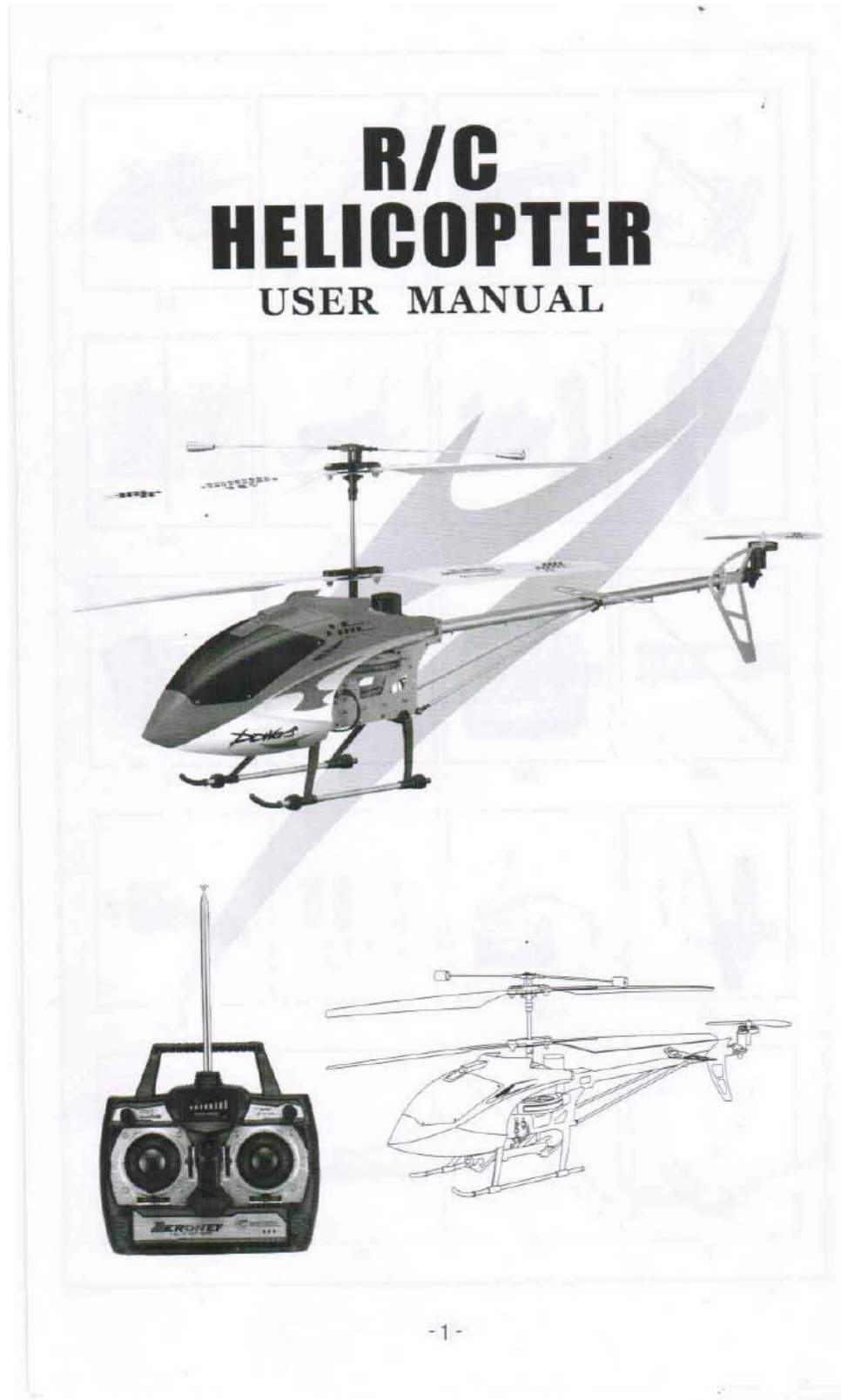


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User manual

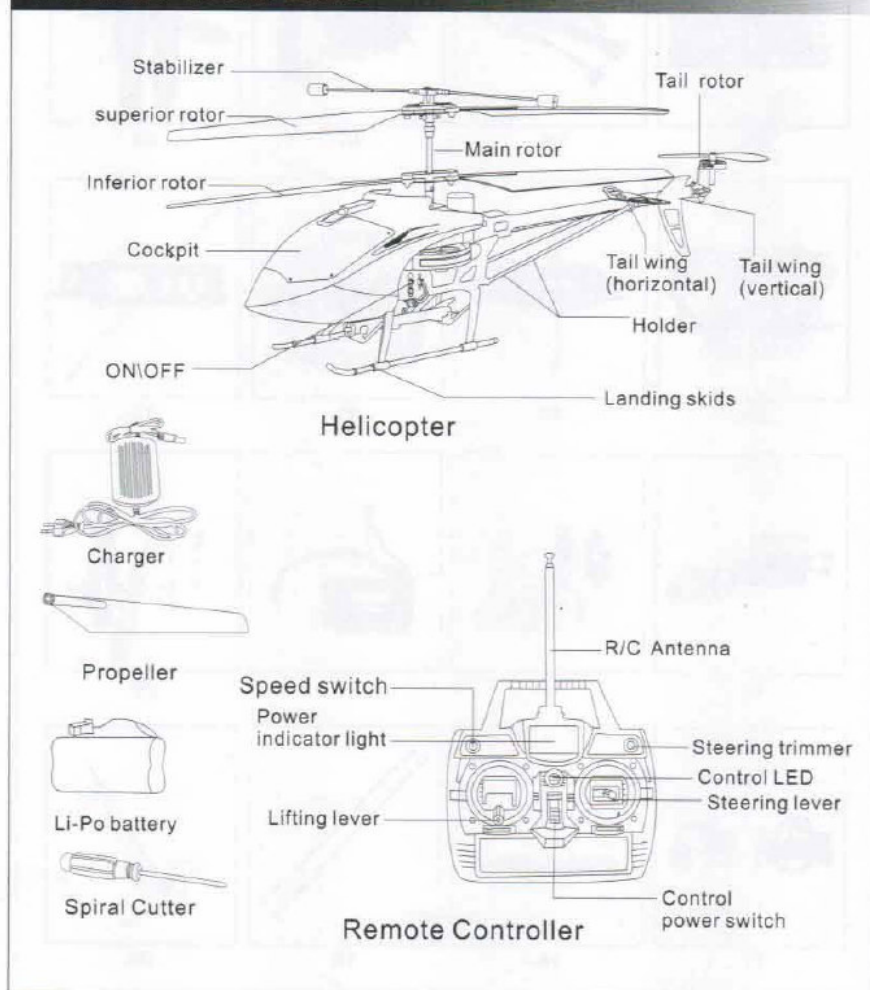


INSTRUCITON

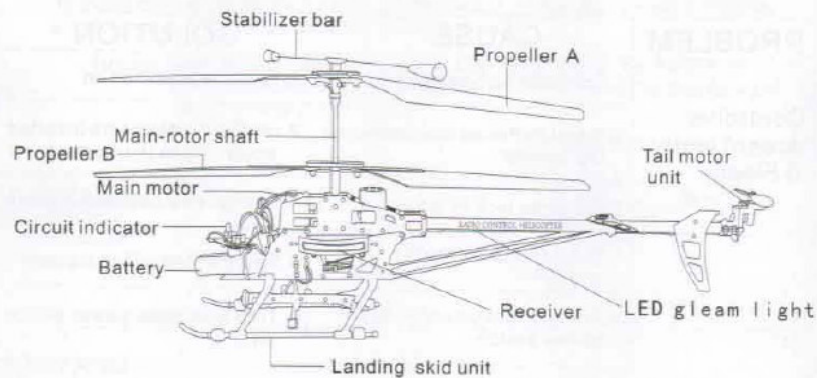
This indoor flying helicopter adopts the latest technology; which can exert its superior function in the ideal flying condition -----the indoor. This model made by using special material is of good resistance. The dual-blades are designed for the beginner to operate the helicopter easily without special training. Though the helicopter is easy to control and is of good stability, you should read this user manual before playing so as to fly the helicopter properly and safely.

