

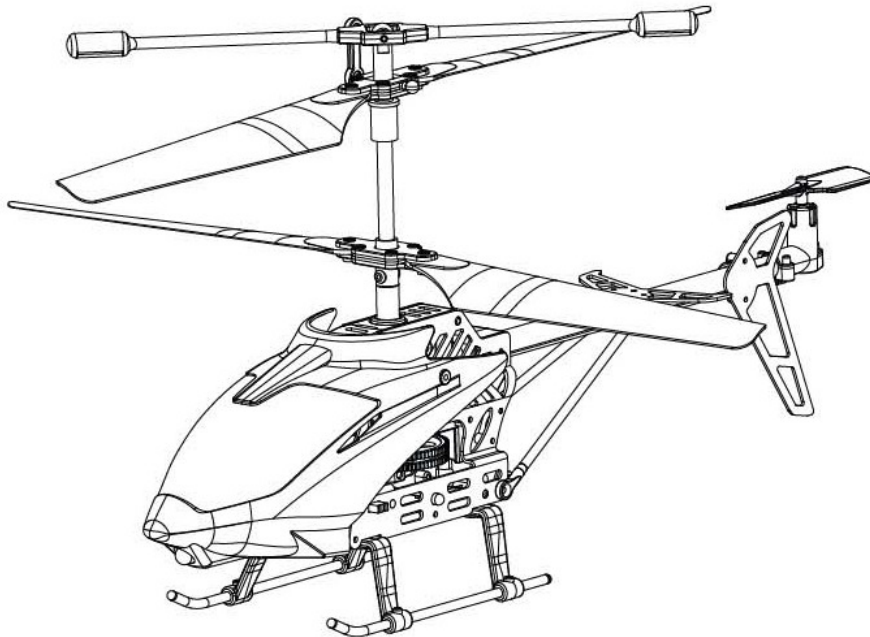
1.6 User Manual

AGE 14+

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.

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

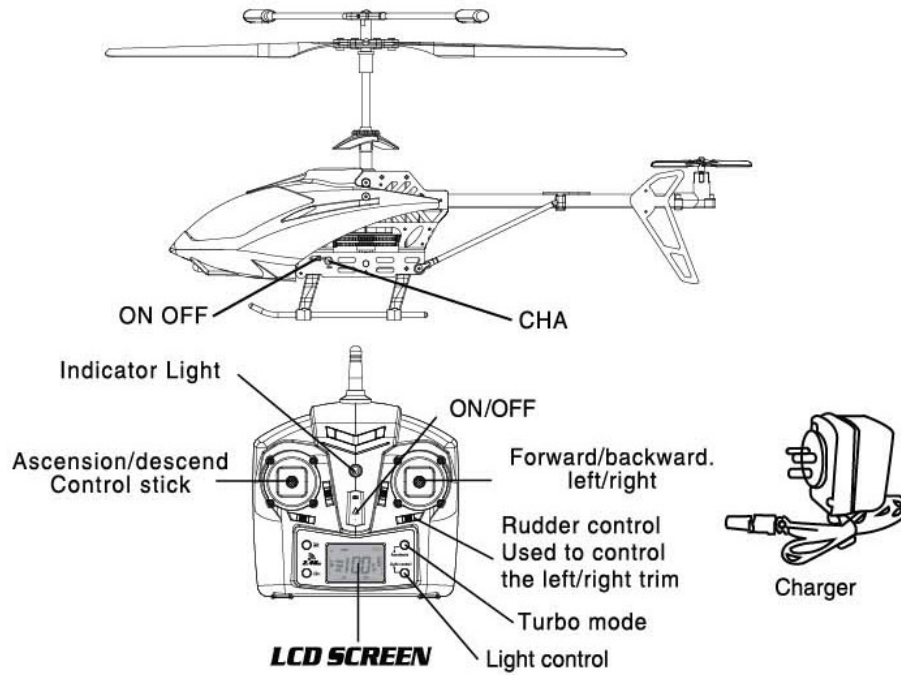
2.4G



1. Intelligent R/C System
2. Full Scale Remote Control
3. 360° Precise Directional Movement
4. Smooth Hovering Performance
5. Long Battery Life
6. Energy saving Power Cut-off

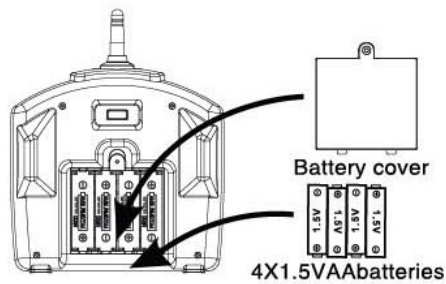
Please read the instructions carefully before use. [Please read the Notice in details.] Please retain the instructions for future reference.

INCLUDED PARTS NAME:



ASSEMBLY TRANSMITTER

Install batteries:open the cover of battery case,Insert 4 batteries (size 1.5V AA)properly followed by polar indicator. (batteries to be purchased).

