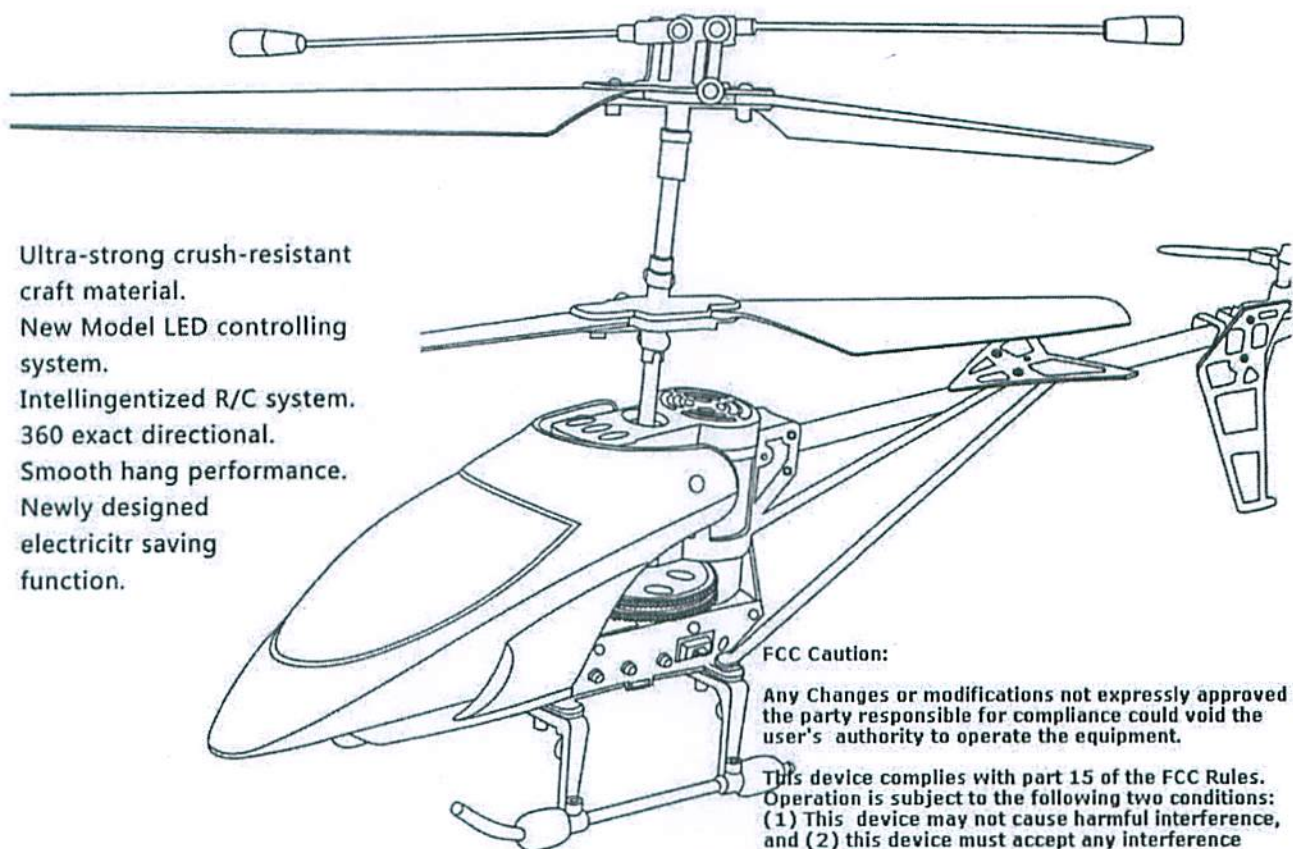


R/C HELICOPTER USING INSTRUCTION

DIGITAL SCALER/C HELICOPTER WITH COAXIALTWIN PROPELLERS

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.

Ultra-strong crush-resistant craft material.
New Model LED controlling system.
Intelligentized R/C system.
360 exact directional.
Smooth hang performance.
Newly designed electric saving function.



FCC Caution:

Any 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.

