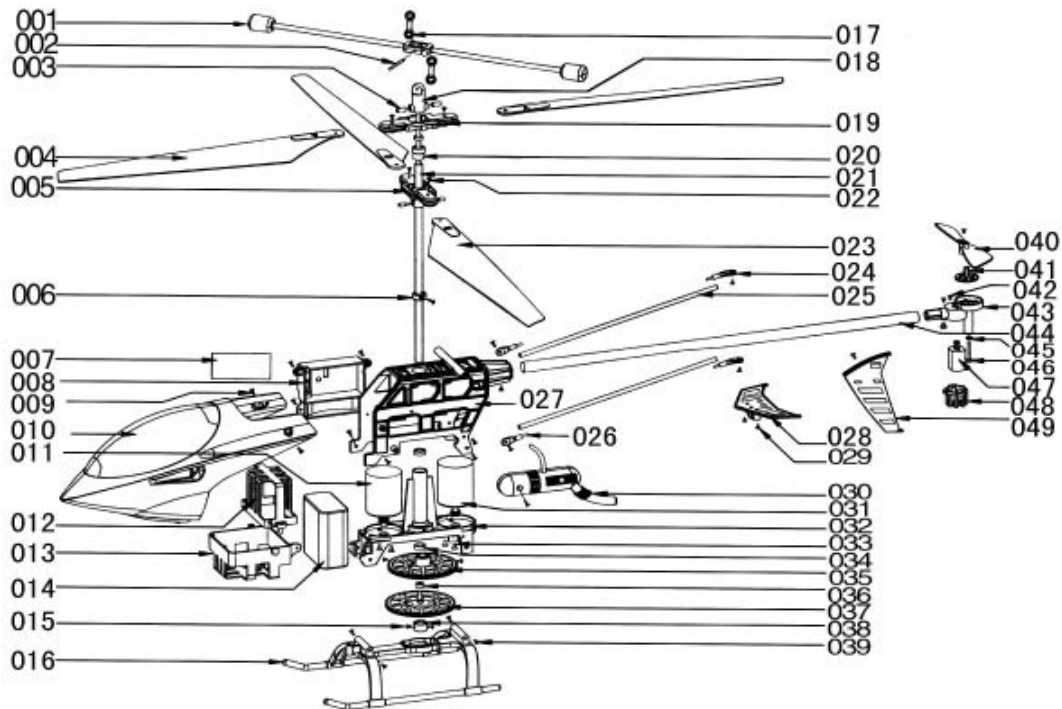


## 1. Main technical index of the R/C helicopter

Main technical index
Fuselage length:470mm
Main rotor diameter:450mm
Weight:413g
Frequency: 49MHz
Operational range:about 100m
Charge time:about 2 hours
Flying time:about 9 minutes
Use batteries/charger
1. Helicopter batteries(External):7.4V/1100 Li-po battery
2. Transmitter batterise:AA "1.5Vx8"(additional purchase)
3. Charger:AC:220-240V 50/60Hz
DC:8.6V 600MA

## 2.Parts of the names and accessories sales

### THE PARTS PICTURES OF R/C HELICOPTER



Fitting included:

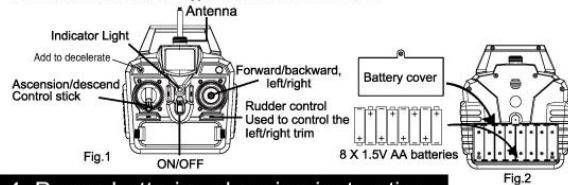
R/C helicopter---1 External 8.6V battery---1 Instruction---1 Tail rotor blade---1  
 Transmitter---1 Main rotor blade A---2 Transmitter antenna---1 Main rotor blade B---2  
 Charger---1

