

Please read the instructions carefully before flying

# R/C HELICOPTER SUPER APACHE



## INSTRUCTIONS OF "SUPER CYLONE" DOUBLE PROPELLER HELICOPTER

You cannot copy the parts of the instructions in any ways if you are not allowed by us.  
We're sorry to say if the content of the instructions is changed, we won't inform you any longer.  
If you have any questions, please contact us. Welcome to give us some good advice.  
We only explain and guide the operation of this product.  
We won't be responsible for the using of this product.

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### FOREWORD



Thank you for buying our model helicopter that is a finished product. You just adjust it a little and you can fly it at once. In order to make you master the flying ways faster and make sure the flying is safe. Please read the instructions carefully before flying.



#### WARNING

If you don't comply with these items, it may cause serious result, even death.



#### NOTICE

If you don't comply with these items, it may cause damage.

This helicopter is not a toy. You must make sure the operation is safe. It's not difficult to fly the model helicopter, but it needs to practice. If you are a green hand, please learn from the experience person in the local model club or store before flying. Our company and the sellers won't be responsible for any damage because of incorrect operation.

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



### WARNING

1. Please use the deing equipped with charger. If you use other chargers, it may cause damage.
2. when the charger is charging in the socket, don't cover it with other things. Otherwise it will make the charger in high temperature or broken.
3. Be careful of electric shock. Don't touch AC by wet hand. We must keep the charger in dry place and prevent it from wrtting.
4. Please take out of the charger in the socket after using every time.
5. If the line is broken or cannot connect well, please stop using it at once and change the charger. And the charger must match the local power supply.
6. Please see the power voltage of the charger clearly before using. Please base on the charging electric current and work out the charging time. (The normal charging time is 60 minutes.)
7. Don't remove or refix the charger by yourself.
8. Don't put the batteries and the charger in the car when the weather is not.
9. Don't put the charger in the water or throw it into the fire. Don't refix or solder the charger.
10. Don't use the charger or keep it near the fire, in high temperature or wet place.
11. Don't touch the motor after flying, or it may scald you.

#### Special notice

Both the batteries and the chargers are bought outside by us. Although we are strict in the quality, you must be careful of using. Don't charge the batteries without person in charge for a long time because it may have an accident.



### NOTICE

1. Don't use the helicopter in the same frequency in the same place at the same time, or it will disturb each other.
2. This helicopter is only flying in the balanced airflow.
3. Don't fly near the crowd, pets or any other obstruct.
4. Don't remove or refix the helicopter, it may have failure.
5. Your face and hands must be far away from the rotation parts. Pay attention to your hair and clothes not twine on the plane when it is rotating.
6. Please keep safe when it is flying in high speed. Don't sit on the chair or on the floor to control the helicopter so that you can move it quickly when it is necessary.
7. When your hand is away from the remote controller, please turn off the remote controller. The helicopter also must be turned of when it stops flying.
8. Because of the rotation prepeller in high speed may cause an accident. Please check the fixing screws of the rotation parts and make sure they are firm. You must wear a pair of eye patch when you are controlling the helicopter. And then let the children not colarto cmm
9. This helicopter is very ingenious, it may be broken if the operation is in correct or you bump it. In order to make sure the using is safe; you must read the instructions carefully and practice it again and again.
10. Don't use the broken and transmutative parts so that it is safe.
11. Some of the parts are small and sharp. Some of them are made of metal. Pay attention to the children not swallow or damage. If they have an accident, please send them to the hospital at once. Make sure keep these parts out of the reach of the children.
12. The specification and the shape of the product may be changed without inform you in advance.
13. Try to use it away from the strong magnet or other electric appliance equipment.



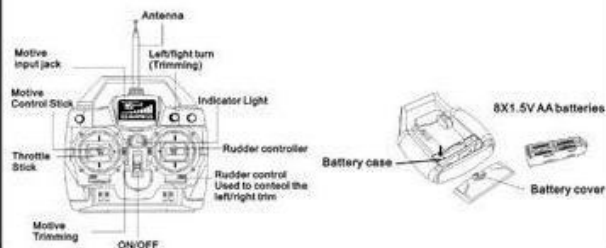
## PROFILE OF CYLONE HELICOPTER



VOGUE CYLONE R/C Model Helicopter copies and reduces CYLONE LONGBOW Helicopter. It can copy its suspending action, left & right yawing basic actions and so on. It is designed with the same axis and double propellers reverse. Up propeller can balance the fuselage when it makes raise force. Down propeller can make the different speed and change the angle of the propeller when it makes raise force. The same axis and the double propellers reverse design will balance out the torsion so that the helicopter can fly more steadily and agilely. It is adopted high strength and quality material. It copies the real fuselage design, it has a good appearance with good ability to resist falling.



