

# Wireless R/C helicopter using instruction

8088-27

## ! Cautions



1. Please observe the operation manual or packing explanation to install and use.
2. The product contains small parts, it may cause swallow or choke.
3. Never play the R/C model under the high-tension wire crowd or on the road, or it may cause the parts malfunction.
4. The charger is not a toy, this product must only be used with the original collocation charger, remove the charger before clean the model; Regularly examine for damage to the charger, wire, plug, or the other parts. In the event of any damage, it must not be used until the damage has been repaired.
5. Regularly examine for the propeller, shell, or the other parts. In the event of any damage, it must not be used until the damage has been repaired.
6. It will be guaranteed the electromagnetic environment requirement of air radio stations, prohibited use any kind of model transmitter in the designated area with the condition point for the airport runway in the center, radius in 5000M. Also it must not be used the model transmitter in the relevant government departments issued the radio control order time and the area.
7. Non rechargeable batteries are not to be recharged.
8. Never short circuit the batteries, throw it in a fire or attempt to open their outer casings.
9. As the end of the antenna may be dangerous, do not aim it toward anyone's body, face or eyes.

Fuselage length: 500mm
Main rotor diameter: 360mm
High: 200mm
Weight: about 200g
Frequency: 2.4GHZ
Operational range: more than 50m
Charge time: about 150 minutes
Flying time: about 6 minutes

Use batteries /charger
1. Helicopter batteries:(inside)
3.7V Li-ion battery
2. Transmitter batteries
"AA" 1.5VX4
(Additional purchase)

## Instruction of assembling the controller

1. Functions of transmitter as Fig. 1
2. Installation of transmitter as Fig. 2, to install 4 AA batteries (additional purchase) in right way

### Caution

1. Install the battery should recognize the the positive and negative terminals of the battery and battery box. Can not install in reverse.
2. Don't mix use the new and old battery, or difference kinds of battery.

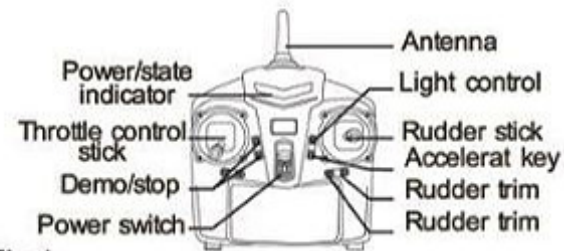


Fig.1

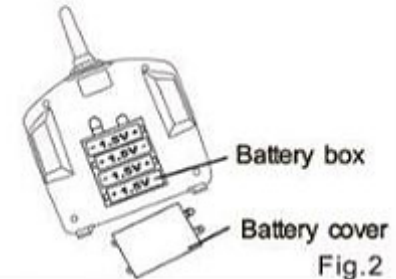


Fig.2

## Using instruction of charging power batteries

The USB plunge plug to the power connector. Insert the USB charging port into the computer for charging. (The light is off when charging. After charge full, the light is on)

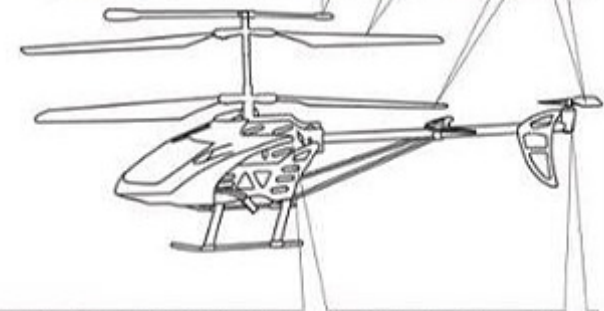


Fig.1

Notes: The product is equipped with battery. Please note the follows of safety in use.

1. When you finish to play the helicopter, you should wait 30 minutes then charge, if not it will be bad for the battery.
2. You can only use the USB cable provided by this factory to charge the helicopter.
3. Don't disassemble the battery.
4. Don't charge when the helicopter power switch is in the "ON" position.

It is dangerous for touching the high speed assembly when the helicopter is working.



Motor is a high heat part, pls don't touch to avoid the risk of scalding.

## Preflight conditions

Select a large, wide-open and windless area for flying, and make sure that there is no obstructions, animals or people nearby.

