

# YD-719

(360° eversion)  
4-channel R/C UFO with gyro



2.4G

## MAIN PARAMETERS:

Main blade diameter:	152mm	Frame width:	280mm
Frame length:	280mm	Frame height:	70mm
Battery:	3.7V600mAh Li-po	Main motor type:	N20 4pcs
Total weight:	100g±2g	Charge time:	About 80 minutes
level:	Built-in	Flight time:	7-9 mins

## MIAN FEATURES:

- 1: the 4 motors within the heli give the heli stable flight and enable it to perform the actions easily
- 2: with the modularized structure, it's easy to install and convenient to disassemble for repair
- 3: with the 6 axis gyroscope and position control system automated, the heli can be easily stopped and accurately aloft
- 4: once fully charged, the 3.7V600mAh Li-Po battery gives approximately 7-9 minutes flight



## 1. INTRODUCTION

Thanks for choosing ATTOP product! This is a 4 axle aircraft which is capable of flying in confined space and outdoor, in order for you to maneuver the R.C. helicopter more conveniently and easily, please fly it only after this instruction manual is carefully read, in the meantime, this manual shall be properly kept for future necessary adjustment and repair work.

This aircraft, regardless of location, weather, as long as the wind scale is no more than category 4, can satisfy your desire for flying.

### WARNING LABEL LEGEND



**WARNING** Mistakes made due to negligence of these operation instructions may cause property loss and severe human injury.



**CAUTION** Mistakes made due to negligence of operation instruction may cause danger.



**FORBIDDEN** Please do not fly the R.C. helicopter under any specified forbidden environment.

### IMPORTANT NOTES

This RC helicopter is not a toy, though it is just a mini RC 4 axle heli, it still could be dangerous. Please fly the model RC heli according to the manual instruction and its notices. Any modification, maloperation or unfamiliarity to the heli could bring about unexpected danger or accident, please be prudent.

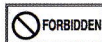
NOTE: for any RC helicopters, neither manufacture nor dealers is responsible for any losses caused by maloperation or improper assembly or accidents owing to abnormal abrasion or inappropriate environment. This product is suitable for 14 years old and above. Please only operate the heli in safety environment, once sold; ATTOP will not hold any responsibilities for property loss and personal injury caused by maloperation, disassembly and modification.

This model RC heli requires high operation skills and is consumable. After its package is opened and the heli is flown, varying degree of abrasions occur. Malfunction or dissatisfactory brought about during usage will not be entitled to replacement nor return. In case of operation and repair instruction, please contact ATTOP and our agencies for technical support and after sale service.

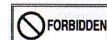
## 2. SAFETY NOTES



**CAUTION** R.C. model and 4 axle aircrafts are products with danger; it must be away from the crowd when flying. Misassembly, defect, poor performance of the electronic control or improper operation could lead to unexpected incident like plane damage or personal injury. Please pay attention to flight safety and make sure it is well understood that responsibility will fall on the player for accidents caused by himself.

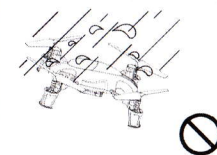


**FORBIDDEN** R.C. heli. is for indoor and outdoor use only, must stay away from obstacles when flying. This product is suitable for indoor and outdoor (wind scale must be under 4) use only, for indoor, please make sure it is clear of obstacles; for outdoor, stay away from crowd and pets etc, do not fly it in improper environment, such as areas with heat source, power line and power source etc. otherwise, fire or electric shock, loss of fortune or personal injury could occur due to crash, emergency landing or entwining.



### Stay away from damp conditions

The interior of heli consists of many precise electronic and mechanic components, therefore moisture and water must be prevented and it shall not be performed in bathroom or in rainy days to avoid breakdown of the components that may cause unexpected accident!



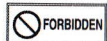
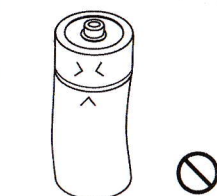
### Use the product properly

Please do not tear apart or modify the RC heli at will and only apply authentic ATTOP components to update, replace or fix RC heli to ensure its safety. Please only maneuver it within its limit. Any illegal purpose of use concerning its safety shall be stopped.



### Attent ions to battery

When install batteries, make sure the electric polarities are correct, do not mix new batteries with old ones. For long time storage, please take them out to prevent battery leakage. Please dispose abandoned batteries in accordance to the laws and regulations of the corresponding region to prevent pollution to the environment.

