

AGES 14+

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 well keep it for your further reference.

New model LED controlling system

Intelligentized R/C system.

360° exact directional.

Smooth hang performance.

Newly designed electric saving function.



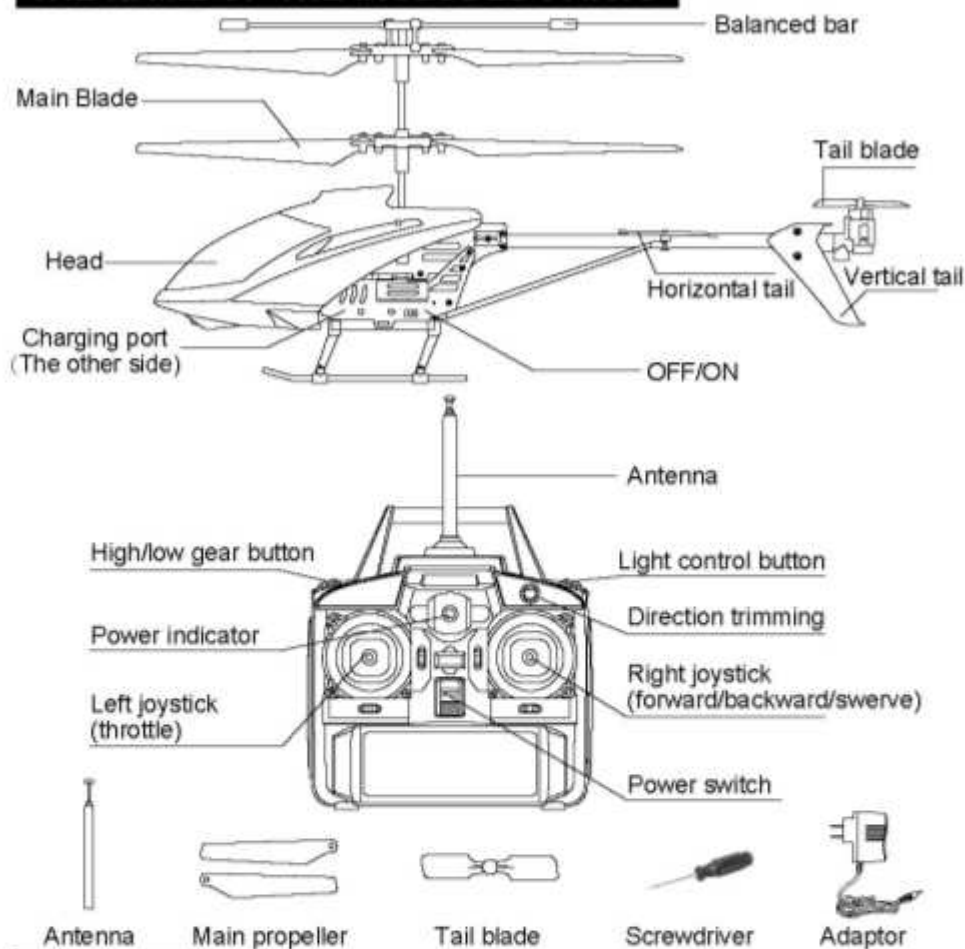
CAUTIONS

1. Do not damp any electric part, or it may lead to some 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. Please keep the helicopter fly in your sight.
4. Do not allow children to play it individually

TECHNICAL PARAMETERS

Length: 385 mm
Width: 70 mm
Height: 195 mm
weight : 221 g
Motor: 130
Battery: 3.7V 1000 mAH lithium battery
Charging Time: 120 minutes
Flying time: 6~8 minutes

THE NAME OF THE INCLUDED PARTS

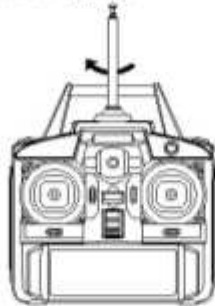


SAFETY RULE

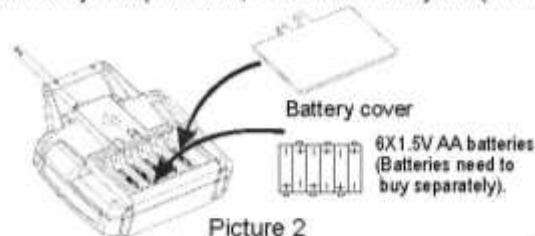
1. Please read the instruction manual carefully before operating, and play it strictly according to the manual.
2. Please place the tiny spare parts of the helicopter beyond the reach of the children to prevent any accident from happening.
3. Please do not place the helicopter and battery on high-temperature or heated place, such as near the fire or any other electrothermal devices.
4. Please keep a distance 1 or 2 meters away from others when you operate the helicopter.
5. Do not disconnect or refit the product optionally, or it may cause the product's dysfunction and danger.
6. Children should play it under the guidance of adults.