### THE GUIDE OF THE REMOTE CONTROLLER







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## OPERATION GUIDE



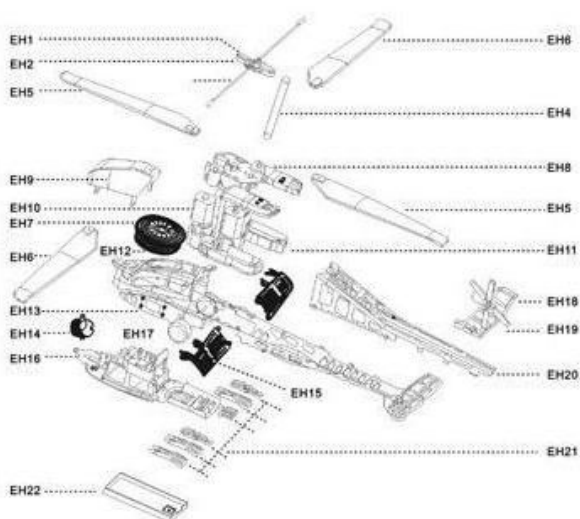
### Operating ways Diagram

Mode (1)	Mode (1)	Remote Controller /Mode (1)
Up and Down Control (CH1) Apply for 2CH 4CH Helicopter	Climbing ↑ 	 (2CH, 4CH)
Left & Right Turning Control (CH2) Apply for 2CH, 4CH Helicopter		 (2CH, 4CH) →

Remark: There are two modes in 4CH remote controller. ① The throttle control is on the left side. ② The other mode is on the right side.

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### THE STRUCTURE DIAGRAM OF THE HELICOPTER



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## THE LIST OF THE PARTS



Number	Quantity	Name	Number	Quantity	Name
WL1	1	The Front of Rotation	WL23		
WL2	1	the Front of Up Rotor	WL24		
WL3	1	Balancing Pole	WL25		
WL4	1	Outer Axis	WL26		
WL5	2	Main Rotor (A)	WL27		
WL6	2	Main Rotor (B)	WL28		
WL7	1	Gears of Outer Axis	WL29		
WL8	1	Up Fuselage Bracket	WL30		
WL9	1	Windshield			
WL10	2	Main Motor			
WL11	1	Down Fuselage Bracket			
WL12	1	Gears of Inner Axis			
EL13	1	Chassis			
WL14	1	Infrared Emitter & Receiver			
WL15	1	Missile Bracket			
WL16	1	Cockpit and Battery Bracket			
WL17	2	Tyre			
WL18	1	Stabilizing Fin			
WL19	2	Tail Rotor			
WL20	1	Tail bracket			
WL21	6	Missile			
WL22	1	Battery House			

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## FLYING PRINCIPLE

### 1. Suspending (picture 1)

When you turn on the power of the helicopter, it is standing by. It will do the right actions when it receives the signal from the emitter. (The remote control area must be within 50M.)

When the elevator of the remote controller is pushed up slowly, the rotation main rotor will speed up step by step. The propeller will make raise force up, too. When the raise force is larger than the weight of the helicopter, it will climb up. When the raise force is the same as the weight of the helicopter, it will suspend in the sky. (When the helicopter is stay there, the other operations must be in the middle state.)



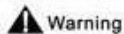
### 2. Left & right Turning (Picture 2)

When you pull the rudder in the remote controller left, or pull it right. The up and down propellers will speed up and down. They make the different speed. When you pull the rudder right, the down propeller will speed up and in crease the left torsion. If the left torsion is larger than the right torsion of the up propeller, the tail will turn left and the fuselage will turn right. Otherwise, when you pull the rudder left, the tail will turn right and the fuselage will turn left.



### 4. Left & Right Yawing

When you pull the left & right controller (Ch4) left or right, the helicopter's direction slider will glide left or right and make the main rotor rotation incline left or right. At the same time the helicopter will yaw left or right.



**Warning**

Notice: This product is not a toy. It's suitable for 14 ages up. In order to keep safe, please read the instructions carefully before operating.

## GETTING READY FOR FLYING

First, you need a suitable place for flying. For example a big room or a small meeting room without obstructs. And make sure there is no airflow in the room. You had better use the smooth ground to help the wheels glide on the ground such as the tiles. If there is a carpet on the ground, the wheels may trip over and the helicopter will turn over. Next, please check the power of fuselage batteries and the batteries in the remote controller if it is full enough. And check the parts of helicopter if they are fine and the screws and rotation parts are firm. If you find any problem, please mend or change it in time.

Turn on the switch of the remote controller and take hold of the bottom of the helicopter by your left hand. And let the rotor blades be away from your hands and body. Install the fuselage power batteries and turn on the power switch, the helicopter is standing by your order. You can pull the elevator up slowly, and the rotor will speed up. Please watch the rotor motion if it is steady or there is any tremble. If the motion contrail of the up propeller overlaps the down propeller or the motion is unsteady. Please adjust or change the propellers at once.

