

# R/C HELICOPTER USING INSTRUCTION

## DIGITAL PROPORTIONAL R/C COAXIAL HELICOPTER MODEL

Thank you for purchasing our product. In order to use it correctly and make sure safety, please read the instruction book carefully before using. Please we'll keep it for your further reference.



Ultra-strong crush-resistant  
craft material.

New model LED controlling  
system

Intelligentized R/C system.

360 degrees exact positioning.

Smooth hovering performance.

Newly designed electricity  
saving function.

### Cautions:

1. Any electric component should not be moistened to avoid other breakdowns.
2. If the helicopter is smeared, do not use any cleanser to clear it, because cleansers will damage the plastic and synthesis part.
3. Do not control the helicopter to fly away your visual line.
4. Do not allow children to play it individually.

### Technical parameter

Technical parameter

Length: 500 mm

Width: 75 mm

Height: 200mm

Total weight: 245g

Motor: 131 2PCS

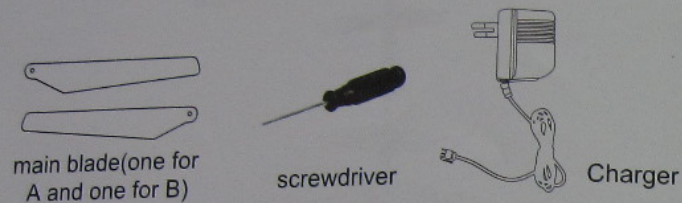
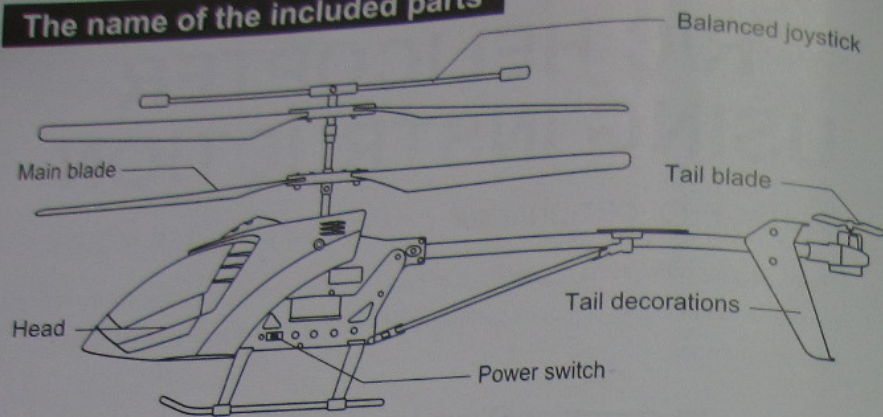
Battery: 3.7V 1100mAh Li-ion