BATTERIES LOADING IN THE TRANSMITTER

1. Loading of the antenna: screw the antenna clockwise and load it into the screw column of the end of the antenna. Picture 1
2. How to install batteries: open the battery lid at the back of remote controller; correctly put 6*AA alkaline batteries into the battery compartment; close the battery lid. (Shown as in the figure)



Picture 1



Picture 2

Cautions:

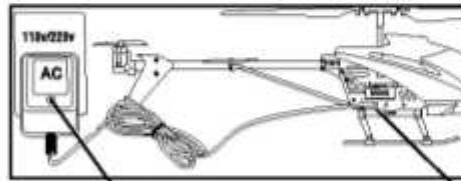
1. Make sure the polarity of the battery and battery box should be correct and can't be loaded upside down.
2. Please do not mix using the old batteries with the new ones.
3. Please do not mix using batteries with different types.

THE CHARGING INSTRUCTIONS OF DYNAMIC BATTERY

Close the power switch of the helicopter first, connect the charging fork of the charger to the connecting port of the battery. When it is being charged, the indicator light of charger is red; when it is finished, the light changes to be green. Charging time is about 120 minutes.



When charging, please push the switch to the OFF position.



When charging, the LED indicator is red.
When finish charging, the LED indicator will be green.

connecting port
of the battery

- Built-in lithium battery (3.7V 1000mAh) inside this product, Please pay attention to the safety points below:
- Please do not place it near heated area such as fire or electrothermal devise, otherwise it may cause damage or explosion.
- Please do not use the battery to strike or hit against the surface of hard object.
- Please do not soak the battery into the water. Battery should be put on the dry and cool place.
- You can only charge this product by using the original charger which comes together with this product.
- Do not use decomposable battery.
- Please don't leave when charging. Adult should be on the spot for guidance when charging.

Caution

- If you do not play it for a long time, please push the helicopter's switch to "OFF" to prevent batteries from over discharging.
- Charger should be suitable for your local voltage.

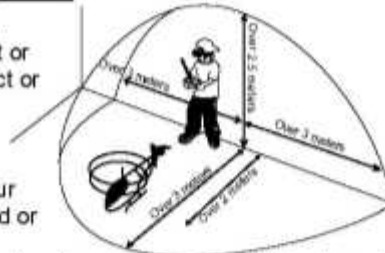
Flying condition before taking off

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

① 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.

② 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

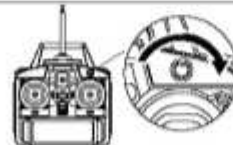
1. Steadily place the helicopter on the level ground. Please take it in hand and switch on the power of the helicopter and this time the colorful indicator will be glittering.
2. Make sure you are in the place at least 2 meters behind the helicopter.
(Tail wing should be pointed to yourself).
3. Re-inspect the location and make sure it is far away from the people, the animal or any other obstacles.
4. Pull the antenna of the transmitter to the maximum. 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.

Helicopter trimming

Special prompt

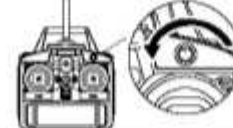
If helicopter flies, rotating in the air without pulling control stick, then you can stop he fly, use screw driver to adjust the potentiometer on chopper circuit board lightly till it is steady. Then adjust the hard adjustment till it stop revolving. (If helicopter is revolving in the air yet you do 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-turn-button left of the rudder to keep it balance, and viceversa. But when this adjust action is useless, 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.)

When the helicopter is hovering anticlockwise or constant rotating anticlockwise, please turn the trim button to the right till it is balanced.



Turn right

When the helicopter is hovering clockwise or constant rotating clockwise, please turn the trim button to the left till it is balanced.