Numed	Amount	Names of the parts	Numed	Amount	Names of the parts	Numed	Amount	Names of the parts	Numed	Amount	Names of the parts
001	1	Stabilizer bar	013	1	Battery shell	026	2	Pieces of supporting bar fixed B	038	1	Bearing Outside $\varnothing$ 10.0
002	1	Iron Shaft $\varnothing$ 1.5*11	014	1	Battery	027	1	Main frame			Insidein $\varnothing$ 6.0*Long 5.6
003	2	Iron Shaft $\varnothing$ 3.0*8	015	2	Machine screws PM $\varnothing$ 2.0*2.5	028	1	Level wing	039	4	Screws 2.3*8
004	2	Main rotor blade A	016	1	Landing skid	029	15	Screws $\varnothing$ 1.7*6	040	1	Tail rotor blade
005	1	Under Clip	017	2	Connect button	030	1	Vent-pipe	041	1	1Gear drive
006	1	Single-space-Bush	018	1	Rotor blade	031	1	After motor	042	2	Screws PM1.4*w4
007	1	Receive board	019	1	Descend inner shaft	032	1	gear	043	1	Sets of roller drive
008	1	PCB box	020	1	Roll bearing	033	4	Screws PM $\varnothing$ 3.0*4.	044	1	Bar
009	1	Screw PM 1.7*6*W4	021	1	Hollow shaft	034	2	Bearing insidein $\varnothing$ 5.0*Our side $\varnothing$ 8.0*High 2.6	045	1	Meson
010	2	Cabin	022	4	Screws PM $\varnothing$ 2.0*8.0	035	1	Ascending gear	046	1	Iron roller drive shaft
011	1	Before motor	023	2	Main rotor blade B	036	2	Bearing insidein $\varnothing$ 2.5*Outside $\varnothing$ 6*High 2.6	047	1	Tail motor
012	1	Bttery7 cover	024	2	Pieces of supporting bar fixed A	037	1	Underside gear	048	1	Tail motor set
			025	2	Tail props up				049	1	Vertical wing

### 3. Instruction of assembling the controller

1. Insert the antenna in the hole of transmitter press lightly and turn clockwise, until the antenna is connected to the controller well. Extend the antenna, the control distance will be further. (fig.1)
2. Install 8\*AA batteries in the remote controller in right ways, plug adapters, (careful not to forcibly insert method, the method exactitude, plugs can be inserted into the slot smoothly, if not correctly will be inserted damage remote control, is very dangerous.) and then install the batteries into battery box. (fig.2)

Notice: 1. Install the battery must recognize the battery and battery box is precise plus or minus polarity, can't installation reverse. 2. Do not mix new and old batteries together when in use. 3. Please don't mix different types of batteries when in use.



### 4. Power batteries charging instruction

1. Helicopters to close the power switch, Pull out to open from the PCB plank power supply plug the battery plug link the plug of the battery to the charger up of refresh plug, the rechargeable battery charger plugs connected to the charging slot, then insert the power charger socket. When charging, the LED light get dark red take flicker. When charging is completed About 3 hours. Chargers LED lights extinguished, if the recharging time is too long and could lead to battery damage, scald or fire.

#### NOTICE:

1. Be sure the electric voltage in your living conditions suit the adapter, the plug insert correctly.
2. The battery is overheated when recharge time is too long, which can cause the damage, even make the battery failure. Please stop charge at once.
3. Take care of the battery when it recharge.
4. Please appropriate increase charge time after Li-Polymer battery is several recharged.
5. Do not throw the batteries into fire or any disassemble to avoid explosion hazard.

### 5. 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.

### 6. Prepare for take off

1. Put the helicopter on the flat ground. Should insert the PCB plank power supply plug. Then open the receiver switch, the battery plug, keep an airplane to be placed in Static appearance about 3 seconds towards.
2. Recheck the area to make sure it is clear of people, animals, trees, buildings, High voltage wire, and other obstructions.
3. Make sure that the transmitter antenna is completely extended the Power/state indicator begin to flash. Thendial the throttle stick at The lowest position, the power/state indicator turns steady on.
4. Insert the battery you can see the indicator of the receiver start to flicker, and the control signal is received by the receiver, so you are ready to take off. (fig.4)
5. Push up the throttle stick, if the helicopter is still revolving in the sky, please according to the "8 special prompt".
6. When the Slow, quick switch pull out toward "SLOW" in order to go forward, retreat speed to become slowly (in keeping with raw recruit), be a switch to pull out toward "QUICK" in order to go forward, retreat speed to become quick (in keeping with and well-trained)

### 7. Control method

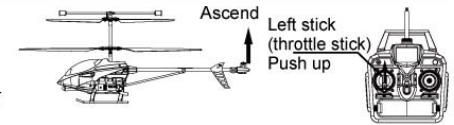
Control range. The control range of the R/C helicopter is about 30 meters.