Charging time: around 100 minutes

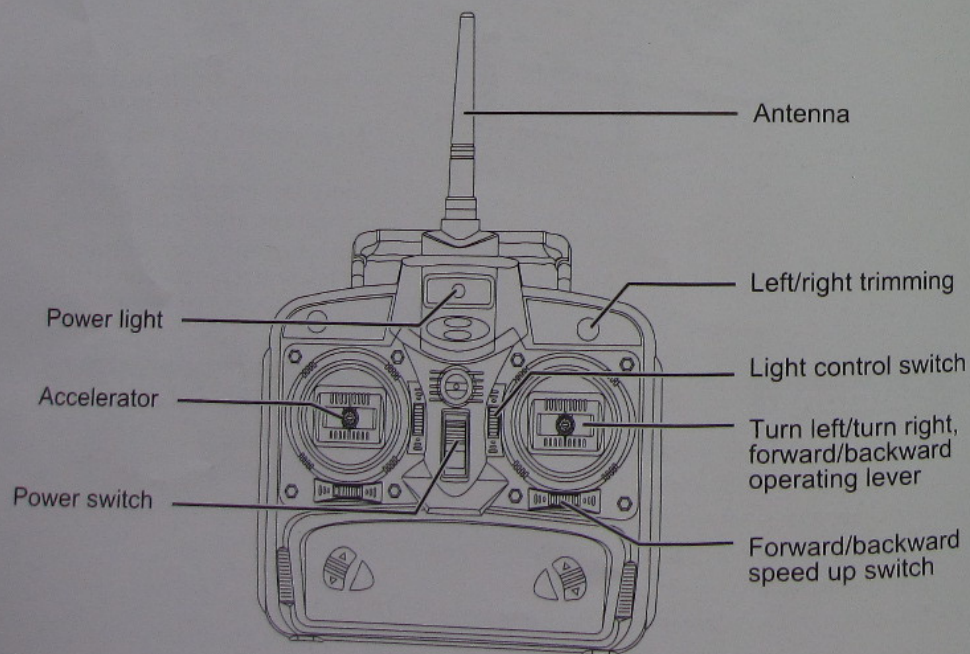
Flying time: around 6 to 8 minutes



## The name of the included parts

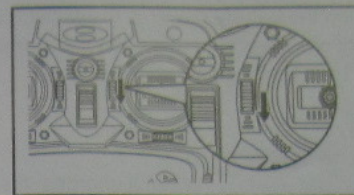


## Function specification of remote controller

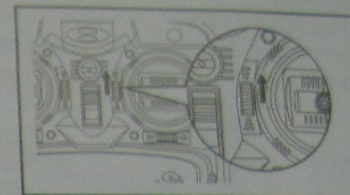


## The light control

Push the light control switch upward (as picture 1), and the helicopter's light goes on. Push the light control switch downward (as picture 2), the helicopter's light extinguishes and goes into the electricity-saving mode.



picture 1 Turn on the lights

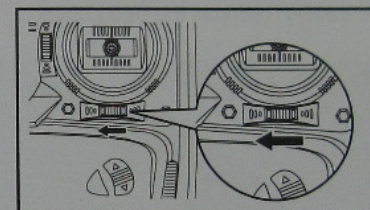


picture 2 Turn off the lights

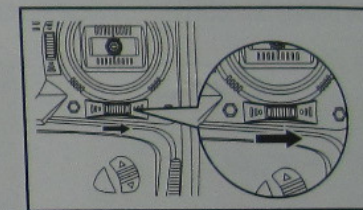
## Forward/backward speed up switch

The flying state of this product has been set as slow gear; players can set it as fast gear when playing outside or operating it expertly.

Setting method: push the forward/backward acceleration switch to the left (as picture 3), and the helicopter goes into the modes of "accelerate forward" or "accelerate backward"; push the forward/backward acceleration switch to the right (as picture 4), and the helicopter goes into the mode of slow gear. It is recommended that beginners practice at the slow gear mode or players practice in the slow gear mode inside.



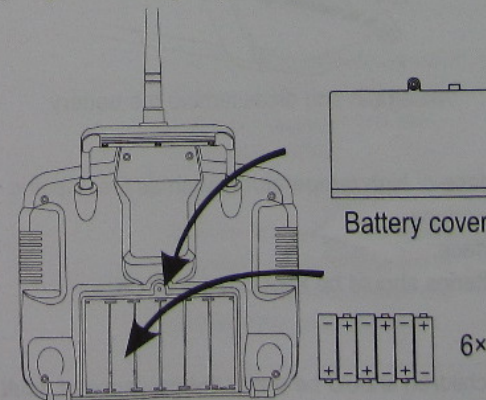
picture 3 Fast gear



picture 4 Slow gear

## TO ASSEMBLE THE TRANSMITTER:

Install the batteries: open the battery case cover, and insert 6 batteries (1.5V AA) properly according to polarity indications. (batteries to be purchased)



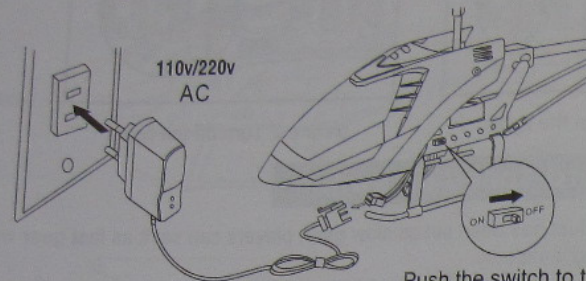
### Attention:

1. Match the batteries with polarity indications before installation.
2. Do not mix new batteries with used ones.
3. Do not mix different types of batteries.