Caution

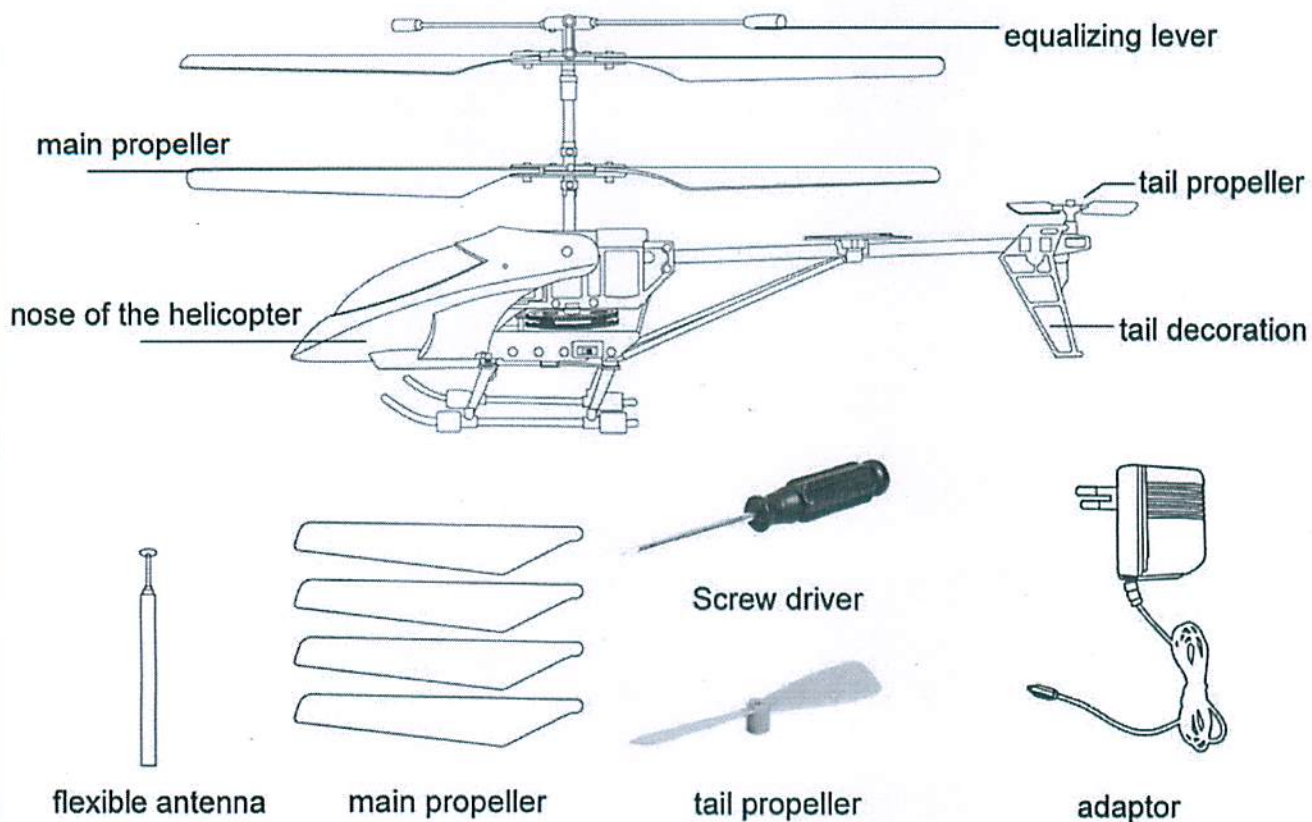
1. Any electric component should not be moistened to avoid any other breakdown.
2. If the helicopter is smeared, please do not use any cleanser to clean it as other cleansers will damage the plastic and the synthesis part.
3. Please do not let the helicopter fly away your eye scope during flying.
4. Do not let the children play this helicopter alone.