This product will keep on improving, therefore the photos of the instruction are just for reference, and all details are subject to the product. Any items and specifications are subject to change without notice for further improvement.

PACKAGE CONTENTS



Main structure drawing for helicopter



BASIC VALUE OF THE HELICOPTER

Description: Electric R/C Helicopter

Item NO.: 822

Item NO.: 822

Weight: 606g

Total length: 850mm

Length Width Height: 850mm 110mm 300mm

Wing span: 515mm

Main motor: type 370

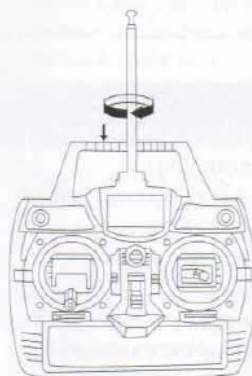
Tail motor: type N20

Battery: 7.4V/1300mAh

Control distance: 20-25m

ASSEMBLE REMOTE CONTROLLER

1. Insert the telescopic antenna into the aperture on the front of the remote control and screw it tight clockwise.

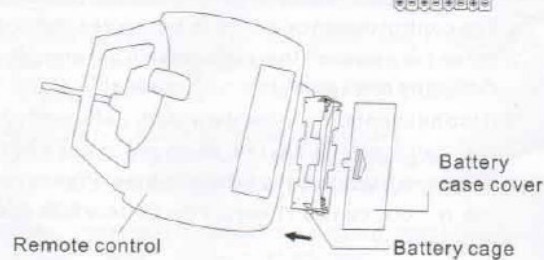


2. Install batteries

Open the cover of battery case; Take out the battery cage, and then install 8 (size 5) Alkaline batteries (purchased by yourself) into the batteries cage following the correct indicated polarity (4 batteries in each side)

Notice: when the power indicator light goes off it means the power is running out, you should renew the batteries

8Xsize AA Batteries

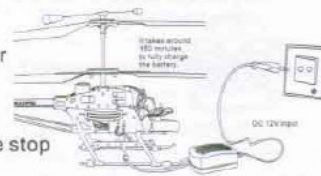


Charge

1. 12 V the charger output socket to insert airplane power cable then connect power supply, at this time charger red light, the green light shine.
2. Insert the 3-hole white plug of the battery for the helicopter into the output socket on the balance charging box (see the figure below). The green indicator will go off, indicating charging begins. When the battery is fully charged, the green indicator will light up and charging stops.

Attention:

1. Make sure the voltage and connector plug of adapter tally with the local charging standard.
2. The battery pack will become warm when charging excessively. It is harmful to the battery pack and would even make the battery pack damaged, please stop charging under this situation.
3. Player should stand aside as the plane in the process of charging.
4. This adapter adopts the advance balance charging model for safety, please do not use other type of adapter in order to avoid.
5. The battery pack would become very hot when the plane finishes flying, please wait at least 10 minutes for continuous charging in order to protect the battery pack.
6. Do not throw the battery pack into fire to avoid explosion.



WARNING
When you are tired of playing, please pull out the connecting plug to avoid the battery over discharge, if the linker keeping to connected, may cause the over discharge as the battery long time power wasting.

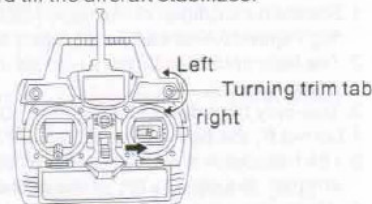
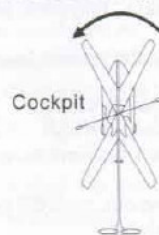
FLYING TIPS

1. Ensure there is no obstacle or people within 10 meter diameter of the helicopter before flying, spectator should stand at the back of the operator.
2. Ensure batteries fully charged before playing, and antenna fully extended.
3. Please do not pull the Lifting lever too fast for the launch to prevent the damage, slowly pull up the Lifting lever and the helicopter will take off slowly.
4. The ideal flight height is within 3 to 8 meters; don't move the left Lifting lever too fast.
5. When the helicopter is too unstable in the air, please land the helicopter safely and find out whether there is a strong source of air current.
6. The helicopter will descend slowly when the power is running out. And you can pull down the Lifting lever lowly so that the helicopter can descend slowly.
7. When you want the helicopter to make turns, slowly push the steering lever toward the desired direction to avoid stall.