## To charge the fuselage battery:

1. Push the power switch to the position "OFF", and put the charger into the power socket (AC100V-240V), the indicator light on the charger is green.
2. Turn off the helicopter, pull out the power socket of the helicopter, and then insert the battery charging plug into the balance charger's socket. When the battery power is insufficient, the indicator light on the charger is red and it starts charging; when the battery is fully charged, the indicator light on the charger changes to green. The charging time is 100 minutes.

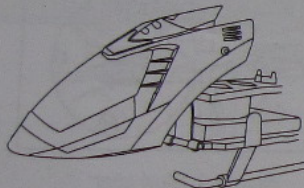


When it charges, the indicator light on the charger is red; when it is fully charged, the light changes to green.

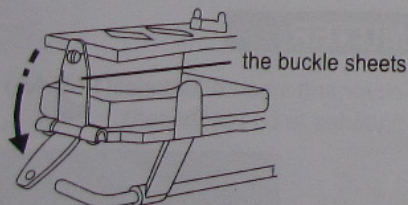
Push the switch to the position "OFF" when it is being charged.

## The way to replace the helicopter's battery

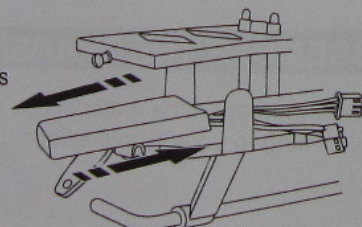
Take apart the helicopter's head cover; pull away the buckle sheets in the battery compartment; remove the battery without power; install the full power battery; reinstall the head cover.



Take apart the helicopter's head cover



Pull away the buckle sheets in the battery compartment



Assemble and disassemble the battery

### WARNING

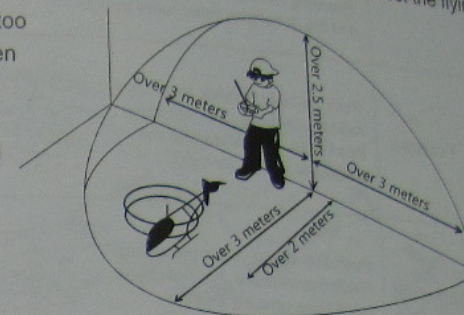
1. Disconnect the battery plug with the circuit board plug when you replace the helicopter's battery.
2. The red battery wire should be inserted into the red circuit board socket wire, otherwise it may cause an accident.

## Flying condition before taking off

1. Flying in warm, sunny and non-windy condition.

- Please do not fly under the condition of too hot or too cold. Otherwise it may affect the flying effect or cause damage to the flying model.
- Please do not fly in strong wind as too strong wind will limit your flying or even hinder your flying control. If it is filed under strong wind, your helicopter may be blown away and disappeared or even damaged.

2. Choose to fly in spacious indoor environment and make sure there is no obstacle, pet or people nearby.



## Preparation for taking off

1. Steadily place the helicopter on the level ground. Please take it in hand and switch on the power of the helicopter and this time the colorful indicator will be glittering.
2. Make sure you are in the place at least 2 meters behind the helicopter. (Tail wing should be pointed to yourself).
3. Re-inspect the location and make sure it is far away from the people, the animal or any other obstacles.
4. Open the power switch, the power indicator will be on the state of glittering. This time push the accelerating lever to the toppest and then pull it back to the lowest. Only when the power indicator shows eternal bright can you use it. This time the transmitter can be used normally and you can prepare to take off.

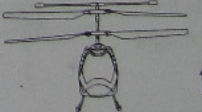


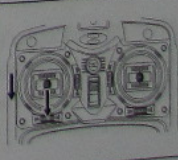
### Cautions:

If the indicator of the transmitter is on the state of glittering, it shows that electricity is not enough and this time you need to replace the battery in the transmitter.

## Manipulating method

### Tips:

The new learners should speed up the accelerator slowly. The suggestive best controlling height is in the area of head-up and visual.