Technical parameter

Technical parameter

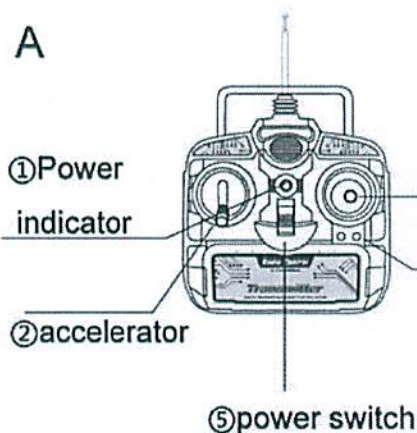
Length: 365 mm
Width: 330 mm
Height: 185 mm
Total weight: 210g
Motor: 130 2 PCS 6MM 1 PC
Battery: 3.7V 1000 mAH lithium battery
Charging time: around 100 minutes
Flying time: around 7 minutes

Content:

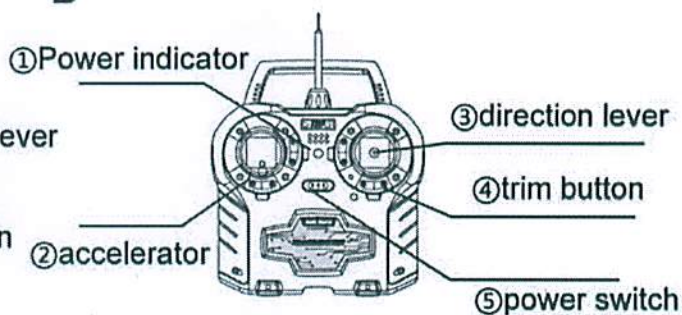


Remote Control Function Description

A



B

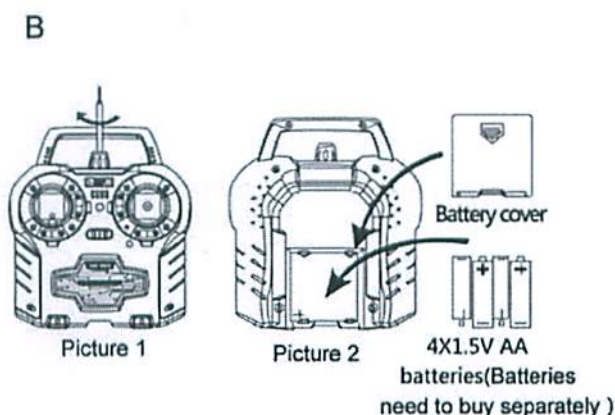
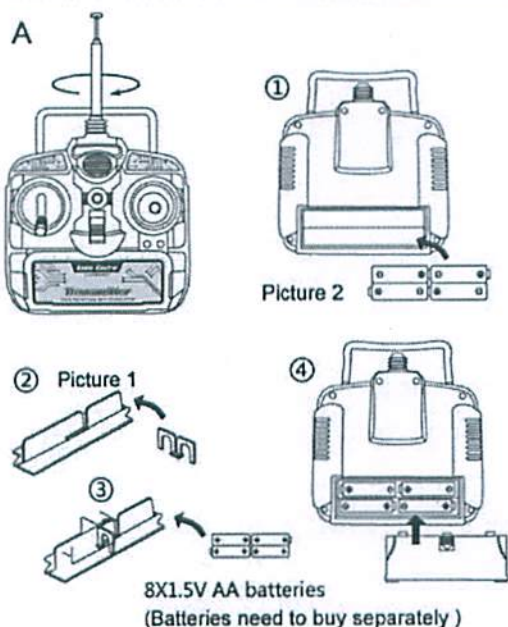


Safety regulation:

1. Please read this instruction manual carefully before operating this product. Please also operate as per this manual shown.
2. Please put the small parts beyond the reach of the children to avoid danger of accident.
3. Please do not put this helicopter and battery under the environment of high temperature or heated area like near the fire or any other electrothermal device
4. The helicopter should be kept 1-2 meters away from the player or other people during flying to prevent the helicopter from colliding with body which may cause damaged to the people.
5. Do not dismantle or replace this product. Otherwise it may cause breakdown or danger of accident.
6. The children should be on the guardianship of the adult during the time of flying the helicopter.

