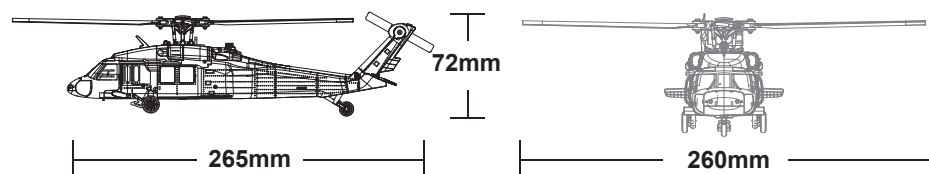


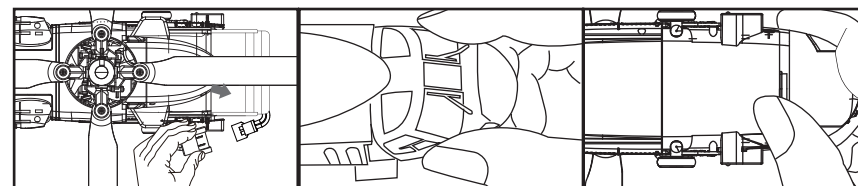
## Helicopter Parameters 飞机参数

Length about	长度约	265mm
Height about	高度约	72mm
Weight about	重量约	98g (Including battery 含电池)
Propeller length about	主桨长度约	260
Tail rotor diameter about	尾桨直径约	56 mm
Battery Specification	电池规格	3.8v 800mah 20c
Flight time approximately	飞行时间约	8 min
Main Motor	主马达	1106
Tail motor	尾马达	720



## Packaging List 包装清单

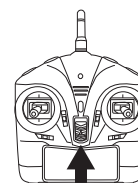
NO	PART NAME	零件名称	QUANTITY
1	Gift box	包装彩盒	1
2	Instruction	使用说明书	1
3	Helicopter	直升机	1
4	Transmitter	遥控器	1
5	USB charger part	USB充电器	1
6	lithium battery	锂电池	1
7	Main pulp	主桨	4
8	Big Gear	大齿轮	1
9	Tail slurry	尾桨	1
10	Screwdriver	螺丝刀	1
11	Allen wrench	内六角扳手	1



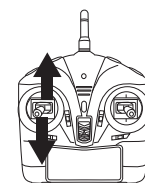
Remove Hood and install battery to receive power  
取下机头罩装上电池、接收电源

First, install the buckle on the head cover into the slot of the chassis  
先将机头罩上面卡扣装到机壳卡槽

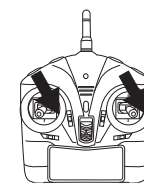
Press the casing upwards and install the buckle under the head cover into the slot at the bottom of the casing  
往上压一下机壳把机头罩下面卡扣装机壳底部卡槽



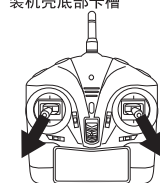
Turn on the power switch  
打开电源开关



Up and down push-pull rocker pair frequency  
上下推拉摇杆对频



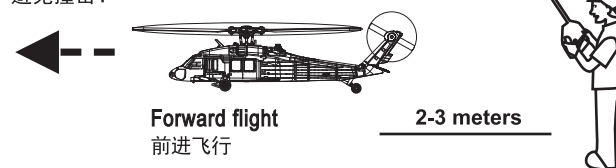
Also calibrate to the lower right corner  
同时往右下角校准水平



Outer eight unlocks start motor  
外八解锁启动马达

**Note:** 1. Beginners please pay attention to the direction of flight, try to make sure that the aircraft head at the front, so as to avoid operational errors caused damage!  
2. Just began to control the aircraft, rocker control volume do not be too large, out of control range of throttle landing in time to avoid impact!

注意: 1. 初学者请注意飞行方向, 尽量保证飞机头部对准前方, 以免操作失误造成损伤!  
2. 刚开始操控飞机, 摇杆控制量不要幅度太大, 超出掌控范围及时收油门降落, 避免撞击!



