



TM

CHEERSON

**AGES**  
**14+**

# **USER MANUAL**

**NO.CX-10**

Please read the instruction manual carefully before operation.

# Safety Guide of Lithium Battery



## Warning

Under the condition of non-operation, charging to the lithium battery may cause fire or injury or loss of property. The user should well notice the risk hidden when using this kind of product. The manufacturer or sales agent or retailer who making or selling this product won't take any responsibility for any accident happened. Please read carefully the safe guidance and charging instruction before using this product.

Please put the battery on the place where is far away from the children or pet. User on or less than 18 years old should use this product under the guidance of adult. Children under 14 years old should not operate it by its own.

## Guarantee of the lithium battery:

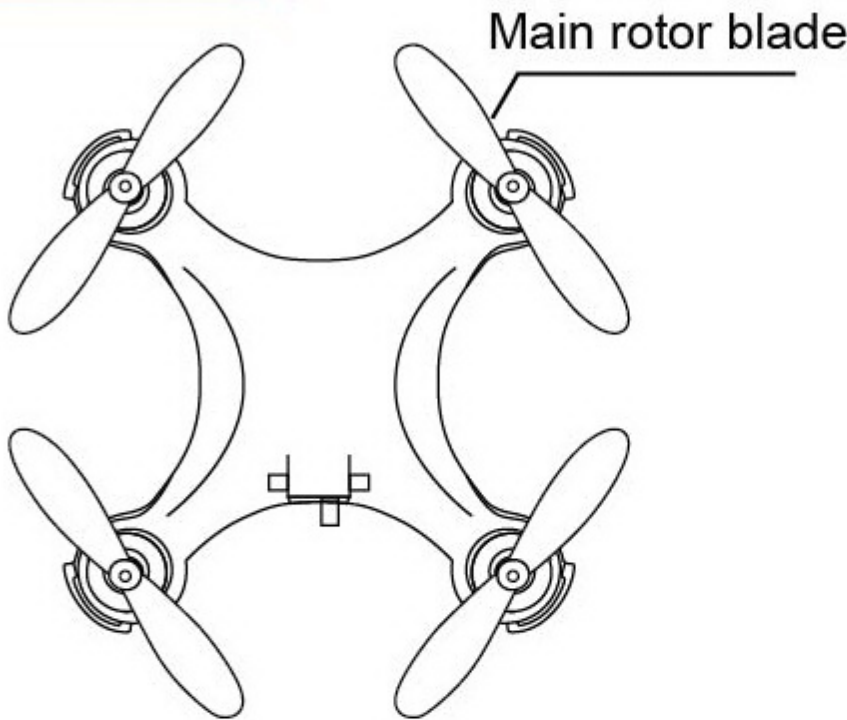
The guarantee of this product is only for the raw material and the workshop only. However, no guarantee is given to this product. Under any circumstances, our company won't compensate the amount that higher than the retail price value.

1. It is highly forbidden to charge it for a long time under unattended condition so as to avoid the accident.
2. Please use the original charger included for charging this product.
3. It is highly forbidden to decompose or disassemble the battery.
4. Batteries are forbidden to be used or kept under high temperature or heat source or near the flammable product.
5. When charging the battery, covering the charger or battery is highly forbidden. Please keep ventilation and make sure that it should be charged under the condition of fire safety.
6. If the battery sends out smelly odor or gets heated or deformed or there is any abnormal phenomenon happened during the process of charging, please remove the batteries from the charging device or charger and move to the safety outdoor place (If there are batteries which appear abnormal phenomenon, please DO NOT litter around. Please dispose it by taking safe measure) so as not to cause combustion or explosion.
7. Batteries are forbidden to be stored or transported together with the metallic object.
8. Batteries are forbidden to be thrown into the fire or get heated.
9. Metal is forbidden to connect directly with the "+" "-"polarity of the battery.
10. It is highly forbidden to upside down the "+" "-"polarity of the battery.
11. If there is any battery leakage happened or electrolyte liquid mistakenly goes into the eyes, please do not rub the eyes but rinse the eyes with clear water.
12. When the battery is not used, please store it in the cool or dry environment.

