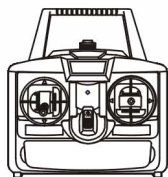


**AGE 14+**

To avoid copter's damage and player's injury, please read this instruction before flying!



# MANUAL

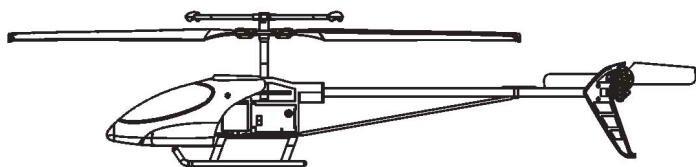
**HELICOPTER**  
**RADIO-CONTROLLED**

**NO.603**

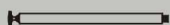
## PARTS



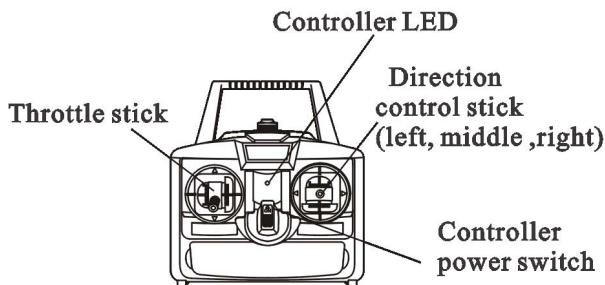
Adapter



Helicopter



R/C Antenna



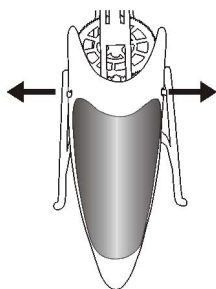
Remote Controller

## CHARGE BATTERIES OF CHOPPER BODY

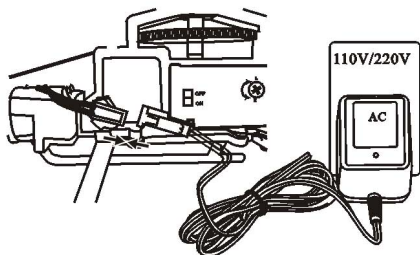
### NOTES

Be sure the adapter fit your local electrical power supply.

1. Move off helicopter's head cover.



2. Unplug battery and wires from the circuit board, and then connect battery with adapter, plug adapter to 110V/220V power outlet. It begins to charge.



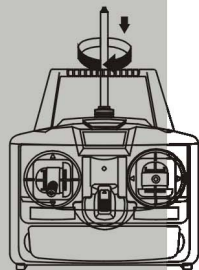
### IMPORTANT NOTICE

Full charge to helicopter battery will take about 3 hours long. Do not over-charge. Keep battery temperature lower than 45°C when charging it, or it can cause damage.

## ASSEMBLE REMOTE CONTROLLER

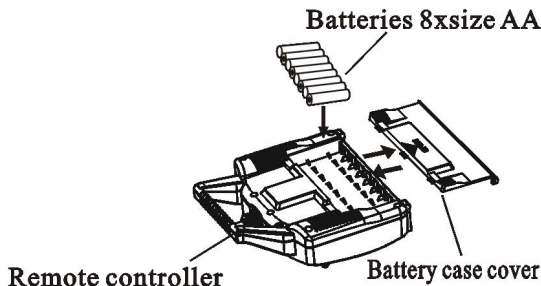
### 1. Install antenna cord

Revolve antenna into adapter clockwise.



### 2. Install batteries

Open the cover of battery case; insert 8 batteries (size AA) properly followed by polar indicator. (Batteries to be purchased).



## PRE-FLY ARRANGEMENT

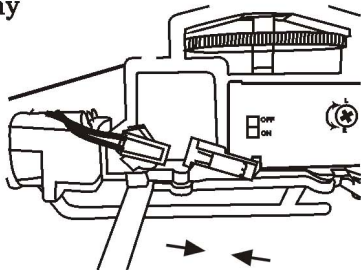
### 1. The fly requires a warm weather with no wind.