## Calibration gyroscope, left-right conversion, and one click takeoff function introduction 校准陀螺仪、左右转换、一键起飞功能介绍

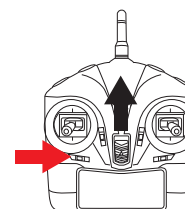
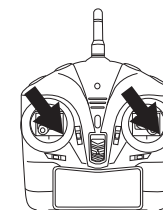
**1. Recalibrate the gyroscope:** when the plane goes off-course during the flight, land the plane and recalibrate the gyroscope. **Step 1:** place the plane at rest on the ground level, after the aircraft indicator flashing release, such as the indicator light long light calibration completed.

1. 校准陀螺仪: 当飞行过程中出现偏航, 将飞机降落重新校准一下陀螺仪  
操作步骤: 飞机静止放置在水平地面, 遥控左右摇杆同时往右下角长按嘀一声, 飞机指示灯闪烁后松开, 等指示灯长亮校准完成。

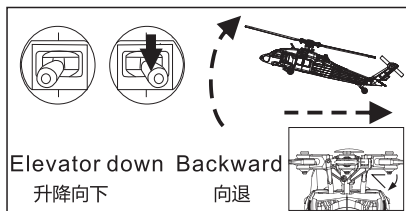
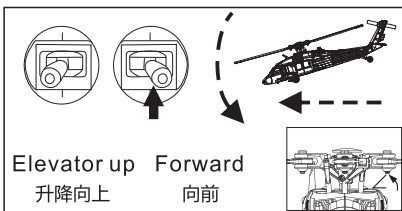
**2. Switch left, right hand will fine-tune the lower left to the right long press boot, up and down to push and pull throttle rocker click conversion completed, switch left hand push and pull left rocker, right hand push and pull right rocker.**

2. 左、右手切换

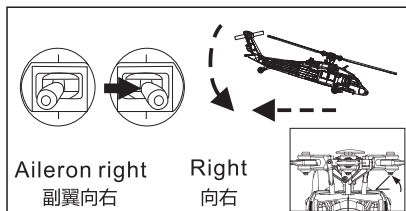
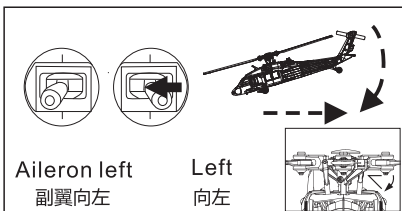
将左下角微调往右长按开机, 上下推拉一下油门摇杆嘀的一声转换完成, 切换左手推拉左边摇杆、右手推拉右边摇杆。



## Elevator 升降



## Aileron 副翼



## Flight Operation Steps 飞行操作步骤

1. Turn on the power switch of the remote control.
2. Remove the hood from the aircraft and place the battery in a battery tank and attach the power cord
3. The lights of the aircraft and the remote control flash at the same time. At this time, push the remote control throttle stick up to the end and pull it down quickly, and the remote control makes a beep. The indicator lights of the aircraft and the remote control are always on, and the code matching is completed.
4. First calibrate the aircraft gyroscope, then unlock the outer eight and start the aircraft (Both manual takeoff and one key takeoff can only be operated after the aircraft indicator light flashes and becomes longer.)
5. Keep the aircraft's head aligned with the front and maintain a safe distance of 2-3 meters from the helicopter.
6. When the helicopter is manually operated, please keep the joystick down for 2-3 seconds, and then release the joystick after the propeller stops rotating completely.  
(This action is not required for landing with one key)