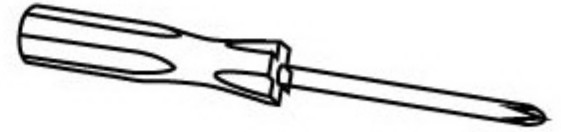


# Parts Identification

UFO



Screwdriver



USB Charging Line

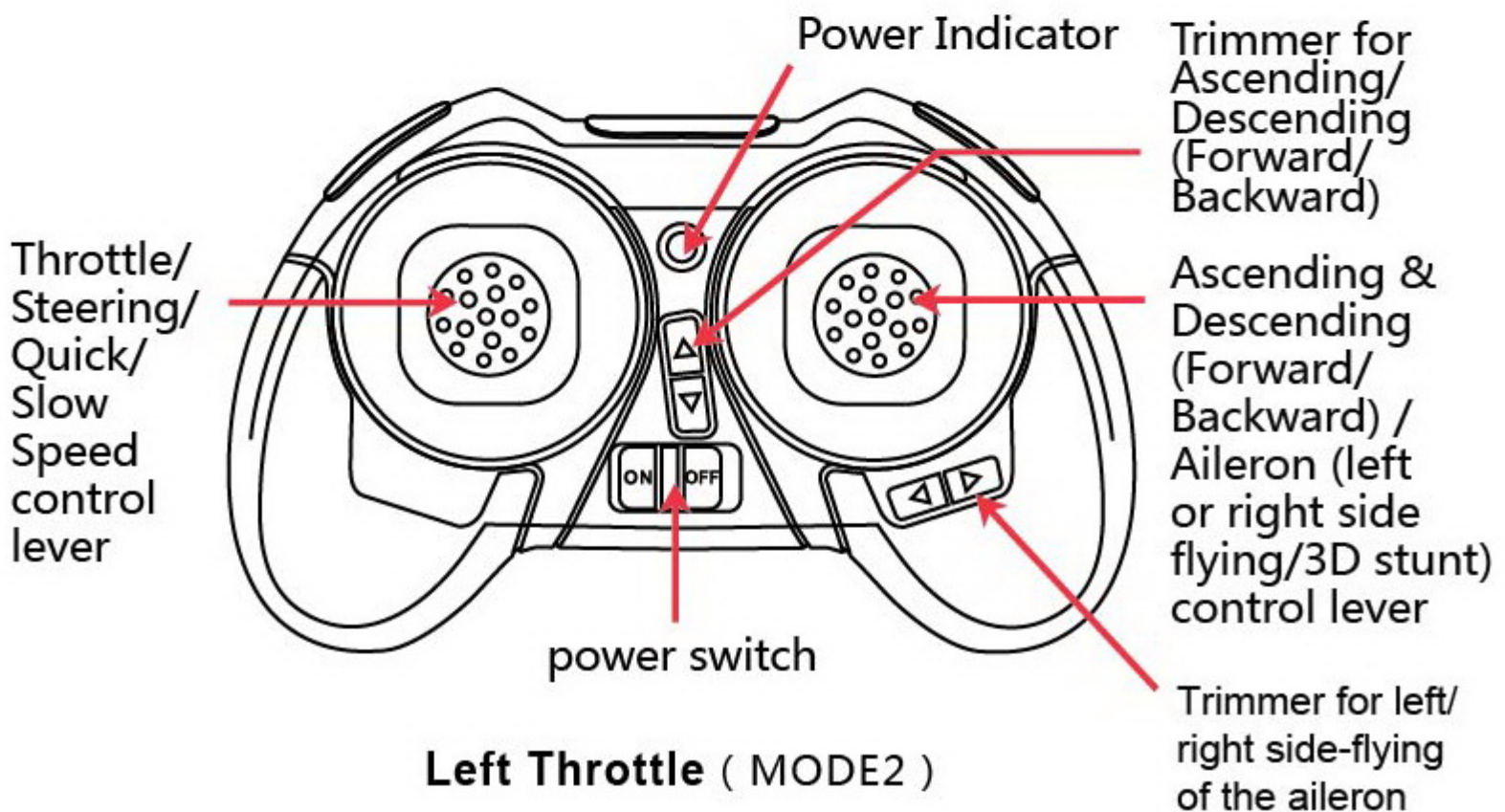


Aerofoil blades

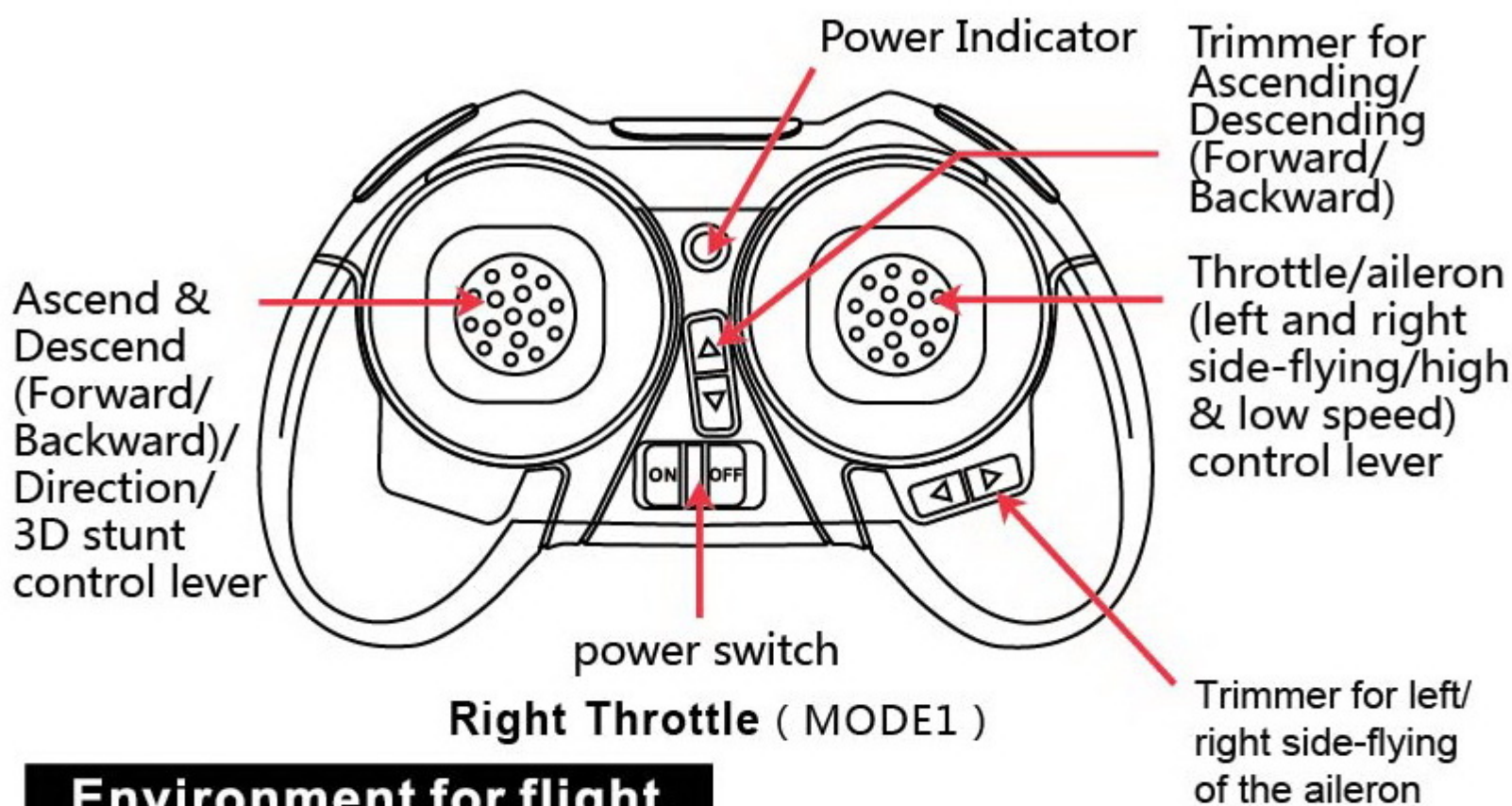


## Remote Control

Remote control functions introduced







## Environment for flight

Please choose to fly in spacious indoor environment; also there is no obstacle or crowd or animal nearby.



### Note

- Please make sure the flying environment is suitable for flying before flying this aircraft. When flying, please do not let your aircraft fly beyond your eye scope.
- This product should be played under the guidance of the adult when operating.

## Attention

- Control scope: The flying scope of the aircraft is about 25 meters. If it is flied beyond this scope, the aircraft will lose control.

Warning: The aircraft may fly beyond the flying scope if flying in the strong wind, which may result in losing control to the aircraft.