When this model helicopter is filed by the children, the children must operate it with the adult or the specialty. Person's guide.

This helicopter is being equipped with the chargeable batteries of the fuselage. But you need to buy the batteries of the emitter in addition. Please charge the chargeable batteries before flying and make sure they are full. And the voltage of the emitter must be full, too.

This model helicopter must fly in the environment without wind. You must adjust it and make sure it is in balance both static and dynamic state, and all the parts are fixed and agile before flying. Make sure the voltage of the emitter batteries (remote controller batteries) and the receiver batteries are in normal before flying.

The adjustment of the static state

Install the fuselage batteries in the battery house first. Don't turn on the power. Let the fuselage and the main rotor in balance. Take hold of the aileron pole of helicopter by hands and watch the center of gravity of the helicopter. And adjust the forward & backward position of the batteries and make the helicopter keep in balance.

The adjustment of the dynamic state

Turn on the power of the remote controller, then the power of the fuselage. At this moment the helicopter is standing by flying. Pull the throttle controller from down to up and the rotation speed of the main rotor will speed up. Before the helicopter is taking off, please watch the motion if it is correct. If there is any question, please check and solve it and then begin to fly.



Notice: you can use a red sign stick at the end of one of the propellers. It's easy for you to check the accident and the "double propellers" if they overlap.

Up main propeller: Please see Picture A, stick the sign at the end of the right side of up main propeller.

Down main propeller: Please see Picture B, stick the sign at the end of the right side of down main propeller.

## THE CHARGING AND THE MAINTNANCE OF THE BATTERIES

This helicopter is being equipped with the fuselage power batteries (you need to buy the batteries of the remote controller in addition.) You must charge the chargeable batteries full before flying. And the voltage of the remote controller is at least 8.4V. You can choose the suitable charger according to the standard in different countries.

Charger input voltage: 120V/60hz (America and Japan)

Charger input voltage: 240V/50hz (Australia)

Charger input voltage: 230V/50hz (Europe)

Charger input voltage: 220V/50hz (China)

Charger output voltage: 8.4v/250mA(2CH) 7.4v/800mA(4CH)

Chargeable battery output voltage: 8.4v/350mA(2CH) 7.4v/850mA(4CH)

The charging time of the fuselage power battery is: 90minutes

You can choose the different plugs to charge the batteries. But the charging time is neither too long nor too short. When the time is too long, the batteries will too hot and it will damage the batteries. When the time is too short, the power of batteries will not enough to fly. The outside temperature of the battery cannot be above 60°C

If there are charging indicator lights: Lithium charge (green that has been connected to a power supply or battery, the red HEC said it is charging); Nickel hydrogen charge (red-light said it is charging, the red light covertly expressed Xinhua Pool nearly full).

Please charge the battery according to the charging guide. Please pull out of the plug of the fuselage battery and turn off the remote controller after flying.

Please charge the fuselage battery and the remote controller battery up to 50% and then take them out and keep it well if you don't want to fly for a long time.

Notice: Please keep the batteries out of the high temperature, water, corrosive or metal conductor. You must pull the charger out of the power when you finish charging. Don't charge the batteries without person in charge for a long time because it may have an accident.

## THE NORMAL PROBLEMS AND SOLUTIONS

Problems	Reason	Solutions
● No motion	<ul style="list-style-type: none"> <li>Without battery</li> <li>The receiver cannot receive the signal.</li> <li>It can't protect itself automatically because the voltage of batteries is not enough.</li> </ul>	<ol style="list-style-type: none"> <li>Check the connection of the batteries and the fuselage.</li> <li>Check the remote controller if it turns on and check the sending frequency whether it is match the receiving frequency or not.</li> <li>Charge the batteries</li> </ol>
● The motor cannot drive.	<ul style="list-style-type: none"> <li>The motor may be broken.</li> <li>The motor may be too not.</li> <li>The connection of the motor breaks away. The wire is slop.</li> </ul>	<ol style="list-style-type: none"> <li>Please change the motor.</li> <li>Let the motor have a rest.</li> <li>Solder the motor again or change the wire.</li> </ol>
● The helicopter is uncontrolled. It flies left and right, up and down without direction.	<ul style="list-style-type: none"> <li>Check the receiving antenna if it breaks away.</li> <li>The wind is too strong when it is flying.</li> </ul>	<ol style="list-style-type: none"> <li>Please fix firm the receiving antenna.</li> <li>Please don't fly it in the wind. Please close the window and turn off the fan when it is flying in the room.</li> </ol>
● It cannot fly too high	<ul style="list-style-type: none"> <li>The propellers may deform.</li> <li>The motor is too hot.</li> <li>The fuselage batteries are not full.</li> </ul>	<ol style="list-style-type: none"> <li>Change the propellers.</li> <li>Let the motor have a rest.</li> <li>If the helicopter still cannot fly after a rest, please change another motor.</li> <li>Change the batteries.</li> </ol>