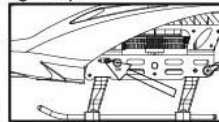


- 1.Install batteries carefully
- NOTICE:** 2.Do not mix old and new batteries
- 3.Do not mixdifferent types of batteries

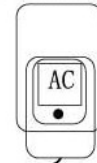
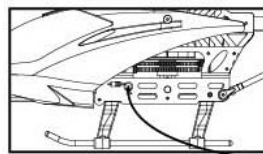
Using instructions of charging power batteries

Keep turn off the helicopter power, connect the charge plug of the charger to the charge slot on the helicopter. then insert the charger into the attaching plug. The LED will turn off when charging. When completed the LED will light up.

- Helicopter is equipped with Li-Poly battery, please also pay attention to the following cautions for safety use.
- Do not use or leave the battery near a heat source such as fire or heater. Otherwise it can cause damage or explode.
- Do not immerse the battery in water. and keep the battery in a cool dry environment.
- When recharging, only use the battery charger specifically for that purpose.
- Do not disassemble the battery.
- Never leave the battery unattended during charging.



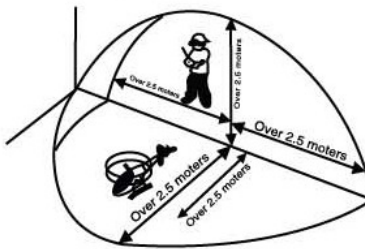
While charge, pull out the switch of the airplane to "OFF" position up.



NOTICE: ⚠
When you are finished using your helicopter, please disconnect all charging cables before storing away to void damage to the batteries

ENVIRONMENT FOR FLIGHT:

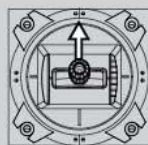
1. Fly on a sunny day, without wind.
 - ① Do not fly in extreme temperature.
Do not fly in temperature above 113 degrees Fahrenheit /45 degrees centigrade, or below 50 degrees Fahrenheit /10 degrees centigrade.
Flying in extreme heat and/of cold will affect performance and may damage the model.
 - ② Do not fly in strong wind.
Windy conditions will limit, or disturb the flying control.
In very windy conditions, your helicopter may become lost and/or damaged.
2. Select a large, wide-open area for flying. and make sure is no obstructions. animals or people nearby.



READY TO FLY

1. Lay your helicopter onto the ground, turn on the power switch, and the indicator lights.
2. Leave the helicopter at least two meters away, while the tail aimed at you.
3. Check that the helicopter be far away from the crowd. animals and other obstructions.
4. Make sure the joystick at lower place. Turn on the controller's power, and it works, then you can use it to fly the helicopter.


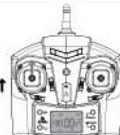



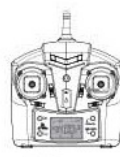

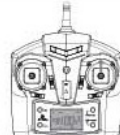

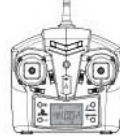
NOTICE: ⚠
While the indicator of the controller is sparkle, which shows the controller is lack or power. And you can change some batteries for it.



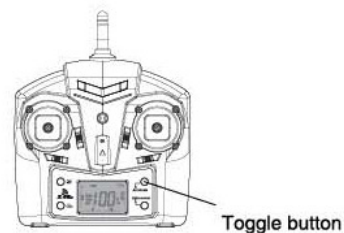
LEFT HAND MANIPULATE

CAUTION:
1. Turn on the switch.
2. The motive handle (accelerator) must be pushed to the maximum control route of travel first, then adjust it to zero (lowest), after that, you can turn on the power of helicopter to fly the normal operation.

CONTROL METHOD

Ascend	When you push up the left stick (throttle) the speed of the main rotor blade will increase and the helicopter will go up.		
Descend	When you pull down the left stick (throttle) the speed of the main rotor blade will decrease and the helicopter will go down.		
Steering	1. when the right stick (rudder) is moved to the left the helicopter will rotate to the left. 2. when the right stick (rudder) is moved to the right the helicopter will rotate to the right.		
Forward	When you push the right control lever (rudder) upwards the helicopter's nose will point down and it will fly forwards.		
Backward	When you pull the right control lever (rudder) downwards the helicopter's nose will rise and it will fly backwards.		

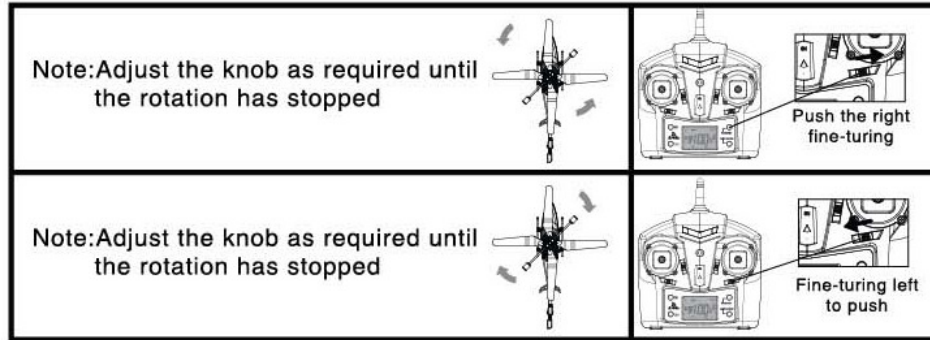
The helicopter has two flight modes, for beginner and for master-hand:
 1. Beginner mode (Factory default state)
 2. Master-hand mode (Once press the switcher which is on the right bottom of the remote control, then the helicopter will change into the Master-hand mode.)