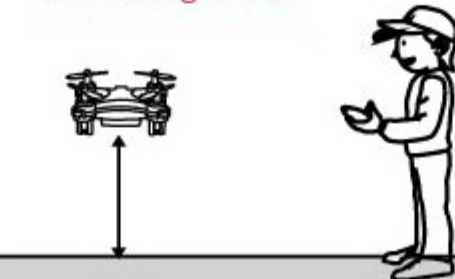
Flying time: Under the condition of mild wind and being fully charged, the aircraft can be flied within the scope of remote control. If the flying time is found less than one minute, please re-charge it.

**Please make sure that operate it correctly by referring to the instruction manual.**

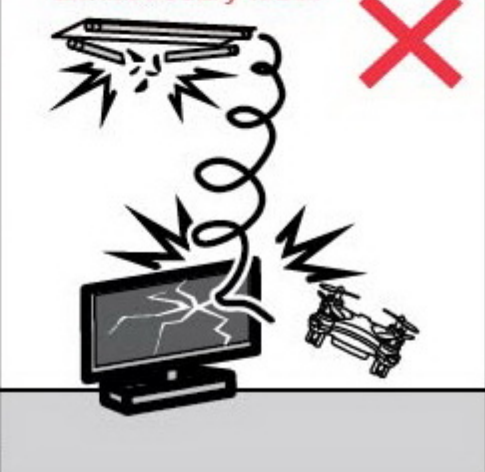
※ Please **DO NOT** release the throttle lever when flying in the height. Otherwise it may cause the aircraft crashed abruptly and cause loss of the parts.



※ Please keep the aircraft flying about 1 meter away from the ground.



※ Please **DO NOT** fly this aircraft on the place where there is many obstacles nearby so as not to cause unnecessary loss.

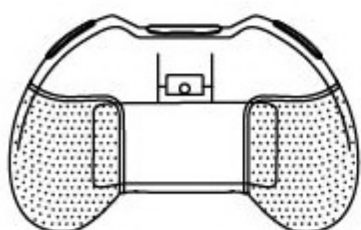




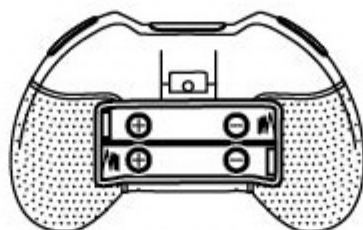
## Battery installation and charge

### Battery installation

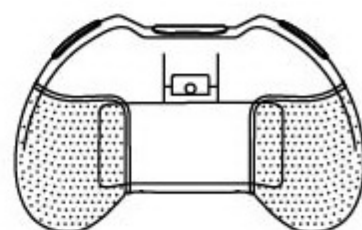
Caution: Please load the batteries correctly as the correct polarity shown.



1. Open the protecting cover of the battery compartment on the transmitter.



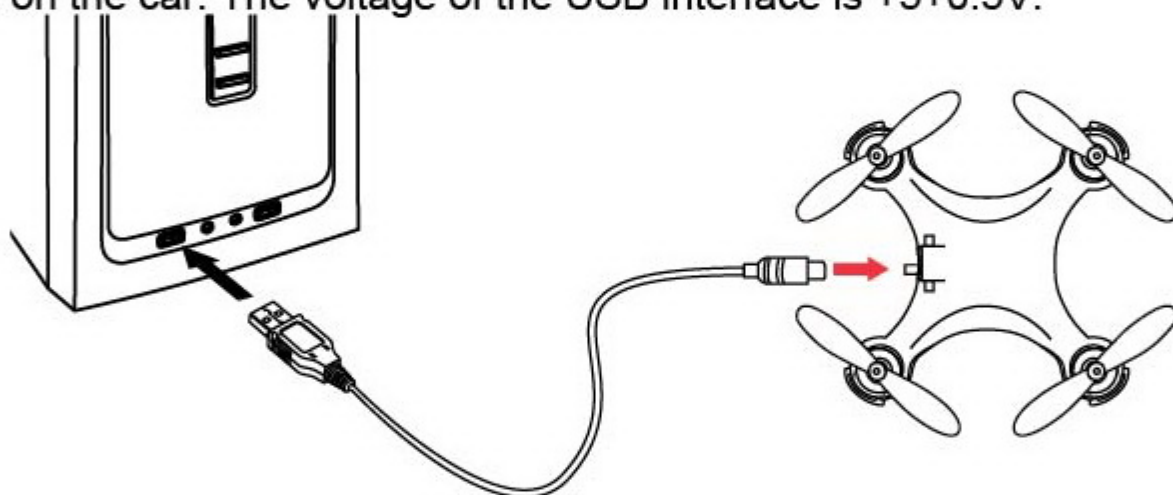
2. Load 2PCS 1.5V "AAA" alkaline batteries (batteries are not included).