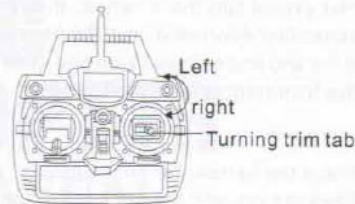
TRIM ADJUSTMENT FOR DIRECTION

※: If the helicopter spins too quickly after flying, please make the following adjustment;

- 1). When the nose of the helicopter turns to the left, the adjustment is as follows; Adjust the steering trimmer rightward or leftward till the aircraft stabilizes.



- 2). When the nose of the helicopter turns to the right, the adjustment is as follows;
 Adjust the steering trimmer rightward or leftward till the aircraft stabilizes.



IMPORTANT CHARGING INFORMATION

1. Don't let the charger or batteries on a high temperature before charging
2. Plug the charger into wall socket (220V)
3. Charging time about 80mins (don't leave the battery when charging)
4. Charging is complete when the indicator light on the charger lights up GREEN.
5. Switch off the charger at the wall socket.
- ※ Don't leave during the charging.

SAFE USAGE FOR BATTERY AND SOME GUIDE

1. Insert batteries properly, avoid battery leak.
2. Charge and change the batteries should be under adult guidance.
3. Do not expose battery to direct sunlight, in heat locations or near stove to avoid explosion.
4. Do not dispose of useless batteries into fire to avoid explosion hazard.
5. Do not mix new and old dry-cell batteries together when in use. (refer to the AA batteries in the transmitter)
6. Do not mix rechargeable batteries and dry-cell batteries together when in use. Only batteries of the same or equivalent type as recommended are to be used.
7. Do not charge non-rechargeable batteries.
8. Take exhausted batteries out before it is long-time unused.
9. The over charge can ruin the rechargeable batteries.
10. Take care of batteries during the charging.

PRE-FLY ARRANGEMENT

1. The fly requires a warm weather with no wind.
 Do not fly in extremely bad weather such as temperature higher than 45°C/113°F or lower than 0°C/0°F. The overheated and over-cool condition have bad effect on the flight and result in helicopter's damage.
2. Flying area/location:
 This helicopter is perfect for the indoors or gymnasium, keep away from fans, air vents or other drafts. To avoid damaging household objects, fly only in areas that are free of furniture. Do not fly your helicopter near people or animals.

FLIGHT

1. First, extend fully the antenna, then put the switch of the transmitter downward, pull the power control stick upward to the end and upward to the end, (red indicator lights up), the transmitter is now activated.

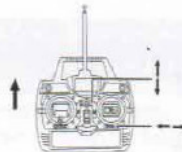


2. Place the helicopter on the ground with the tail pointing towards you and the nose facing away from you.
CAUTION: it's always good practice to begin flights with the helicopter facing away from you and with some distance between you and craft, this will allow you to begin your flight easily.



3. Take-off:

Push the throttle lever upward with the left hand. The main rotor on the helicopter will then start to rotate. If necessary, adjust the steering trimmer until the helicopter will not spin by itself (refer to steering instructions ①②). The more the throttle lever is pushed upward, the faster the main rotor will rotate. When the lever is pushed more than halfway, the helicopter takes off.



4. FLY HIGHER AND DESCEND

To gain altitude, advance the Lifting lever forward; to descend slowly, move the Lifting lever backward slowly. (Don't put the Lifting lever to the top and to the bottom suddenly)

CAUTION:

Do not fly helicopter too close to walls or other objects. Should be flown under adult supervision.