- a) Do not fly in extremely bad weather such as temperature higher than  $45^{\circ}\text{C}/113^{\circ}\text{F}$  or lower than  $0^{\circ}\text{C}/0^{\circ}\text{F}$ . The overheated and over-cool condition have bad effect on fly and result in helicopter's damage.
- b) Do not fly in strong winds. It can limit the helicopter's fly and confuse your control. Flying in strong winds, the chopper will be missing or cause damage.
- c) Do not fly in such weather conditions like strong thunder, flashing lighting, rainstorm, ice storm, heavy snow etc..

### 2. It comes ready to fly the chopper over the lawn. Be sure fly area is far away from the crowd, animals, trees, tall buildings, high-voltage cables etc.

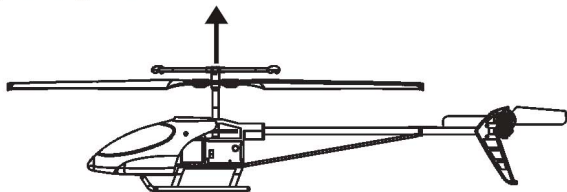
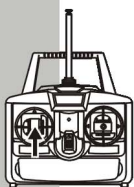
## READY TO FLY

- 1. Pull out the controller's antenna.
- 2. Turn on the controller's power switch, red LED on it brightens.
- 3. Connect battery to the jack of circuit board, put the head cover back; turn on the chopper's power switch; put it onto the open ground.
- 4. Leave the controller to the chopper at least 5 meters far away.
- 5. Confirm that fly area far away from any obstacles, then pilot your chopper.



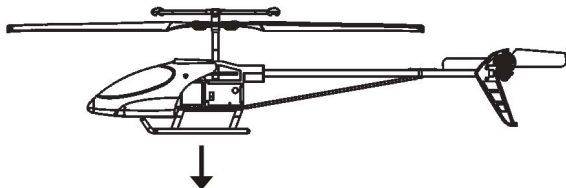
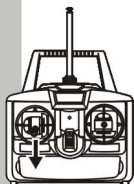
## FLY THE CHOPPER

This following shows you each operation on the remote controller and what the helicopter's corresponding action is.

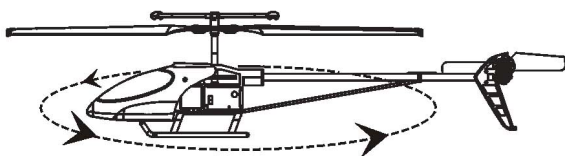
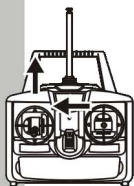


Increase throttle stick, main rotor span revolves faster and the chopper rises up

Pull down throttle stick, main rotor span's rotating speed comes down and the chopper falls.

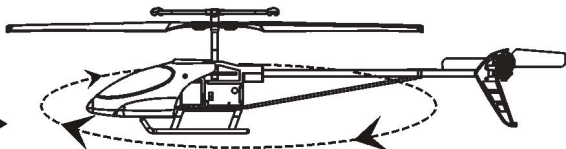
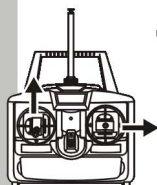


Turn direction control stick to the right, tail rotor span revolves faster and the chopper yaw its nose to the left.



Turn direction control stick to the left, tail rotor span rotates slowly and the chopper yaw its nose to the right.

Note: The tail fin aims at the operator.

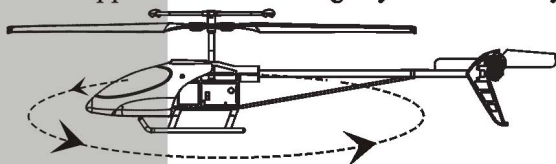


## Note:

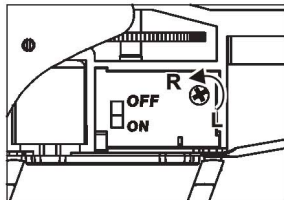
1. The remote controller is suitable for about 50 square meter area. Do not fly the helicopter in strong winds; otherwise the chopper can be blown off and out of control.
2. When you are tired of playing, please turn off the power switch on the chopper and on the controller to extend battery's usage time

## IMPORTANT NOTE

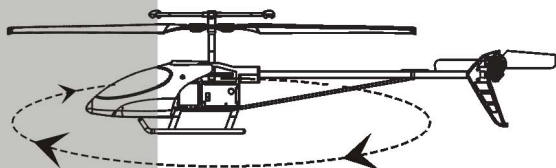
If helicopter flies, rotating in the air without pulling control stick, then you can stop the fly, use screw driver to adjust the potentiometer on chopper circuit board lightly till it is steady.