Warning: Do not fly in strong wind, wind may over power your helicopter and cause it to fly out of range. when the helicopter is out of range, you will not be able to control it.

Flying time: On a full charge, and with kiw wubd cibdutib, the R/C helicopter will fly for about 9 minutes.

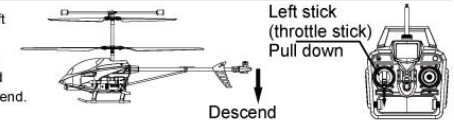
#### Ascend

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



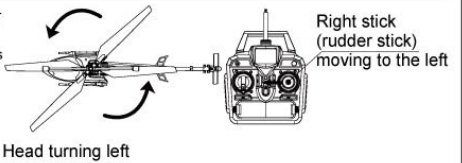
#### Descend

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



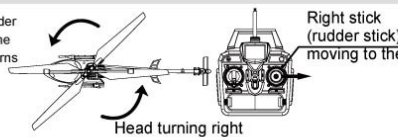
#### Head turning left

When the right stick (rudder stick) is moving to left, the head of the helicopter turns to left.




**Head turning right**

When the right stick (rudder stick) is moving to the right the head of the helicopter turns to the right.



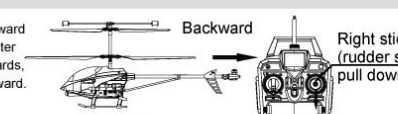
**Forward (onward)**

When the right stick (elevator) is pulled forward, the nose of the helicopter will tilt downward and the helicopter moves forward.



**Backward**


When the right stick (onward stick) is pulled back, the head of the helicopter will incline upwards and the helicopter goes backward.




**8. Special prompt**

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 turning to the left, please rightward clockwise turn slowly until the helicopter is still.





When the helicopter is turning to the right, please leftward anticlockwise turn slowly until the helicopter is still.


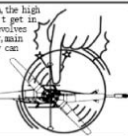


**9. Safety keep away**

After the helicopter usage moderate to use, the electrical engineering will produce high temperature, please don't meet a touch, until cool off down for a while.

After helicopter launch, the high speed that please don't get it touch with helicopter remove part. (include wheel gear, main rotor blade, etc.) they can cause injury.

**10. 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 new batteries
	Batteries are drained.	Install new batteries
No control	Transmitter's antenna is not screwed in place and/or is not fully extended	Ensure that the antenna is screwed into the controller and fully extended
	It is a windy day.	Do not fly in wind For it will limit or disturb your flying control
Helicopter is not flying high enough	Rotor speed is too slow.	Pushing up the left stick (throttle stick)
	Helicopter is not fully charged.	Fully charge your helicopter

**11. Caution**

- The control will shorter when the quantity of electricity is no full.
- The operational range of the helicopter is 50m, please play it in the operational range. If the operational range between transmitter and helicopters about 50m, the helicopter may lose control.
- Following behaviors can avoid destroying the battery: When the helicopter difficulty 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 from the helicopter, push the battery switch to the OFF.
- If the helicopter become damaged, deformation, please repaired in time, if the rotor become 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 the battery leakage to damage this product.
- Don't drop the helicopter from high position or shorten the using time.

**12. Warning:**

- You are responsible for the using of the helicopter. Make sure that it will not do any person an injury or damage the property.
- When you adjust, assemble and fly the helicopter, you must operate it according to the operation instruction strictly. Helicopter or do harm to yourself.
- The user is responsible completely for the correct and using the product. We and the dealer accept no liability for damage and loss that due to incorrect using and operating.
- Forbid children under 14 years to operate the product.

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

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.