Assembling of the transmitter

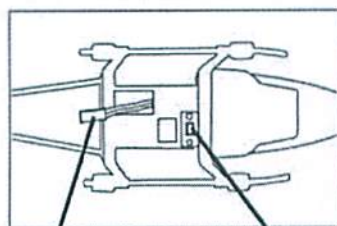
1. Loading of the antenna: screw the antenna clockwise and load it into the screw column of the end of the antenna. Picture 1
2. Battery loading: Open the battery cover on the back of the transmitter and correctly load 8 pcs AA alkaline batteries as per the polarity indicated. (Batteries need to buy separately). Picture 2



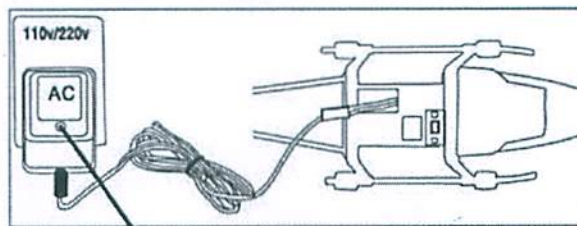
- Cautions:**
1. Make sure the polarity of the battery and battery box should be correct and can't be loaded upside down.
 2. Please do not mix using the old batteries with the new ones.
 3. Please do not mix using batteries with different types.

Instruction on charging to the power battery

Close the power switch of the helicopter first, connect the charging fork of the charger to the connecting port of the battery. Then plug the charger to the socket. When charging, LED indicator will be OFF. When finish charging, LED indicator will be ON. The charging time will be around 100 minutes.

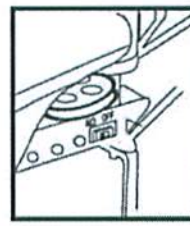


connecting port of the battery



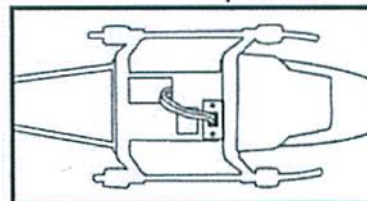
inputting port of the circuit power

When charging, the LED indicator will be OFF.
When finish charging, the LED indicator will be ON.



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

- 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 device, 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.



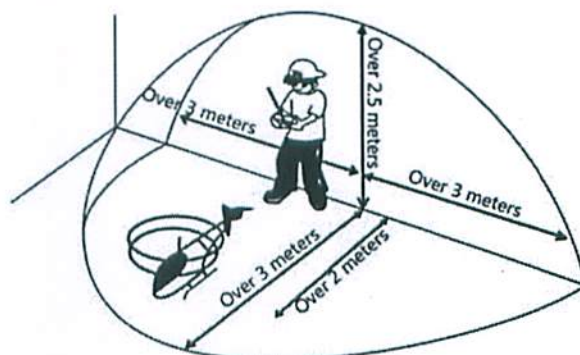
Please switch off the charger and the connecting port of the battery when finish charging. Then connect the connecting port of the battery to the inputting port of the power.

Caution

- Please pull the switch to OFF position to avoid excessive discharging of the battery. If the connector is kept connecting, it may cause discharging due to excessive charging and electric consuming for a long time.
- The adapter should be suitable to 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 flied 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.

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.


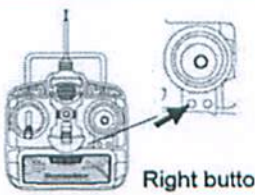
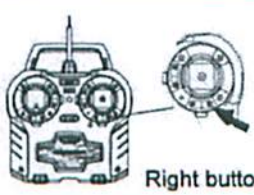

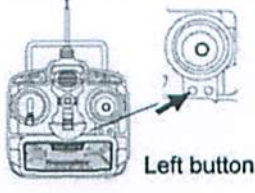
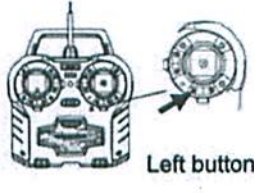
Helicopter trimming

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 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 vice versa. 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.)