3. Close the protecting cover of the battery.

## VEHICLE CHARGING

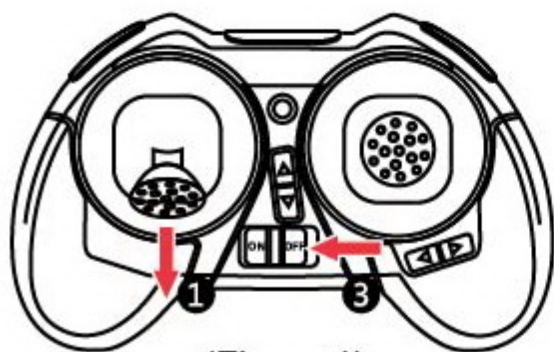
Connect the aircraft with the charging wire, then insert the charging wire into the USB port of the computer or any other USB charger. When the USB indicator is ON, that represents it is under charging. When the indicator is OFF, that represents it is fully charged. Except for Apple charger, this USB charging wire can be connected with any other charger of Smart mobile or movable power or being charged on the USB interface on the car. The voltage of the USB interface is +5+0.5V.



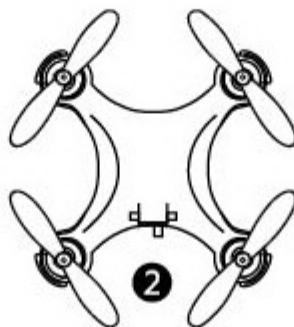
## BEGAN TO TAKE OFF

The correct starting sequence is as below when switching on the power:

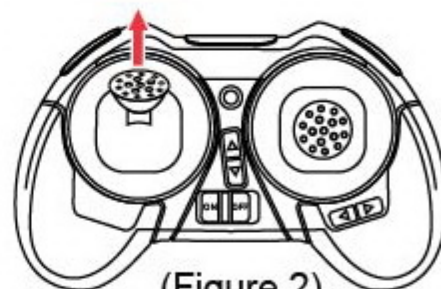
1. Pull the throttle lever to the lowest point.



(Figure 1)



4



(Figure 2)



(Figure 3)