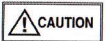
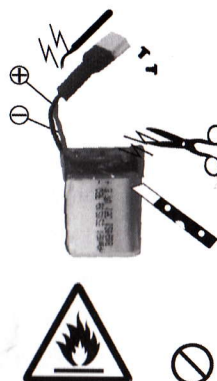


### Instruction Li-po battery

LI-Poly battery is comparatively more dangerous than other batteries. Please make sure below instruction is carefully read and rigorously followed prior to using them. ATTOP shall not be responsible for any damages caused by improper operation of the battery.

The battery can only be charged by authentic ATTOP charger, otherwise it may lead to fire or explosion. Do not hit, disassemble, burn or connect them to the wrong pole. Avoid contact from metal or sharp item otherwise it may cause short circuit or fire.

Be cautious when charging the battery and make sure it is within sight and beyond the reach of children to avoid any danger. Please do not charge the battery if it becomes when during usage. Otherwise it will inflate, deform or even cause fire which could cause property damage and personal injury. Please dispose abandoned batteries in accordance to the law and regulation of the corresponding region to prevent pollution to the environment.



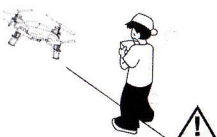
### Stay away from heat source

Most of the RC aircraft are made of PA fiber, plastic and electronic materials therefore it should stay away from heat source, sun shine to prevent deformation even damage caused by high temperature.



### Not to do it alone

This product is suitable for 15 years old or above. It is not easy to learn to fly 4 axle RC heli at the beginning, try not to fly it alone and make sure with experience adult instructing.