**Cautions** ① Be sure of the surroundings before flying.

② Don't play the model in the extreme weather, not at Fahrenheit temperature above 113 degrees, also don't play in the overheat or overcold, if not it will be damage or affect the flight.

③ Make sure that there is nobody using the same frequency as you do at the same time nearby.

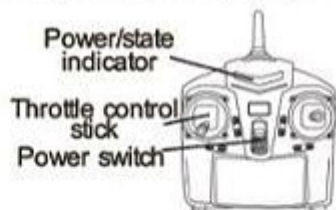
## Prepare for take off

1. Put the helicopter on the flat ground, and turn on the helicopter power, then all lights of indicator are flash.

2. Ensure that you are at least 2m away from the back of the helicopter (face to the tail).

3. Recheck the area to make sure it is clear of people, animals, trees, buildings, high voltage wire, and other obstructions.

4. Turn on the power of the transmitter and the state indicator begin to flash. Push up the throttle stick at its highest position and the state indicator begin to flash in high speed. Then pull down the throttle stick at the lowest position and the state indicator turns steady. So you are ready to take off. (fig.1)



**Caution:** 1. The propeller is the high speed assembly when the helicopter is working. Please keep away from it, it is dangerous for you.

2. Always plug the connector of the transmitter before taking off, then turn on the helicopter, and always turn off the helicopter before unplugging the connector of the transmitter battery. You can avoid injury that due to the incorrect turn on/off the system.

## Control method

**Control range:** the control range of the R/C helicopter is more 50 meters, don't play over this range.

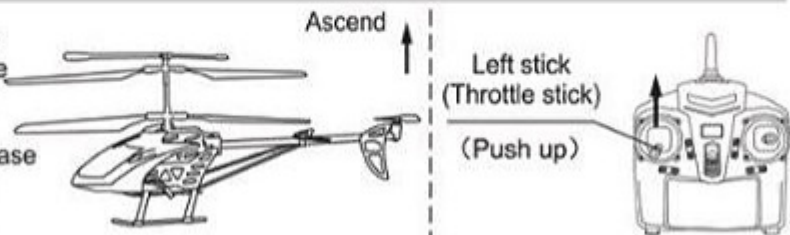
**Warning:** Please keep your helicopter in sight when you play.

Don't fly in the strong wind, wind may over power your helicopter and cause it to fly out of range. When the helicopter is out of the range, you will not be able to control it.

**Flying time:** On a full charge, and in low wind conditions, the R/C helicopter will fly about 6 minutes, if you find that the helicopter fly below one minute, or fly below when the throttle stick push up enough, please restart the helicopter after recharging the batteries.

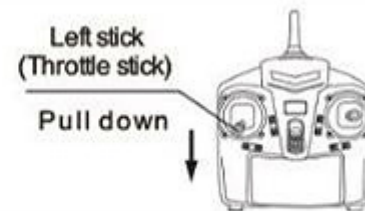
### Ascend

When you push up the left stick (throttle stick), the spinning speed of the main rotor blade is increase and the helicopter begins to ascend.



### Descend

When you pull down the left stick (throttle stick), the spinning speed of the main rotor blade is decrease and the helicopter begins to descend.

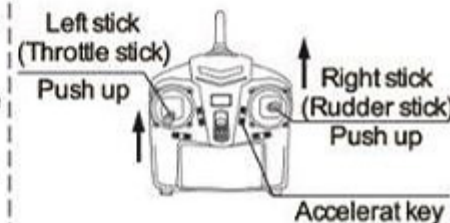
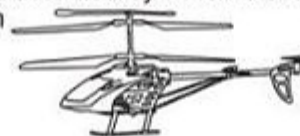


### Forward

1. When the left stick (throttle stick) is pushed up, at the same time right stick (rudder stick) is pushed up, the head of the helicopter will tilt downward and the helicopter moved forward.