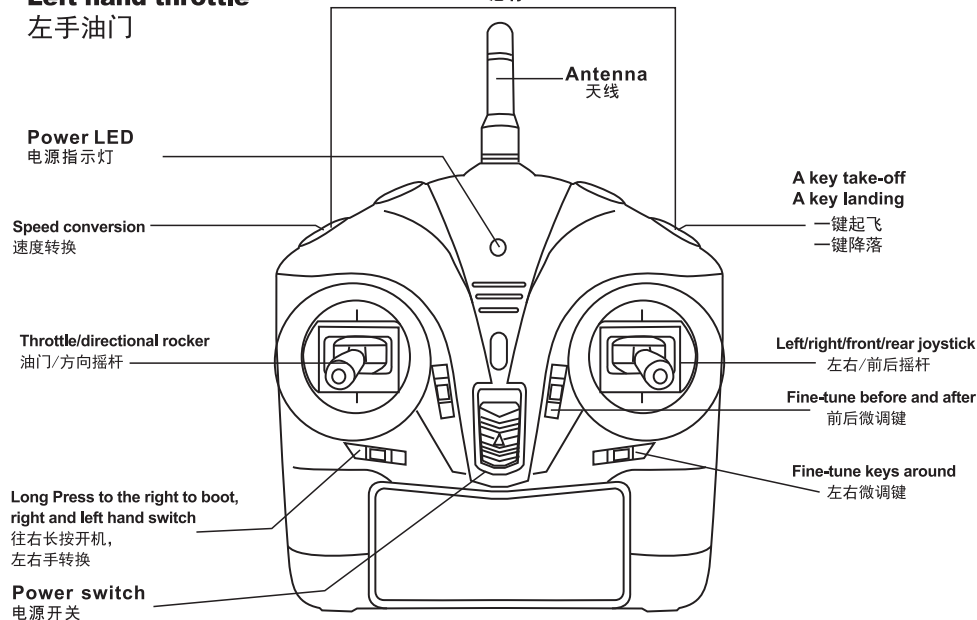
1. 打开遥控器电源开关。
2. 将飞机机头罩取出，然后把电池装入电池槽在接上电源线。
3. 飞机和遥控器灯光同时闪烁，此时将遥控器油门摇杆向上推到底并迅速拉下来，遥控器滴一声响，飞机和遥控器指示灯常亮，对码完成。
4. 先校准飞机陀螺仪，然后外八解锁启动飞机（手动起飞、一键起飞都要等飞机指示灯闪烁变长亮才可操作）
5. 保持飞机头部对准前方，与直升机保持2-3米安全距离。
6. 当手动操作直升机降落后，请保持油门摇杆向下位置2-3秒钟，等螺旋桨完全停止转动后再松开摇杆（使用一键降落不需此动作）

**Note:** 1. After the helicopter flies up, the eye must not look at with the helicopter, so as to avoid accidental injury.  
2. Please make sure that there is no remote control of the same model to open, so as not to affect the code.  
3. Recalibrate the plane when you change the environment to operate it. Operation Steps: the plane placed on the horizontal ground, remote control of the lower right-hand side of the rocker at the same time a click, the aircraft indicator flashing release rocker, the length of light calibration completed.

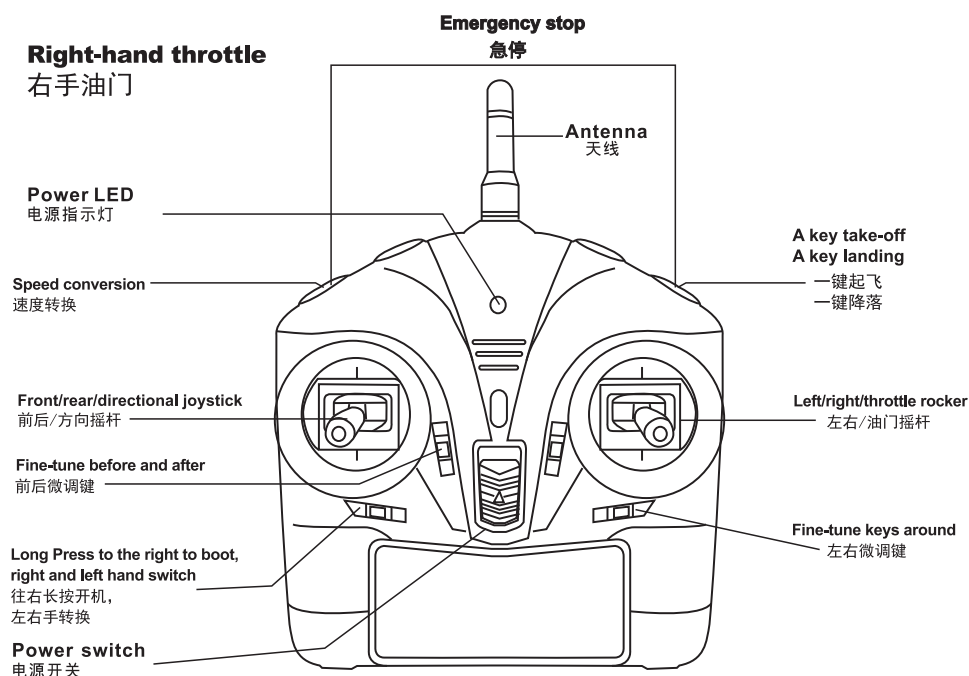
注意: 1. 直升机飞起来后，眼睛切勿与直升机平视，以免误伤。  
2. 对码时请确定周围没有同一型号遥控器打开，以免影响对码。  
3. 当换新环境操控的时候，要重新校准一下飞机水平。操作步骤：飞机放置水平地面，遥控左右摇杆同时往右下角滴一声，飞机指示灯同时闪烁松开摇杆，变长亮校准完成。