### 3.STANDARD EQUIPMENT

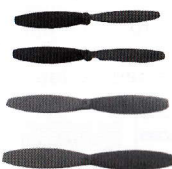
YD-719spare parts



Li-poly battery 3.7V600mAh 20C

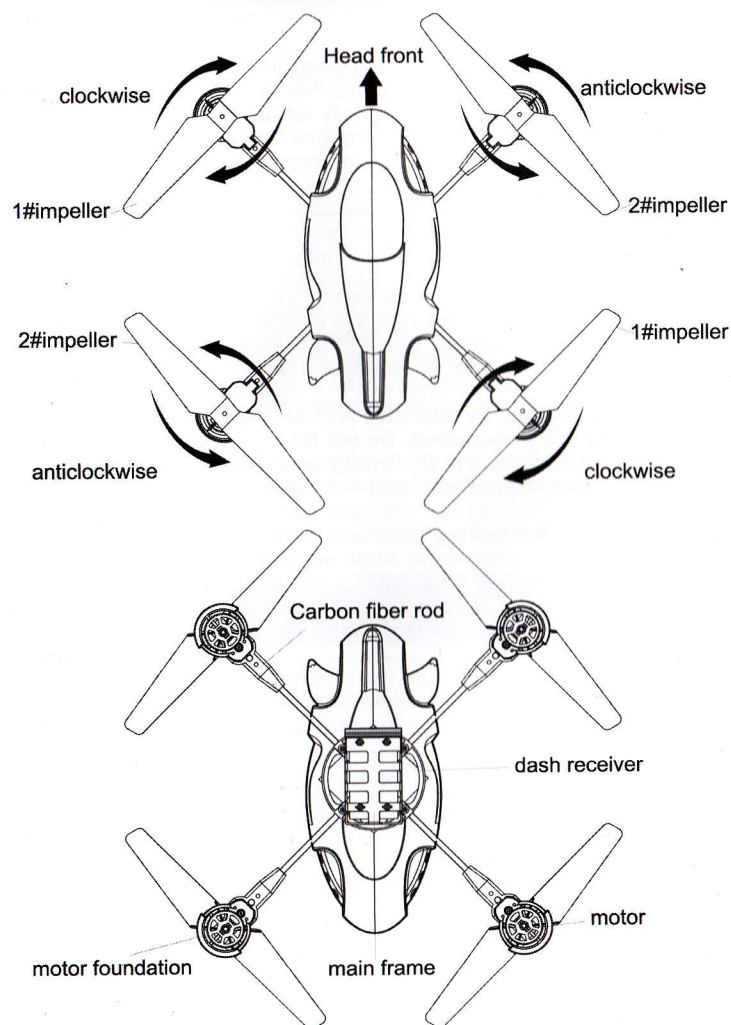


YD-719 USB cable

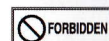


forward direction blade \*2pcs  
backward direction blade \*2pcs

### 4.NOMENCLATURE

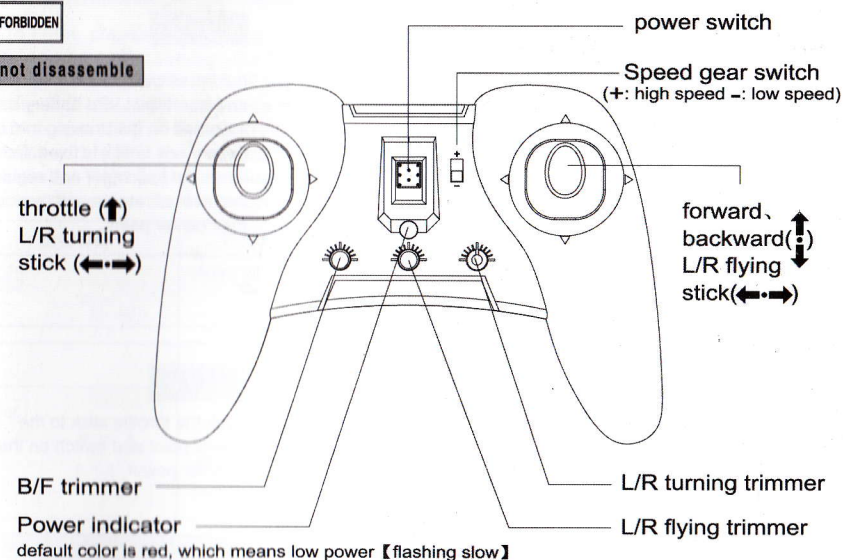


### 5.NOMENCLATURE

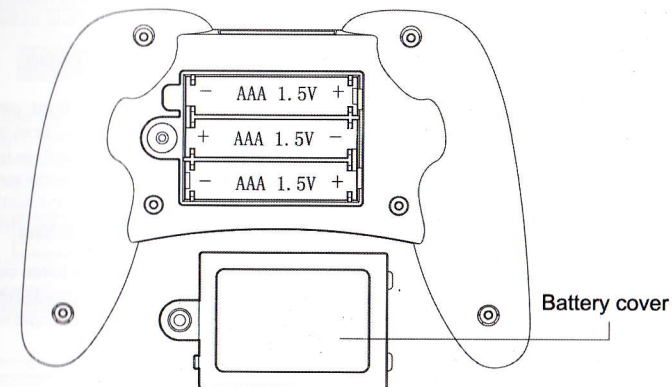


FORBIDDEN

DO not disassemble



(NOTE: the aircraft will perform 3D rolling movement when the speed gear is on "+" and the according stick is pushed to the highest point. Please think twice before you make this operation!)



### 6.SPECIAL TIPS BEFORE OPERATING

1. Power on the aircraft: Connecting the power of aircraft, then put the aircraft on a flat ground or table.
2. power on the remote: Before switching on the remote, make sure all the trimmer arrows are pointing to the center, the 3D speed switch should be in the "-" mode, finally switch on the remote.
3. Notes when flying: Throttle down the throttle stick to the lowest position promptly if the aircraft is crashing or the rotor block down. Otherwise, the received circuit board will be damaged.



## 7. BINDING OF RADIO TRANSMITTER AND RECEIVER

### STEP1

put the aircraft on a flat surface and insert the Li-Po battery as indicated on the drawing into the battery box until it is fixed. Do not move the helicopter and regulate the lever of remote and gyro to their center point

Li-poly battery  
3.7V600mAh/20C



put power joystick to lower

### STEP2

push the throttle stick to the lowest point and switch on the remoter power

NO/OFF power switch

### STEP3

after flight, please remove the battery from the helicopter and please form a habit doing this to keep them well maintained.



if not taken out, they may be damaged due to over discharging, which could even cause fire.

### STEP4

for long time storage, please remove the batteries and keep them well maintained.



if taken out, they may be damaged due to over discharging, which could even cause fire.

NO/OFF  
power switch

For long time storage, please remove the battery from the remote and keep them well maintained.