SPECIAL PROMPT

If the helicopter spins during flight, follow the procedure below to stop the rotation.

NOTICE:
 When the airplane away from the ground in 30cm position, the helicopter will suffer by itself blade vortex to become unstable, we call it "effect response", when the helicopter weight lower, and the "effect response" affect will be bigger.

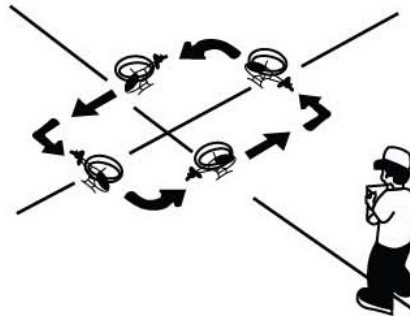


FLYING PRACTICE

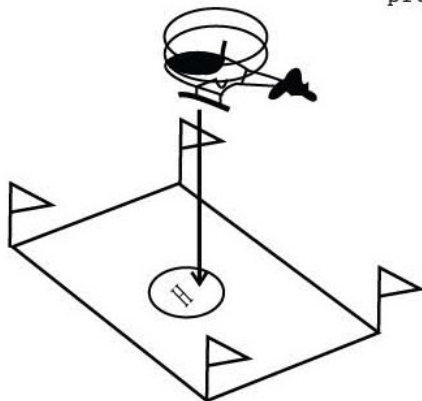
After the enough practice. you can attempts following flying practice



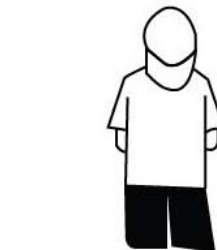
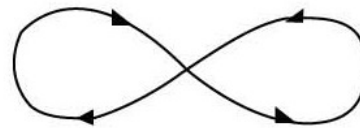
Fixed revolves (direction revolve)



Always go forward and turn left, and exercise flight in a quadrate pattern, then repeatedly practices to gradual practice flight in a rotundity.



Landing at the appoint pace (fixed landing)



Fly in a figure of eight shape

TROUBLE SHOOT AND DEALING WITH

PROBLEM	CAUSE	CHECK THIS
	1. Controllers power switch is "OFF".	1. Turn power switch "ON".
Controller doesn't	2. Insert batteries into controller improperly.	2. Confirm batteries are inserted according to their pole.
	3. Batteries lack of power.	3. Change new batteries instead.
	1. You haven't operated the controller.	1. Turn controller power switch "ON".
Can not control the helicopter	2. Doesn't turn on controller's power switch.	2. Turn helicopter's power switch "ON".
	3. You play the helicopter in strong wind weather.	3. Do not play the chopper in winds, which can confuse your control.
Helicopter can not rise	1. Main rotor blades rotate too slowly.	1. Pull up the throttle stick.
	2. Doesn't fully charge helicopter's battery.	2. Fully charge helicopter battery. (see instruction above)
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

- The control distance will be shorter when the quantity of electricity is not full.
- When the quantity of the electricity of the helicopter is not full, the helicopter will have difficulty or the height or fly is not enough.
- If the helicopter becomes damaged, deformed, please repair it in time. If the rotor becomes damaged or broken, do not fly, otherwise, it will lead to injury.
- If you don't use the transmitter for a long time, remove all batteries out, in order to avoid battery leakage to damage this product.
- Don't drop the helicopter from high position or crash it seriously, because that will damage it seriously or shorten the using time.
- This product contains many kinds of alloy parts, please pay more attention when operating the helicopter.
- Motor heating components, don't touch, avoid scald.

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.

SPARE PARTS LIST



U13-01
Head cover



U13-02
Battery



U13-03
Rotor blade clamp



U13-04
Tail motor set



U13-05
Gear A



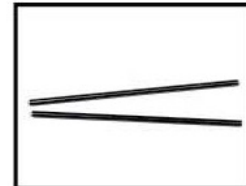
U13-06
Gear B



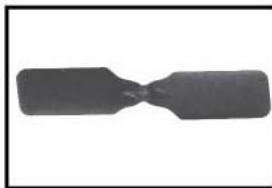
U13-07
Bearing Large



U13-08
Bearing small



U13-09
Tail support pipe



U13-10
Tail blade



U13-11
Motor A



U13-12
Motor B



U13-13
Horizontal tail and
vertical tail



U13-14
Tail pipe



U13-15
Connect buckle