## Remote control function description 遥控器功能说明

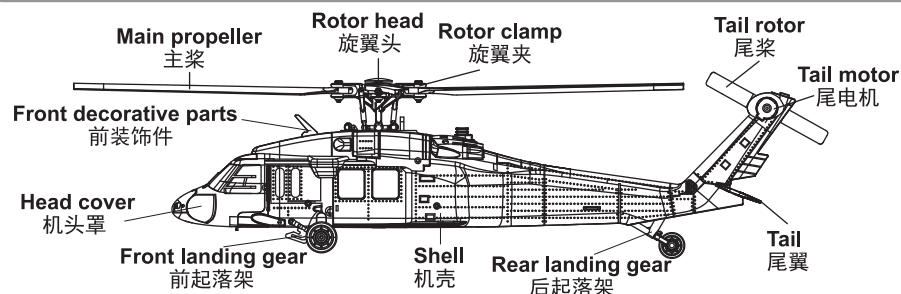
### Left hand throttle 左手油门



### Right-hand throttle 右手油门



## Name of helicopter parts 直升机零件名称



## Battery charging operation 电池充电操作

### Charging operation 1: Charging battery by power bank

充电操作1: 使用手机充电宝给电池充电

1. Connect the phone power bank to the standard USB charger, and the green light will remain on when the battery is not connected and powered on.
2. Connect the battery to a USB charger. If the red light stays on, it means the battery is charging. If the red light goes out and the green light stays on, it means the battery is fully charged.

1. 使用标配的USB充电器连接手机充电宝，没接电池通电绿灯长亮。
2. 将电池连接到USB充电器，红灯常亮表示正在充电，红灯熄灭绿灯长亮表示电池已经充满。

### Charging operation 2: Charge the battery with a mobile phone power adapter

充电操作2: 使用手机电源适配器给电池充电

1. Connect the phone power adapter to the standard USB charger. If the battery is not connected, the green light will remain on.
2. Connect the battery to a USB charger. If the red light stays on, it indicates that the battery is charging. If the red light goes out and the green light stays on, it indicates that the battery is fully charged.

1. 使用标配的USB充电器连接手机电源适配器没接电池通电绿灯长亮。
2. 将电池连接到USB充电器，红灯常亮表示正在充电，红灯熄灭绿灯长亮表示电池已经充满。

### Charging operation 3: Charge the battery using the computer USB port

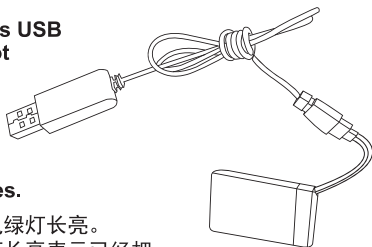
充电操作3: 使用电脑USB端口给电池充电

1. Connect the standard USB charger to the computer's USB port. The green light stays on when the battery is not connected and powered on.
2. Connect the battery to the charger. When the red light is on, it indicates charging. When the red light is off and the green light is on, it indicates that the battery is fully charged.

Note: Standard 5V 2A charging takes about 120 minutes.