## 8. FLIGHT ADJUSTMENT AND SETTING

### PRIOR TO FLIGHT, PLEASE PRACTICE FIRST

Prior to flight, please practice first so as to acquaint yourself with the operations. Before it is well understood how to maneuver the flight, please do not fly the R.C. heli. Please read instruction manual and keep practicing until the basic flying skills are mastered.

1. put the R.C. heli in an open area with its tail facing the player.
2. practice operating all the controlling sticks on the remote (see detailed operation in below picture) and repeat the practice for throttle sticks, L/R turning trimmer, and F/B flying trimmer.
3. practice for flight is crucial, please keep practicing until all the operations can be done on hearing the orders for each movement without thinking

MODE	ILLUSTRATION	MODE	ILLUSTRATION
Aileron		Throttle	
Elevator		Rudder	

### FIRST FLIGHT ADJUSTMENT AND ATTENTIONS



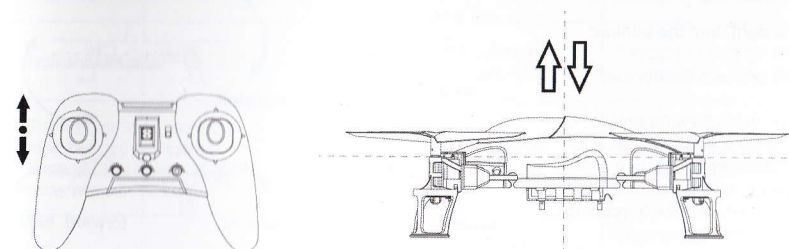
Please only fly the R.C. heli in an open area clear of crowd and obstacles, either indoor or outdoor

- Double check if the screws are all tightened?
- Double check if the battery power for transmitter and receiver is enough.



- Please reconfirm there are no other people and obstacles
- To ensure safety flight, the pilot must first learn to control the helicopter to hover. This is the basic for flying a R.C. helicopter. (Hover: it means the helicopter stay aloft and maintain in one position)
- When practicing flying, stay 2 meters away from the back of the helicopter.

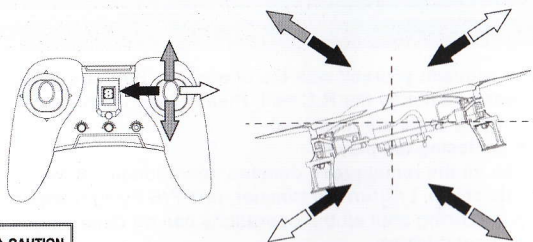
### THROTTLE CONTROLLING PRACTICING



When helicopter flies off the ground, slowly throttle down and land the helicopter. Keep repeating this action until you feel confident about the controlling the throttle.



## AILERON CONTROL AND CLIMBING AND DIVING PRACTICING



1. slowly push up the throttle stick.
2. perform following actions in sequence:  
move backward/forward/left/right, then control the aileron and throttle tick to return the heli to its original position.
3. this heli has leveling function, when the rudder stick returns to the center, the heli will hover horizontally!



- If the heli flies out of its course, slow it down and then land it. Then, move to the very back of the heli 2 meters away and keep practicing.
- If the heli is too far from you, land it first and move closer to where it is 2 meters away from the heli and keep practicing.

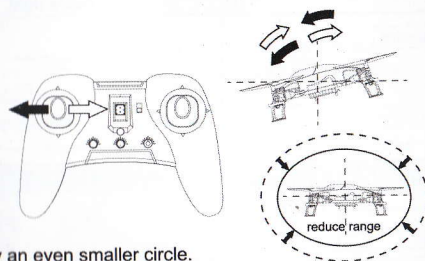
## RUDDER CONTROLLING PRACTICING

1. slowly push up the throttle stick
2. fly the heli to the right and then gradually turn rudder stick in the opposite direction and retrieve the heli to its original position

### Step 4

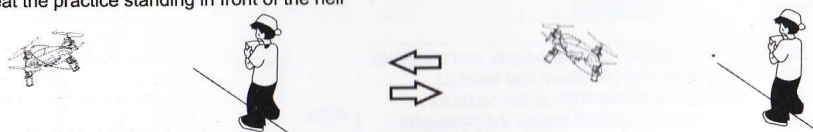
when you feel confident about above actions in step 1-3. Draw a circle on the ground and maneuver the heli within the circle. This can be done to enhance your control accuracy in flying the heli.