2. When you press the accelerat key, the forward rate will slow up 30% than the normal flight.

Forward

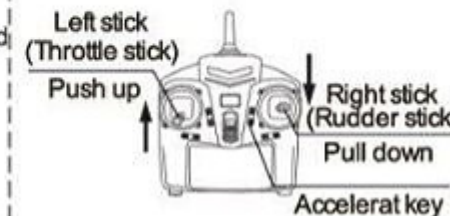
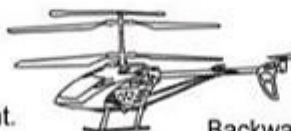


### Backward

1. When the left stick (throttle stick) is pushed up, at the same time right stick (rudder stick) is pulled down, the head of the helicopter will tilt upward and the helicopter moved backward.

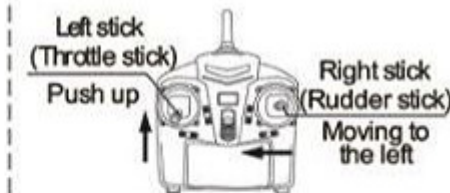
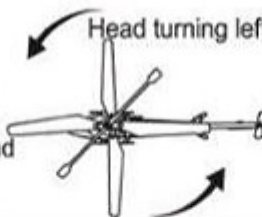
2. When you press the accelerat key, the backward rate will slow up 30% than the normal flight.

Backward



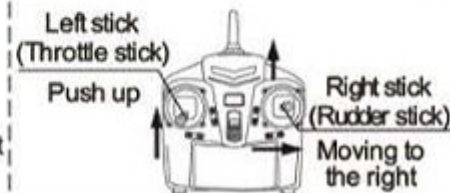
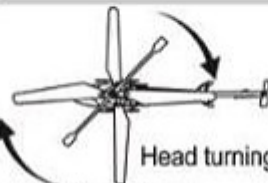
### Head turning left

When the left stick (throttle stick) is pushed up, at the same time right stick (rudder stick) is moving to left, the head of the helicopter turn to left.



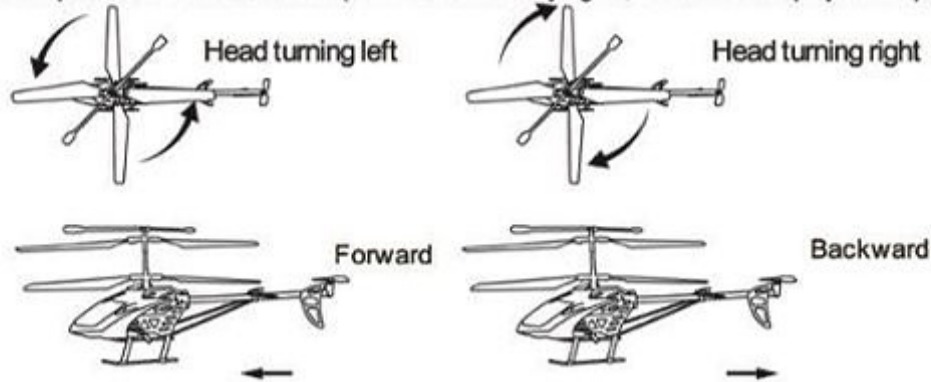
### Head turning right

When the left stick (throttle stick) is pushed up, at the same time right stick (rudder stick) is moving to right, the head of the helicopter turn to right.



## Auto Demo

When the helicopter is flying, press the Demo key, the helicopter will auto demo. At the same time, we can control the right stick (elevator) at first, when you stop pushing the right stick (rudder stick), the helicopter restores the Auto-demo (Press the demo key again, the Auto-demo play will stop.)



## Special suggestion

1. If you don't move the rudder stick in flying, the helicopter is still revolving in the sky. So you can adjust the rudder trim.

When the helicopter is left, please press the right rudder trim until the helicopter is still.



When the helicopter is turning to right, please press the left rudder trim until the helicopter is still.



## 2. Circuit protecting

When the battery energy of the helicopter is not enough, the helicopter will come into the state of protecting. The indicator of the receiver will flash. The helicopter has no reaction and it is a normal phenomenon. Then you should push the throttle switch of the transmitter to the lowest position. Then you should turn off the switch. Full charge for the helicopter, open the switch again, till the helicopter gets right. Then the helicopter is prepared for taking off. If the throttle switch of the transmitter is not on the lowest position, you operate it following the above instruction. The helicopter will take off immediately. It may cause danger to yourself or others.