Caution:

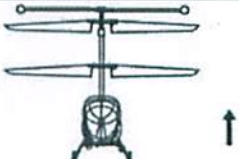




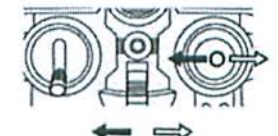
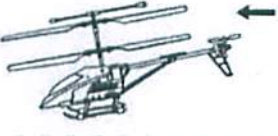
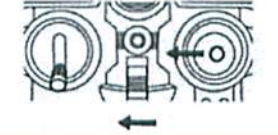

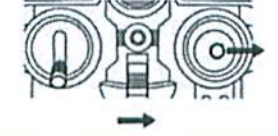
When the helicopter fly 30 cm above the ground, it will be inevitably affected by the turbulent current caused by its propeller and become unstable. This is called "ground effect response", the lower the gravity center of the helicopter, the ground effect response will be stronger.

<p>If head of helicopter rotates anticlockwise, Continuous slowly touch the right fine-turn-button to keep the helicopter</p> 	 <p>Right button</p>	 <p>Right button</p>
<p>If head of helicopter rotates clockwise, Continuous slowly touch the left fine-turn-button to keep the helicopter</p> 	 <p>Left button</p>	 <p>Left button</p>

How to operate

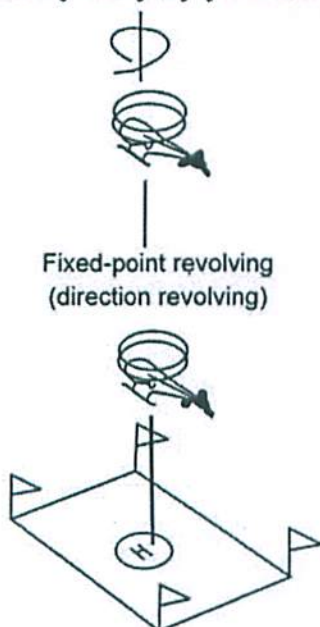
Operation tip:

For the first learner, you are required to slowly increase the speed and can not raise the speed too quickly. It's suggested that the best operating height should be in horizontal view and within your eye scope.

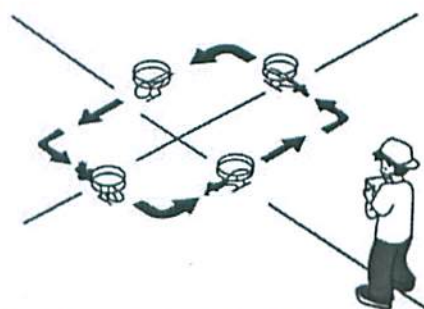
Ascending	When the left control lever (i. e. accelerator) is pushed upward, the rotating speed of the main rotator will be quicker and this time the helicopter will be ascending.		
Landing	When the left control lever (i. e. accelerator) is pushed downward, the rotating speed of the main rotator will be slowed down and this time the helicopter will be landing.		
Turning	When the right control lever (turning rudder) is pulled to the left, the nose of the helicopter will turn left. When pulled to the right, the nose of the helicopter will turn right.		
Forward	When the right control lever (turning rudder) is pushed upward, the nose of the helicopter will be downward and the helicopter will be flying forward.		
Backward	When the right control lever (turning rudder) is pushed downward, the nose of the helicopter will be upward and the helicopter will be flying backward.		

Flying practise

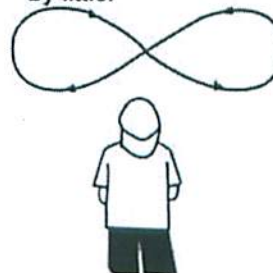
After quite a lot of training, please try to fly by your own.



Land in the designated location
(spot landing)



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



(Fly into a shape like digit 8)

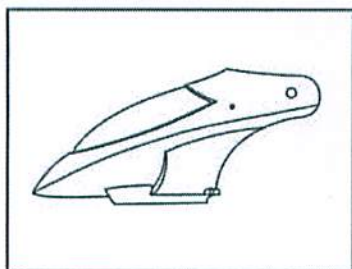
Problem shooting

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 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. Do not wrench tight the antenna or the antenna can't be completely extended.	3. Make sure the silver antenna is wrenched into the transmitter and extended completely.
	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 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.
Out of control	the same frequency interfered.	Make sure there is no transmitter with the same frequency is used within the radius of 30 meters.
	Beyond the effective controlling distance	