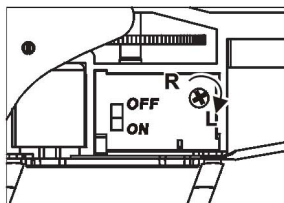
Helicopter rotates anticlockwise



Helicopter rotates anticlockwise, "R" orientation adjust the screw of the potentiometer on chopper circuit board



Helicopter rotates clockwise



Helicopter rotates clockwise, "L" orientation adjust the screw of the potentiometer on chopper circuit board

## SAFE USAGE FOR BATTERY AND SOME GUIDE

1. Insert batteries properly, avoid battery leak.
2. Charge battery and change it by adult's guide.
3. Do not expose battery to direct sunlight, in heat locations or near stove to avoid explosion.
4. Do not dispose useless battery into fire to avoid explosion hazard.
5. Do not mix new and old dry-cell battery together when in use.
6. Do not mix rechargeable battery and dry-cell battery together when in use.
7. DO not charge dry-cell battery.
8. Take exhausted battery or leak battery out of the product, Remove battery out before it is long-time unused.
9. Assemble battery with proper interval.
10. The excess charge can ruin the rechargeable battery.
11. Take care of battery when it is charging.

## WARNING

1. Main rotor blades and tail blades and gear can rotate at very high speeds in your playing and therefore can inflict severe damage or injury to people especially from parts such as your face, fingers. Eyes and hairs.
2. The helicopter has battery pack inside, If battery leaks, keep it far away from your eyes.
3. Use only the adapter in package, Do not use other type adapters. Damage.
4. Do not fly the helicopter if the rotor span is break, or it can cause damage.
5. The helicopter's heavy crash and fall are prohibited when you are playing. Is can shorten the life of the copter.

## TROUBLE SHOOT AND DEALING WITH

PROBLEM	CAUSE	CHECK THIS
Controller doesn't work.	<ol style="list-style-type: none"><li>1. Controller's power switch is off.</li><li>2. Insert batteries into controller improperly.</li><li>3 Batteries lack of power</li></ol>	<ol style="list-style-type: none"><li>1. Turn power switch on.</li><li>2. confirm batteries be inserted according to their pole</li><li>3. Change new batteries instead.</li></ol>
Can not control the helicopter.	<ol style="list-style-type: none"><li>1. You haven't operated the controller.</li><li>2. Doesn't turn on controller's power switch.</li><li>3. Doesn't wrest antenna into controller completely, or antenna isn't fully pulled out.</li><li>4. You play the helicopter in strong winds weather.</li></ol>	<ol style="list-style-type: none"><li>1. Turn controller power switch on.</li><li>2. Turn helicopter's power switch on.</li><li>3. Wrest antenna completely and pull it out</li><li>4. Do not play the chopper in can confuse your control.</li></ol>
Helicopter can not rise.	<ol style="list-style-type: none"><li>1. Main rotor blades rotate too slowly.</li><li>2. Doesn't fully charge helicopter's battery.</li></ol>	<ol style="list-style-type: none"><li>1. Pull up the throttle stick.</li><li>2. Dully charge helicopter battery. (See instruction above)</li></ol>
Helicopter land too fast	You loose the throttle stick or pull it down too fast.	Slowly pull down the throttle till the chopper landing smoothly.



## CAUTION

If the battery is intended to be replaced by the user, there shall be a warning close to the battery or in both the instructions for use and the service instructions.

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.

Notes: This equipment has been tested and found to comply with the limits, 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, or modified not expressed approved by the party responsible for compliance, may cause harmful interference to radiocommunications.

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