## Troubleshooting guide

Problem	Cause	Solution
The indicator of transmitter doesn't work	Install the batteries but doesn't follow the right polarity.	Check and make sure that the batteries are installed by the right polarity.
	Batteries are drained.	Install new batteries.
The helicopter doesn't work	When the helicopter battery is low that low pressure protection for the helicopter.	Recharge the battery
	The helicopter is in the state of gyroscope detection.	Put the helicopter on the surface of the floor, detection again.
	The helicopter and the transmitter doesn't match code.	The helicopter and the transmitter restart and match code.
The helicopter is not flying high enough	Rotor speed is too slow.	Push up the left stick
	Low battery	Recharge the battery

## Caution

1. The control distance will be shorter if the controller or the helicopter is low on battery power.
2. Following behaviour can avoid destroying the battery: when the helicopter launches difficultly or fly is not enough please stop flying; when stop flying please turn off the power; when long time not use, please charge the batteries enough and remove it from the helicopter, push the battery switch to the off.
3. If you don't use the transmitter for a long time, remove all the batteries out, in order to avoid the battery leakage to damage this product.
4. Don't drop the helicopter from high position or crash it seriously, because that will damage it seriously or shorten the using time.
5. The operational range of the helicopter is 30M, please play it in the operational range. If the operational range between transmitter and helicopter is more than 30M, the helicopter may lose control.

## Warning:

1. You are responsible for the using of the helicopter. Make sure that it will not do any person and injury or damage the property.
2. When you adjust, assemble and fly the helicopter, you must operate it according to the operation instruction strictly. Make sure that your finger, head or other parts of the body away from the spinning parts. Otherwise it will cause damage to the helicopter or do harm to yourself.
3. The user is responsible completely for the correct operating and using the product. We and the dealer accept no liability for damage and loss that due to incorrect using and operating.
4. Forbid children under 14 years to operate the product.
5. This product is the fly model. As the other fly model, if crash it seriously with the other good, it will damage. We don't guarantee to repair for the accident or crash damage. Please keep the safety when you enjoy the flying.

## Accessories



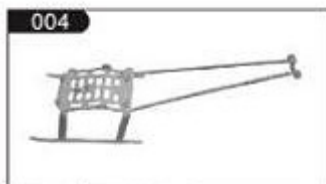
001  
Nose



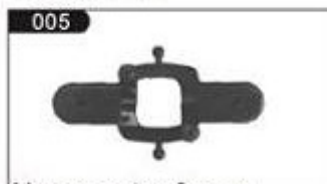
002  
Transmitter



003  
Main shelf



004  
Landing gear



005  
Upper rotor frame



006  
Main rotor



007  
8 connection



008  
The nose bracket



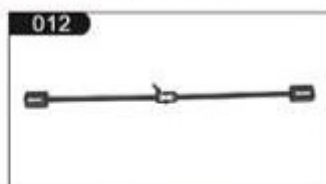
009  
Droop-wing lock



010  
Bearing holder



011  
Lower rotor frame



012  
Balancing wing



013  
Gear Assembly



014  
Gear B assembly



015  
Tail wind assy



016  
Main shaft



017  
Big bearing assembly



018  
Copper cover

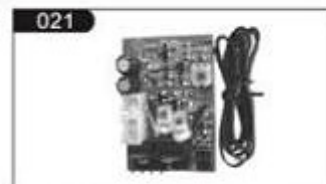
## Troubleshooting guide



019  
Right/left motor cover



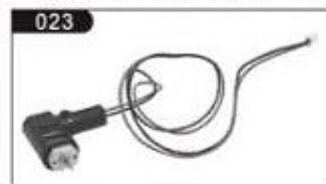
020  
Main frame flake aluminium



021  
Electronic circuit board



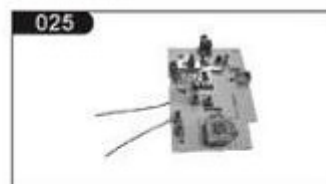
022  
Battery



023  
Tail motor assembly



024  
Tail rotor



025  
Radiation plate



026  
Nut



027  
back front motor rotor assy



028  
Front motor rotor assy



029  
Tail pipe



030

FCC ID: 2AEXV12345678<sup>1</sup>

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.<sup>1</sup>