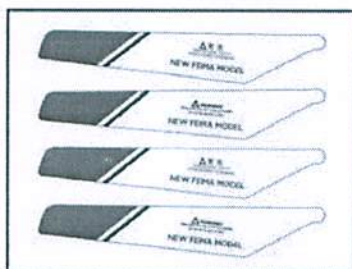
Cautions:

1. The controlling distance is greatly affected if insufficient power with the transmitter or helicopter.
2. The flying height is not enough or having difficulty in taking off may happen if insufficient power with the helicopter.
3. If there is damage, distortion happened with the helicopter, please repair it immediately. Even the serious problem may be rotator breakage or damage. Please do not fly it. Otherwise it may cause injury to your body.
4. Please take out the batteries off the transmitter if not using it for a long time to avoid battery leakage to damage this product.
5. Do not let the helicopter fall from higher place or crashed seriously which may cause damage to the helicopter or reduce the using life of the helicopter.
6. This helicopter contains many kinds of alloy parts, children should be careful not to be wounded by the metallic alloy.

Parts picture



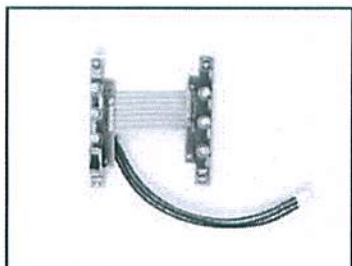
001
Nose



002
Main propeller



003
protecting shelf of
the engine



004
Colorful light board



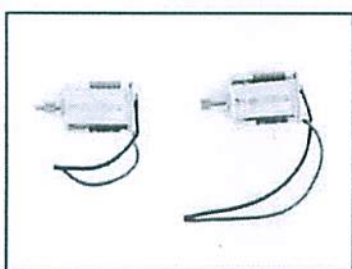
005
Landing shelf



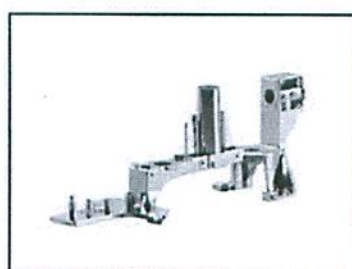
005
27MHZ CIRCUIT BOARD



