and the "double propellers" if they overlap.

Up main propeller: Please see Picture A, stick the sign at the end of the right side of up main propeller.

Down main propeller: Please see Picture B, stick the sign at the end of the left side of down main propeller.

9

目 录

警告	3
注意	3
“阿帕奇”直升机简介	4
遥控器说明	4
操作说明	5
直升飞机结构图	6
零件目录表	7
飞行原理	8
飞行前的准备	9
电池的充电与维护	10
常见问题及解决方法	11

2



警告

1. 只使用飞机所配的充电器，使用任何其它的充电器可能会产生损害。
2. 当充电器插到插座上时，不要盖住它或将其它东西放在上面。否则会导致充电器温度上升甚至烧坏。
3. 要小心电击，不要用湿手触摸AC，充电器应保持干燥防止受潮。
4. 每次用完后请从插座上取下充电器。
5. 如果线路损坏，接触不良，请立即停止使用，更换充电器。充电器应当与当地的电源吻合使用。
6. 充电器使用前，应仔细认清充电器适应的电源电压。充电电流，计算出大约充电时间。（标准充电时间为120分钟）
7. 不要私自拆装充电器。
8. 天气炎热时不要将电池，充电器放在车内。
9. 不要把充电器浸进水里或扔进火里，或对充电器进行改装或焊接。
10. 不要在火旁，高温下或潮湿的地方使用或存放充电器及电池。
11. 飞机飞行后电动机可能会发烫，不要接触。否则，可能会烫伤。

特别注意

电池及充电器均为外购产品，我们虽对其质量严格把关，但在使用中仍需小心，不要将电池在无人看管的情况下长时间充电，以免发生意外。



注意

1. 在同一区域内请不要同时使用同一频率的飞机，否则会造成相互干扰。
2. 本飞机只适合在平稳的气流下飞行。
3. 不要在人群，宠物，或其他任何障碍物附近飞行。
4. 不要拆卸或改装飞机。拆卸或改装可能会使飞机出现故障。
5. 手脸部位要远离旋转部件。要小心头发和衣服运转时不要碰到飞机上。
6. 为确保飞机高速飞行时的安全性，不要坐在椅子或地板上操控飞机，必须站着操作，保证必要时能快速移动。
7. 当手离开遥控器时，确保遥控器开关是关闭的，飞机暂停飞行时应关闭开关。
8. 因为高速旋转的螺旋桨有可能导致事故的发生，飞行前应仔细检查旋转部分固定螺丝等有无松动，操控者应戴好眼镜。同时不要让小孩靠近。
9. 飞机是很精致的东西，操作不当或碰撞都有可能损坏，为确保安全使用，必须仔细阅读本说明书。耐心，反复训练。
10. 为安全起见，不要使用已损坏或已变形的零部件。
11. 有些零部件很小，很锋利，有些是金属制成的，使用时要特别小心，不要让小孩子误咽或造成其它伤害。如果不幸发生以上情况，要马上送医院。要保证这些零部件放在小孩子拿不到的地方。
12. 产品规格，形状等在未有预先通知的情况下可能会作出改变。
13. 飞机要在尽可能远离其它电器设备和强磁源的地方使用。

3



FLYING PRINCIPLE



1. Suspending (Picture 1)

When you turn on the power of the helicopter, it is standing by. It will do the right actions when it receives the signal from the emitter. (The remote control area must be within 100M.)

When the elevator of the remote controller is pushed up slowly, the rotation main rotor will speed up step by step. The propeller will make raise force up, too. When the raise force is larger than the weight of the helicopter, it will climb up. When the raise force is the same as the weight of the helicopter, it will suspend in the sky. (When the helicopter is stay there, the other operations must be in the middle state.)



2. Left & Right Turning (Picture 2)

When you pull the rudder in the remote controller left, or pull it right. The up and down propellers will speed up and down. They make the different speed. When you pull the rudder right, the down propeller will speed up and increase the left torsion. If the left torsion is larger than the right torsion of the up propeller, the tail will turn left and the fuselage will turn right. Otherwise, when you pull the rudder left, the tail will turn right and the fuselage will turn left.



8