- As you get more adept in performing those actions, try an even smaller circle.



## CHANGING THE FLYING DIRECTION AND PRACTICING ON MAKING THE HELI HOVER

When you get adept about step 1-4, try practicing those actions standing on the side of the heli and then repeat the practice standing in front of the heli



## TRIMMING ON THE FLYING ACTIONS

Slowly push the throttle stick up till the heli flies off the ground. If the heli tilts, trimmer can be utilized to modify it

### 1. adjustment on direction

When the heli takes off, if it flies to the left/right

If it flies to the right, turn the trimmer to left

If it flies to the left, turn the trimmer to right

### 2. adjustment on flying forward and backward

When the heli takes off, if it leans forward/backward

If it leans forward, turn the trimmer down

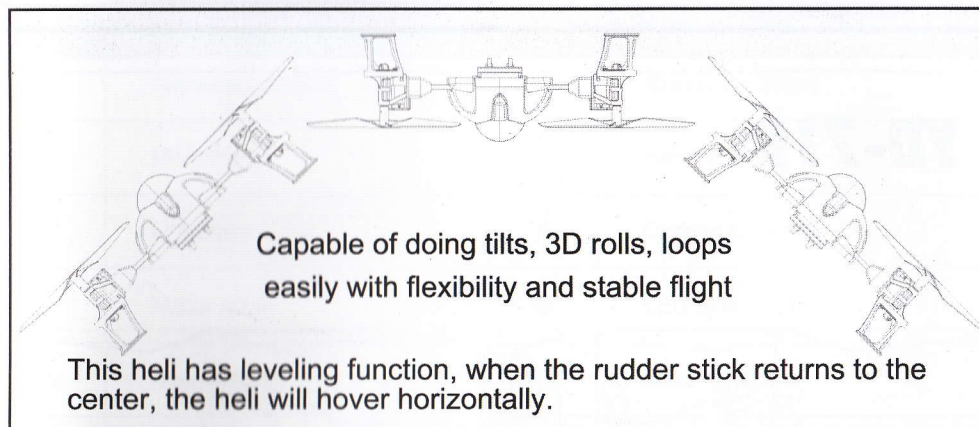
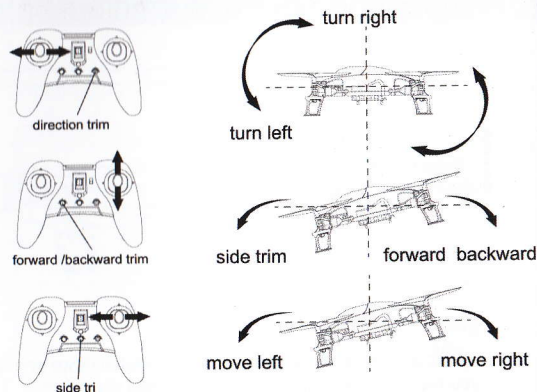
If it leans backward, turn the trimmer up

### 3. adjustments on level turn

When the heli takes off, if it leans to the right/left

If it leans to the right, turn the trimmer to left

If it leans to the left, turn the trimmer to right



Capable of doing tilts, 3D rolls, loops easily with flexibility and stable flight

This heli has leveling function, when the rudder stick returns to the center, the heli will hover horizontally.

When all the above mentioned actions are all well mastered, some exciting actions like rolling and looping can be practiced. First of all, switch the throttle stick to "+", after the heli reaches the height of 3 meters, pull the rudder and turning trimmer to the lowest point and then fully release them, sequentially, the heli will roll. Interval for the rolling action is 4 seconds.