5. TO CHANGE DIRECTION:

When the steering lever is pushed leftward, the helicopter will turn left (supposing you are standing behind the helicopter).

Caution: When the steering lever is pushed rightward, the helicopter will turn right (supposing you are standing behind the helicopter). If the lever is mildly pushed, the helicopter will turn comparatively slowly with larger turning radius. Otherwise, the helicopter will turn comparatively fast with smaller turning radius.



6. FORWARD AND BACKWARD

To make the helicopter fly forward or backward, move the remote controller steering lever forward or backward respectively.

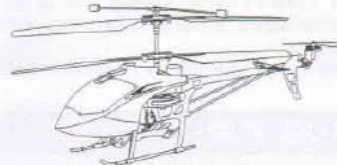
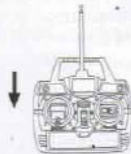


Notice: Must slowly move the control stick forward and backward, or the helicopter will lose speed and crash due to the fast forward and backward movement.



7. TO LAND

To cause the helicopter to descend, slowly move the Lifting lever backwards.



HELICOPTER & Li-PO Battery Care Information

1. Need to full charge the Li-PO battery when your first use (the first charging time about 2 hours)
2. Do not expose the helicopter to direct sunlight, in heat or wet locations.
3. Towel the helicopter body off (notice: Keep the packing dryness)
4. Dispart the plug of the battery and circuit board when you not fly.
5. Charg the battery when you no use. Ensure the battery voltage about 7.6V (charge 30mins after landing, the voltage will be attached 7.6V). It's best for the battery through charge before you stock. Need to charge the battery (charge once each month, the charging time about 20mins) if you no use for long time.

WARNING

1. Should be cautious of the main rotor blades, tail blades and gears, they rotor at very high speeds, and can cause injury to face, fingers or eyes.
2. The helicopter has battery packed inside, if batteries leak, keep them away from your eyes.
3. Use only the adapter in package. Do not use other types of adapters.
4. Do not fly the helicopter if the rotor span is broken, or it can cause damage.
5. The helicopter's heavy crash and fall are prohibited when you are playing, it can shorten the service life of the copter.
6. When the power of the batteries of the remote control is running out, the LED get dark, the control distance will be reduced. Please renew the batteries.

Trouble shoot and dealing with

| PROBLEM | CAUSE | SOLUTION |
|---|---|---|
| Controller doesn't work. & Flash | 1.Controller's power switch is off. | 1.Turn power switch on |
| | 2.Insert batteries into controller improperly. | 2.confirm batteries be inserted according to their pole. |
| | 3.Batteries lack of power. | 3.Change new batteries instead. |
| Can not control the helicopter. | 1.The Remote controller put "OFF". | 1.See the instruction manual |
| | 2.Doesn't turn on controller's power switch. | 2.Turn helicopter power switch on. |
| | 3.Doesn't wrest antenna into controller completely,or antenna isn't fully pulled out. | 3.Wrest antenna completely and pull it out. |
| | 4.You play the helicopter in strong winds weather. | 4. Do not play the chopper in strong winds, which can confuse your control. |
| | 5.The indicator light of controller flickers. | 5.Change new batteries instead. |
| Helicopter can not rise. | 1.Main rotor blades rotate too slowly. | 1.Pull up the Lifting lever. |
| | 2.Doesn't fully charge helicopters battery. | 2.Fully charge helicopter battery. (See instruction above) |
| Helicopter land too fast. | You loose the Lifting leveror pull it down too fast. | Slowly pull down the Lifting lever till the chopper landing smoothly. |
| Helicopter keeps turning in one direction | | Adjust the trim tab |