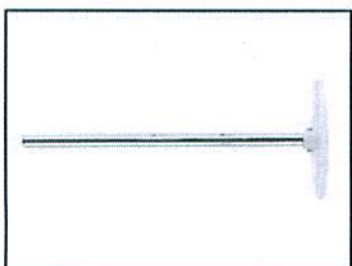
007
3.7V 1000mA battery



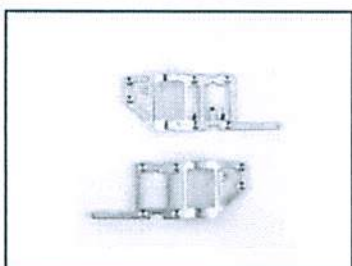
008
Main engine



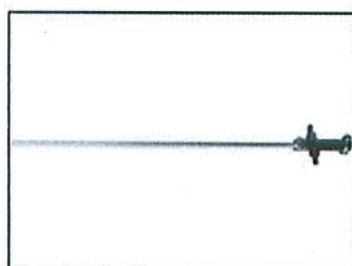
009
Main engine shelf



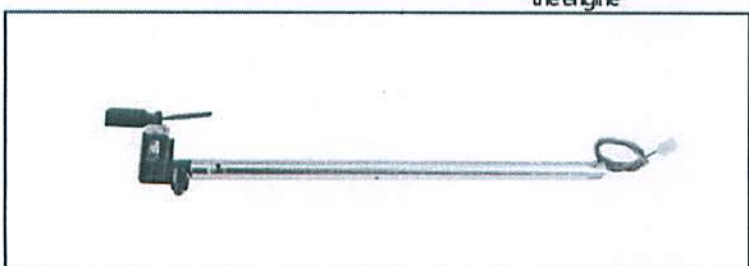
010
Upper gear assembly



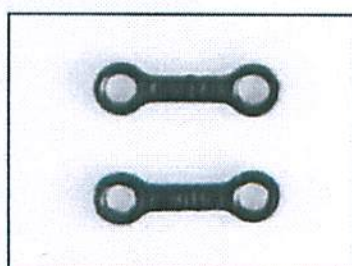
011
protecting shelf of
the engine



M1-012
main shelf

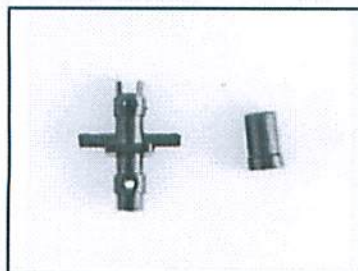


013
Chopper tail unit Module



014
Short connecting buckle

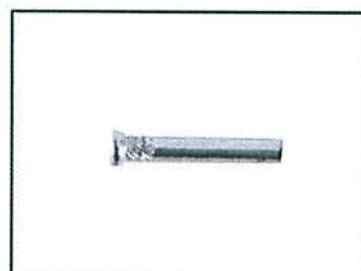
Parts picture



015
Bearing fixed bushing leeward propeller stand



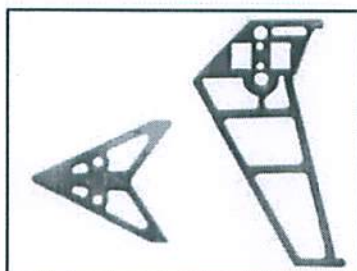
016
Tail propeller



017
2X14 with straight
flower hob nail



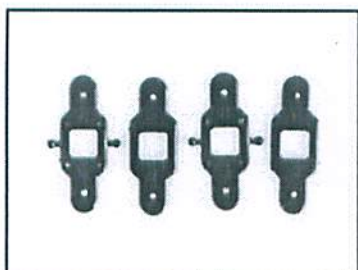
018
Down gear assembly



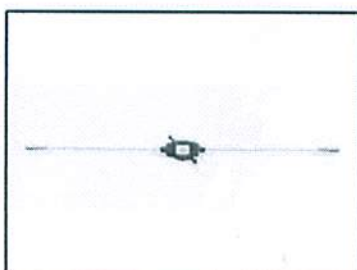
019
Tail accessories



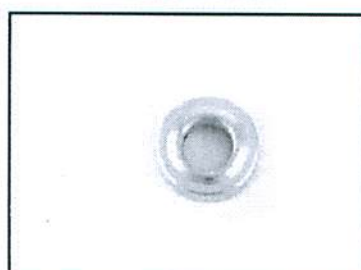
020
Battery supporting plate



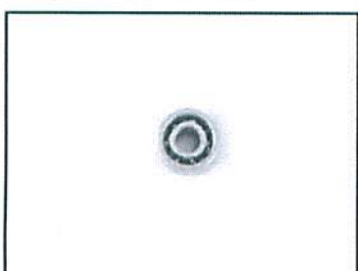
021
Propeller stand part



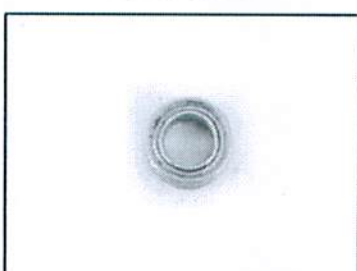
022
Equalizing lever



023
Φ8 X4 two-sided hole
copper bushing



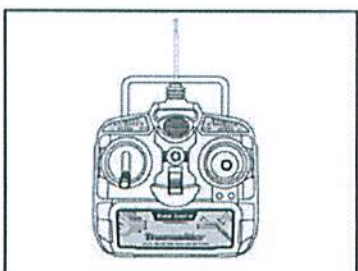
024
Φ5 X2 X25



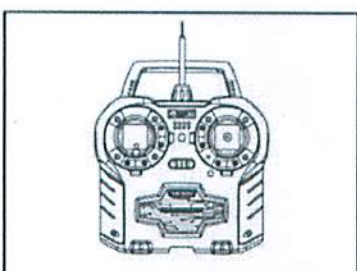
025
Φ7 X4 X25 bearing



026
supporting tube



027
Transmitter A



028
Transmitter B