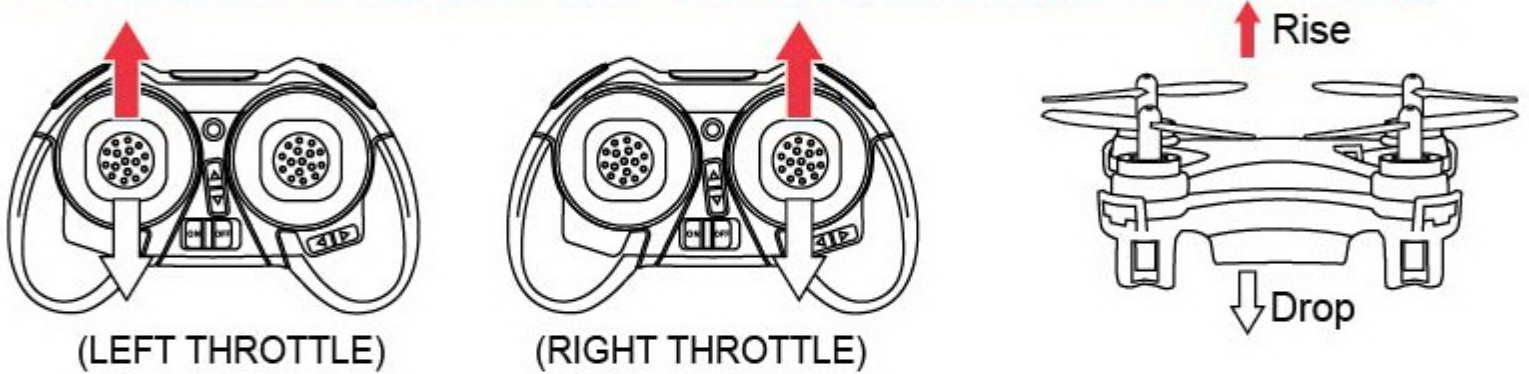


2. Switch on the power of the aircraft, put the aircraft on the level ground and keep static. The indicator of the aircraft will be flashing.
3. Switch on the power of the transmitter, the transmitter will send out sound of "di, di", then push the throttle lever to the highest (as picture 2 shown), it will send out sound of "di" and then pull the throttle lever to the bottom (as picture 3 shown), that represents the decoding has been successfully finished. This time the indicator of the aircraft will stop flashing.

## OPERATION AND CONTROL

Attention: Please avoid losing control. You should bear in mind that you need to operate the control lever slowly when operating the quad-rotor. During the process of controlling, the quad-rotor may lose some power. Therefore, during the course of flying practice, you need to add some extra power to keep this mini quad-rotor flying in a certain height.

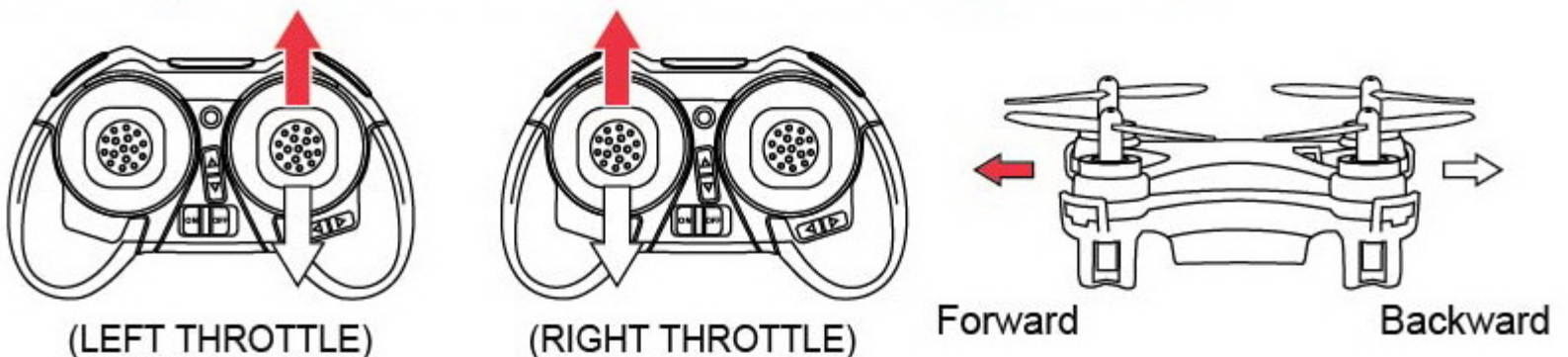
**Throttle, control the quad-rotor to make ascending and descending**



**Steering rudder, control the left rotation or right rotation of the quad-rotor**

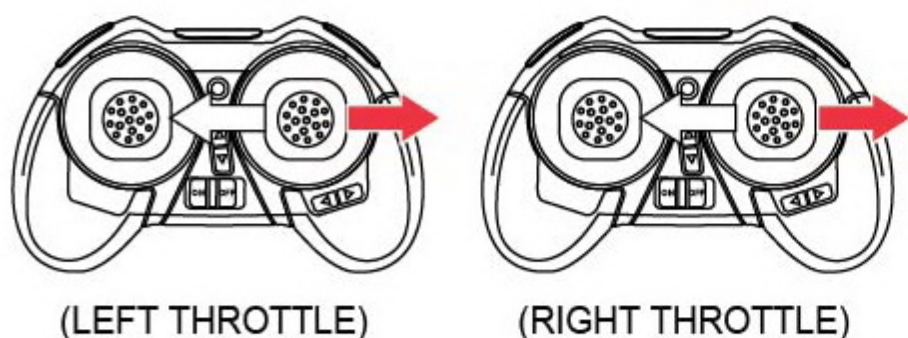


**Rudder, control the forward/backward of the quad-rotor.**

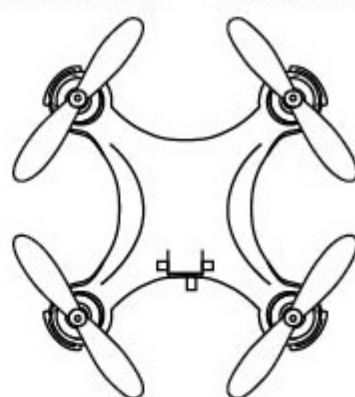




Aileron, control the quad-rotor to fly horizontally to the left or to the right.