Ascend	Push the left joystick (accelerator) upward, the turning speed of main rotor becomes faster and the helicopter ascends.		
Descend	Push the left joystick (accelerator) downward, the turning speed of main rotor becomes slower and the helicopter goes downward.		



swerve	Push the joystick (swerving rudder) toward the left and the helicopter head turn to left. Push the joystick (steering rudder) toward the right and the helicopter head turns to right.		
Forward	Push the right joystick (swerving rudder) upwardly, the helicopter head goes downward and the helicopter moves forward		
Backward	Push the right joystick (swerving rudder) downward, the helicopter head goes upward and the helicopter moves backward.		

## Helicopter's trimming

### Special prompt

If you do not push the direction joystick and the helicopter is spinning in the air, please adjust the trimming button of balanced bar till it recovers (If the head rotates towards the clockwise, please make it rotates toward the left, otherwise, towards the right. If the trimming button is invalid, land the helicopter and push the switch from "ON" to "OFF", and then re-push to "ON". Finally, you should re-launch the helicopter and re-adjust the trimming button.

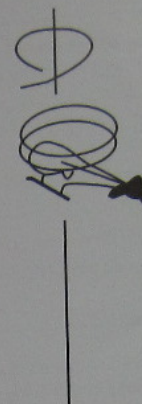
### Attention:

When the helicopter ascends to 30cm high, it will suffer the "ground effect" and its performance will become unstable.

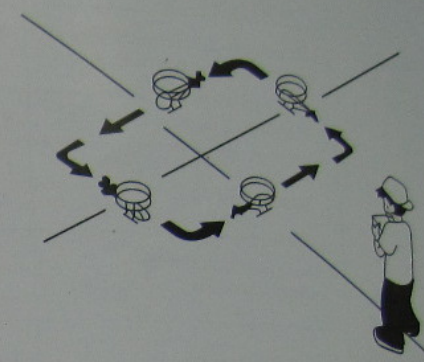
When the helicopter's head spins anticlockwise, please rotate the trimming button towards the right till it stops spinning.		
When the helicopter's head spins clockwise, please rotate the trimming button towards the left till it stops spinning.		

## Flying practise

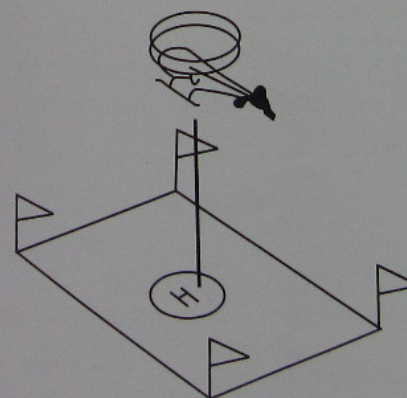
After quite a lot of training, please try to fly by your own.



Fixed-point revolving  
(direction revolving)



Keep flying forward—turn left—forward—turn left, try to fly in a square pattern and practise again and again and then fly into a circle little by little.



Land in the designated  
location (spot landing)



(Fly into a shape like digit 8)



## Problem shooting

Problem	Reason	Problem shooting
No power with the transmitter	1. Pull to the "OFF" position on the ON/OFF button.	1. Pull to the "ON" position on the ON/OFF button.
	2. Do not correctly load the batteries as per the correct polarity shown..	2. Check and make sure the batteries are correctly loaded as per the polarity shown in the battery box.
	3. The battery is exhausted.	3. Replace with the new battery
Can not control	1. Transmitter is off.	1. Pull to "ON" position on the ON/OFF button of the transmitter.
	2. The ON/OFF button of the helicopter is on the "OFF" position.	2. Pull to "ON" position on the ON/OFF button of the helicopter.
	3. Too strong wind force	3. Do not fly under the environment of windy as too strong wind may cause flying limitation to the helicopter or it may hamper your controlling or flying.
The helicopter cannot ascend.	1. The rotating speed of the rotator is too slow.	1. Push the power controlling lever upward.
	2. the helicopter is not fully charged.	2. Charge the helicopter till full.
The helicopter lands too quickly.	You pull the power controlling lever back too quickly.	Slowly pull the power controlling lever back and let the helicopter land slowly.
the signal will break off when flying	Led of remote control will glitter when the batteries have not electric quantity.	Replace with the new battery

## 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 don't 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.
6. This product contains many kinds of alloy parts, please pay more attention when operating the helicopter.



Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

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.