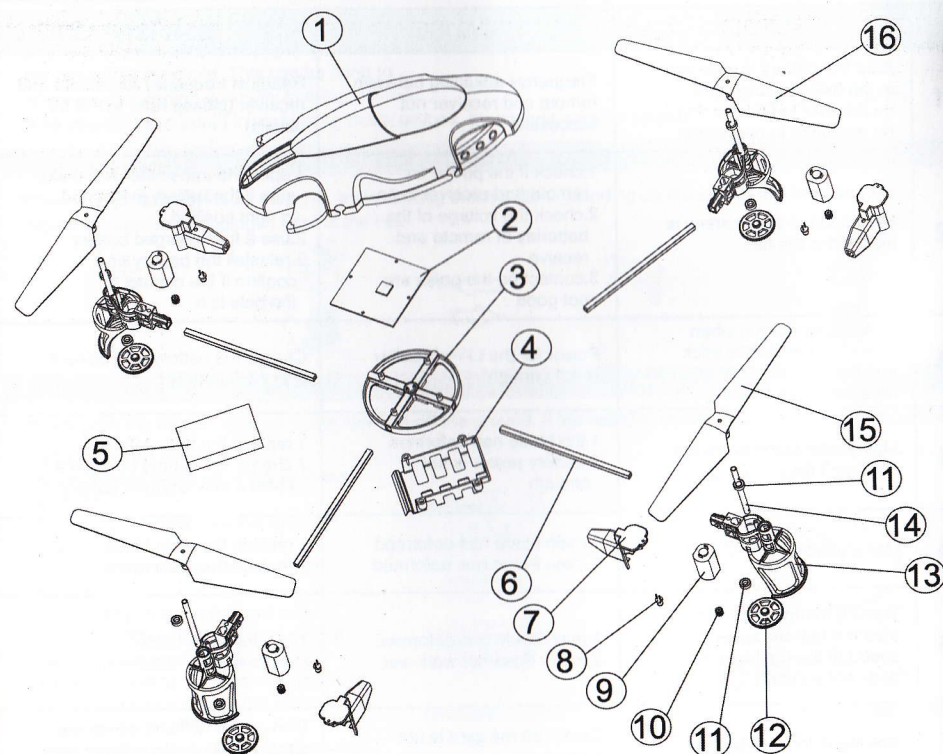
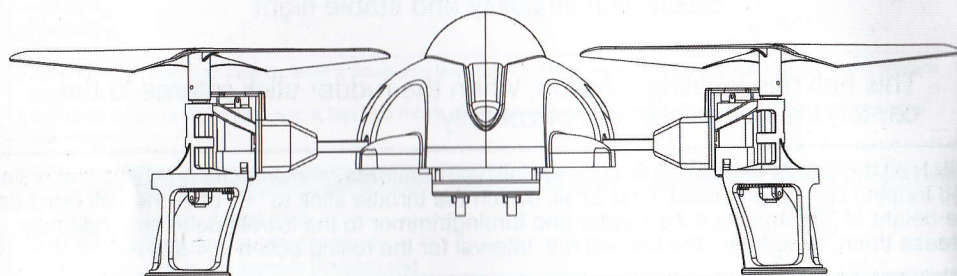
## 9. TROUBLE SHOOTING DURING FLIGHT

	ISSUES	CAUSE	SUGGESTIONS
1	After the battery is inserted in the heli, indicator light on receiver keeps flashing, no response to operations	Frequency adjusting between remote and receiver not successful	Readjust frequency for remote and receiver. (please refer to P.6 for details)
2	No response after battery is inserted in the heli	1. check if the power for remote and receiver is on 2. check the voltage of the batteries of remote and receive 3. contact on the poles are not good	1. open the transmitter and make sure if the battery is inserted in right position 2. use a fully charged battery 3. reinstall the battery and confirm if the contact for the pole is o
3	Motor does not run when operating the throttle stick and the indicator light on receiver keeps flashing	Power for the Li-Poly batter is not enough	Charge the battery or replace it with a full battery
4	Main motor blade spins but heli won't fly	1. the blade has deformed 2. battery power is not enough	1. replace the main blade 2. charge the battery or replace it with a fully charged battery
5	Heli shakes a lot	1. main blade has deformed 2. main frame has deformed	1. replace the main blade 2. replace the main frame
6	Turning trimmer has been tried but heli still spins, speed to the right and left does not conform	1. main blade has deformed 2. motor does not work wel	1. replace main blade 2. replace main motor
7	Heli leans forward/backward	Center on the gyro is not correct	Turn on the heli and center the climbing and diving trimmer then restart the heli
8	It won't fly after it falls down	1. motor has dropped off 2. gear has loosened	1. reinstall the motor 2. tighten the gear