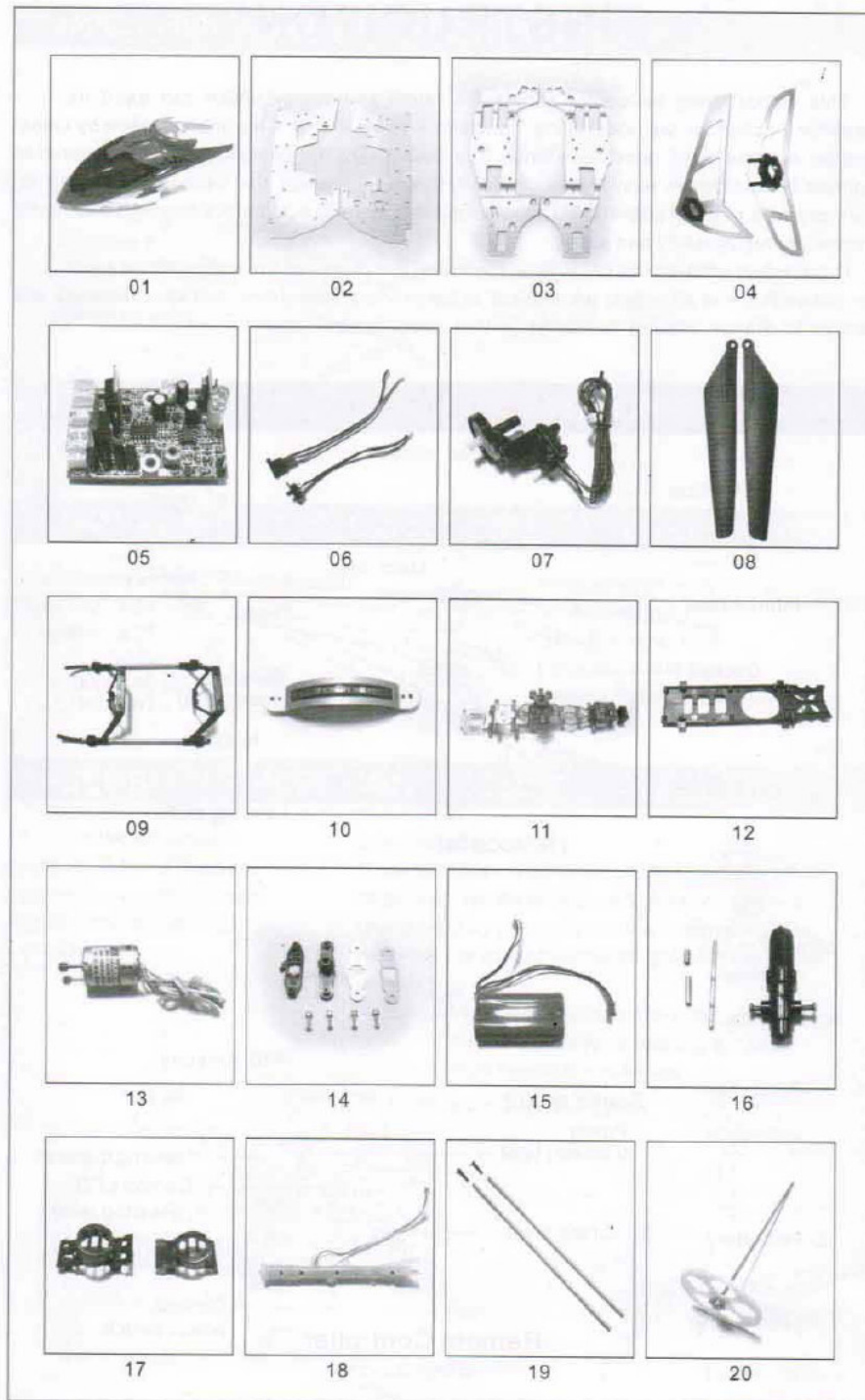
NOTICE:

- 1.The control distance will be shorter when the power is running out.
- 2.When the power of the helicopter is not enough, the helicopter will launch difficultly or it can not fly high enough.
- 3.If the helicopter become damaged, deformed, please repair in time, when the helicopter is severe damaged, please do not fly it.
- 4.If you don't use this toy for a long time. Please remove the batteries out of the remote control, to avoid the battery leakage causing the damage of this product.

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