1. 使用标配的USB充电器与电脑USB端口连接。没接电池通电绿灯长亮。
2. 将电池连接到充电器，红灯亮表示在充电，红灯熄灭绿灯长亮表示已经把电池充满。

备注: 标准5V 2A充电时约120分钟。

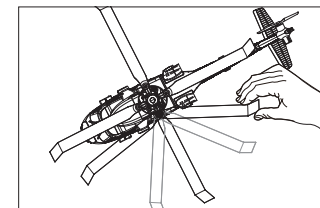


## First Flight Preparation CAUTION 飞前注意事项

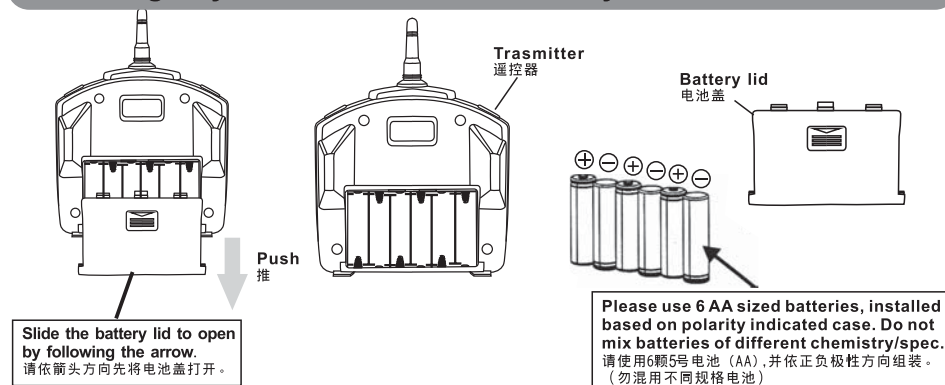
1. Make sure the remote control battery is full and the helicopter battery is full.
2. Before the operation, turn on the power switch of the remote control, then take off the hood of the machine and connect the battery to the power plug of the receiving board (note that the red and black wires are not inserted incorrectly). At this time, the remote control and the receiving indicator light are flashing, push and pull the throttle lever up and down, and then the power supply of the remote control and receiving board will be connected, the indicator lamp is long-lit on the frequency successfully.

3. Unplug the Battery at the end of the flight, then turn off the remote control, if the remote control does not operate for a long time recommended to remove the battery, to avoid consumption or damage.
4. Find a suitable place to fly, away from people, cars. High-voltage power towers, reservoirs, etc., before the safe and pleasant flight.
5. The main rotor fixed screw can not be locked too tight, to keep the rotor can fold, too tight will cause rotor can not swing straight and produce vibration of the body.

1. 确认遥控器电池电压充足，直升机电池电压充足。
2. 操作前先打开遥控器电源开关，然后取下机头罩将电池连接接收板电源插头（注意红黑线不要插错），此时遥控、接收指示灯闪烁，上下推拉一下油门摇杆，指示灯长亮对频成功。
3. 飞行结束先拔掉飞机电池，然后在关掉遥控器，如果遥控长时间不操作建议把电池取出，避免消耗电量或损坏。
4. 寻找一个合适飞行的场地，远离人群、车。高压电塔、水塘等，方可进行安全愉快的飞行。
5. 主旋翼固定螺丝不可锁过紧，要保持旋翼能顺叠收折，过紧时会造成旋翼无法用直而产生机体震动。



## Installing way of remote controller battery 遥控器电池安装方式

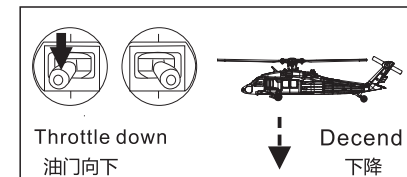
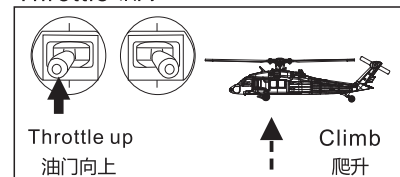


## Operational Guidance 操作指导

If you are unfamiliar with the control of the K170, take time to familiarize it before your first flight.

如果你不熟悉 K170 的控制，花几分钟熟悉它们，然后尝试你的第一次飞行。

### Throttle 油门



### Rudder 方向