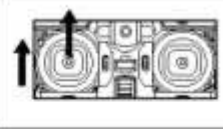

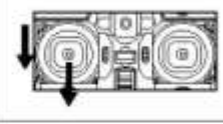

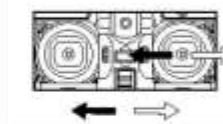

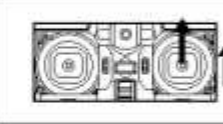
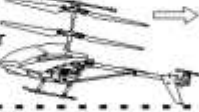
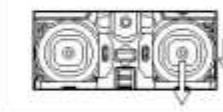


Turn left

CONTROLLING METHOD


Operation tip:

For the first learner, you need to accelerate slowly and do not accelerate too quickly when flying. It would be highly suggested that it is flied on horizontal view or within your visible scope.

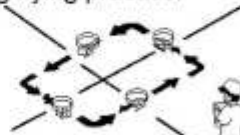
Ascend	When push the left control lever (accelerator) upward, the turning speed of main rotor becomes faster and the helicopter ascend.		
Descend	When push the left control lever (accelerator) downward, the turning speed of main rotor becomes slower and the helicopter downward.		
Head Turning	When push the control lever (rudder) to the left, the nose of the helicopter turns to the left. When push it to the right, the nose of the helicopter turns to the 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) downwardly, the helicopter head goes upward and the helicopter moves backward.		


FLYING PRACTICE

After enough flying practice, please try the following flying practice.


Fixed-point revolving
(direction revolving)


Assigned location landing
(assigned location landing)


Forward—turn left—forward—turn left—forward—turn left, Practice of Square Flight, practise once and again ,Then Practise the Circular Flight


Practice of Digit 8 Crossing Flight

PROBLEMS AND SOLUTIONS

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 not opened.	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. The antenna is not installed or stretched totally.	3. Make sure the antenna is installed correctly and stretched totally.
	4. Too strong wind force	4. 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 battery electric quantity of helicopter is insufficient.	1. Charge the helicopter's battery or renew battery.
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. Insufficient electricity power will shorter the control distance.
2. Insufficient electricity power will lead to difficulties in taking off and ascending.
3. Fix the helicopter in time if there is any damage. If it is damaged badly (for example: blade is damaged), it may hurt players.
4. Remove the transmitter batteries if not in use for along time in case of battery leakage.
5. Avoiding dropping and crashing the helicopter for it will lead to damages and shorten the use life.
6. The alloy parts in the helicopter may hurt your children, please pay much attention.

ACCESSORIES FIGURE



001
Balanced bar



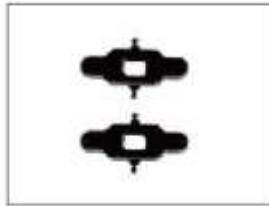
002
Inner shaft



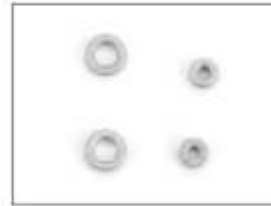
003
Main blade



004
Hollow pipe



005
Blade clip



006
Copper sleeve



007
Bottom main gear



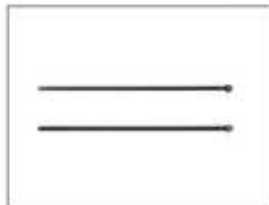
008
Connect buckle



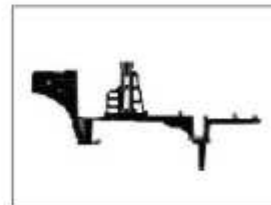
009
Motor frame aluminum sheet



010
Gear guard



011
Supporting tube



012
Main frame

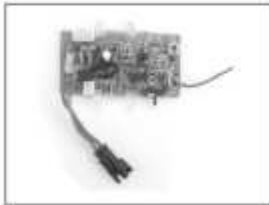
ACCESSORIES FIGURE



013
Tail unit



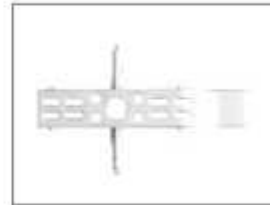
014
Main motor



015
Receiving plate



016
Battery



017
Motor cover



018
Head

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