Left Transverse movement ← Right Transverse movement →



Attention: When the nose of the aircraft flies toward you, the control direction will be reversing.

## SENSITIVITY SETTINGS

This model of mini quad-rotor can realize operating in 3 modes: Junior Level----Intermediate Level----Advanced Level

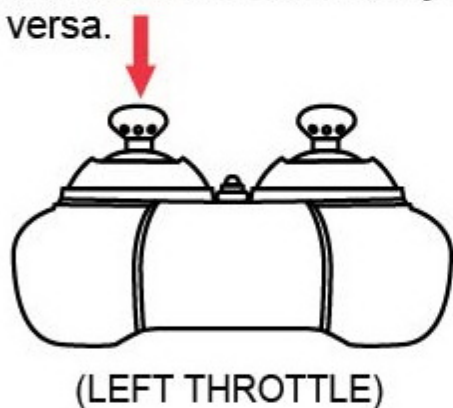
Gently press the throttle lever to enter into the setting mode:

When hearing one sound of “di” sending out from the buzzer on the transmitter= the mini quad-rotor enters into the Junior Mode (sensitivity degree can reach 30%)

When hearing two sound of “di, di” sending out from the buzzer on the transmitter= the mini quad-rotor enters into the Intermediate Mode (Sensitivity degree can reach 50%)

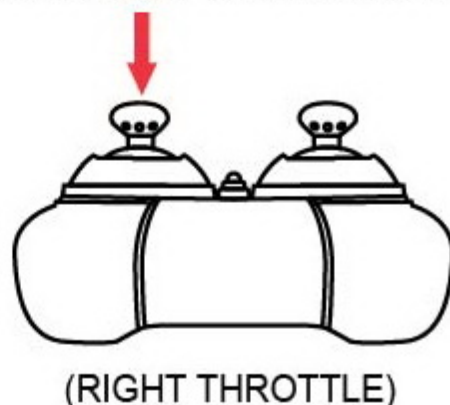
When hearing three sound of “di, di, di” sending out from the buzzer on the transmitter= the mini quad-rotor enters into the Advanced Mode (Sensitivity degree can reach 70%)

The bigger the value of the sensitivity degree, the quicker reaction of the mini quad-rotor will be, vice versa.



## AERIAL TUMBLING SKILLS

3 modes can all be used to perform stunt action in the air, press the control lever and it will send out sound of “di” and then enter into Stunt Mode.

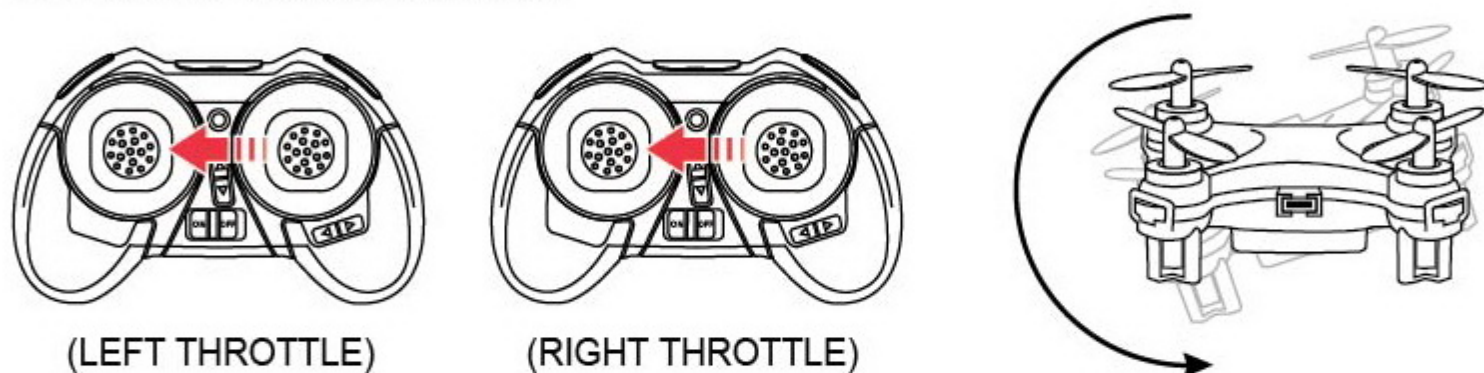




**⚠** This model of quad-rotor can be flied with 360 degree stunt action in the air through operating the control lever on the transmitter. In order to better carry out this stunt function and make sure four axes are one meter height above the ground. The better you can operate stunt action during the process of ascending, thus the four axes will be easier to keep the height after making stunt action.