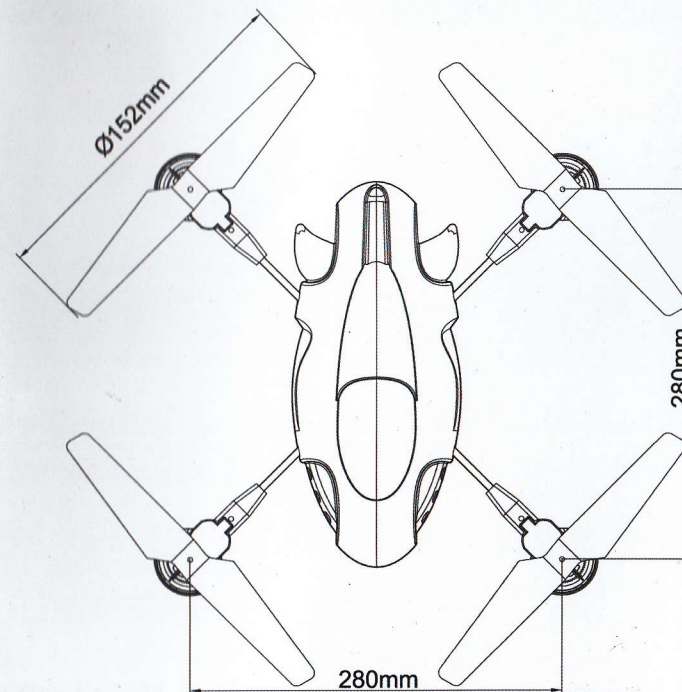
# 10.PARTS LIST

## YD-719



NO	NAME	NO	NAME
1	Airframe housing	2	Receiving board
3	Main frame	4	Battery case
5	Li battery	6	Carbon fiber tube
7	Motor cover	8	LED white light
9	Main motor	10	Motor gear
11	Bearing	12	Main gear
13	Motor seat	14	Main steel tube
15	1# blade	16	2# blade

Materials, specifications for the parts and packing indicated in the instruction manual are only for reference, ATTOP will not be responsible for their changes in future nor could we notify consumers. For any updates and changes, please refer to ATTOP website.







# QUICK OPERATION MANUAL FOR 4 AXLE AIRCRAFT

Esteemed Customers, very thanks for your choosing our YD-719 4 Axle Aircraft from Attop, please take your little time to refer to bellowed Quick Operation manual if it was your first time to play it, and it is trusted to help you playing well.

This 4 Axle Aircraft is a standard aircraft model, not a toy product. Please make sure to operate it under supervising by adult which having model-playing experience, supposing juveniles played it.

Special notice point for new you:

1、Please make sure to connect the power or charging in the right way under the instruction of positive and negative electrode. If opposited way and inserted, or using unmatched charger, the electric parts would be burnt out instantly.

2、Turn to “—” on low shift on controller when New you operated it, if losing control to bump into something please trun the accelerator(power stick) to the lowest position at once, to make sure stopping to output power from the machine, which very important for protecting the aircraft to decrease the damage. Please keep it in mind strongly that, turn lowest the power stick if it seemed to bump into anything.

3、Frequency connection: charging enough the power on aircraft, then put it on horizontal position ( Green & red light flasing on receiving board to ready for Frequency connection) Turn on the power of controller to connect the frequency. The controller would get the sound such as “Di Di”, and red light on receiving board & instruction light on controller flashing slowly, then push the power stick on controller from lowest to uppest position, and lowest, the red light on receiving board turn green, and red one on controller turn to be stable from flasing. In this way frequency connected, push up the power stick on controller slowly to go for it.

Remark: After connecting the power, the aircraft should be kept on horizontal position, or it would affect the degree of Gryoscope. ( Supposed the instruction light on controller flashed slowly to show it not enough power after connecting frequency, it's necessary to use battery to make sure enough power. If failed to connected frequency. Please repeat the above way)

4、3D unlimited eversion: Turn to “+” on low shift on controller to get in Eversion Mode. When hovering push the direction stick to the end of all direction quickly, then get into the 3D eversion performance.

Tips: push a little bit throttle stick when you get into the 3D eversion performance. It can make the aircraft more stable and smooth hovering after eversion.

Remark: If you were new to play, don't rush to perform the 3D eversion unless you become very good at playing it, or it will occur the damage for not only the aircraft, but yourself or other persons around.

Suggestion: It need some patience to play such a model when new you, keep practicing to accumulate your experience, to be able to do right reaction when anything happened when flying. The points of controlling it well are: concentrated and agile, brave and careful. It is sure to get you large fun when you are able to control it well. Hope you get fun everyday.