## LEFT SIDE FLIPS

Press the control lever. When you hear one sound of “di”, please push the aileron to the left side.



## RIGHT SIDE SOMERSAULT

Press the control lever. When you hear one sound of “di”, please push the aileron to the right side.



## FRONT FLIPS

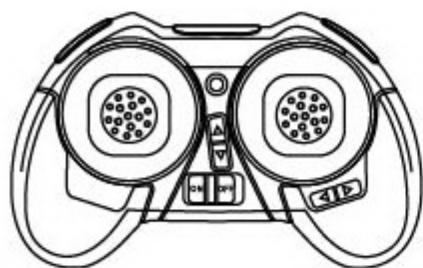
Press the control lever. When you hear one sound of “di”, please push the Ascending & Descending control lever forward.



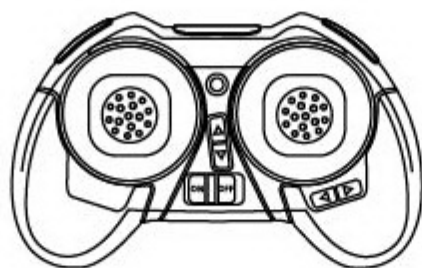


## BACK FLIP

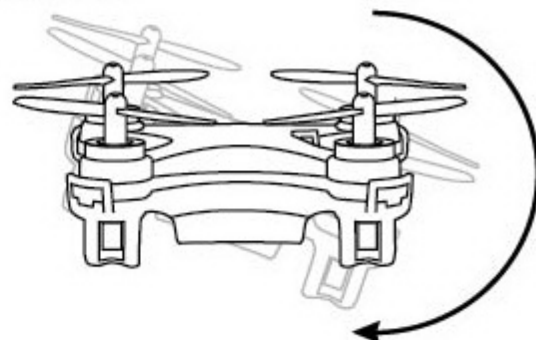
Press the control lever. When you hear one sound of "di", please push the Ascending & Descending control lever backward.



(LEFT THROTTLE)



(RIGHT THROTTLE)



## Trimmer

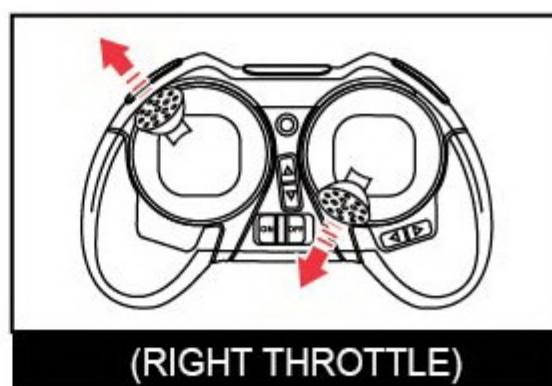
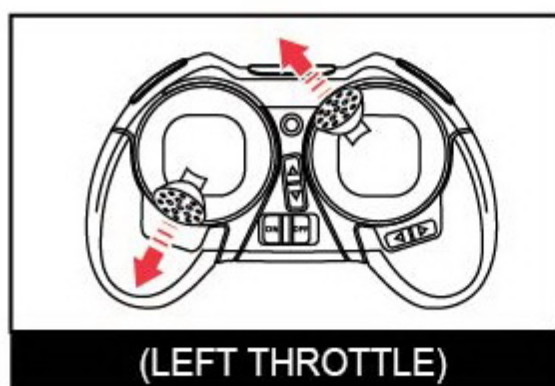
Backward trimmer				Backward trimmer
Forward trimmer				Forward trimmer
Left Flying trimmer				Left Flying trimmer
Right Flying trimmer				Right Flying trimmer

## ACCELERATOR ALIGNMENT

When the quad-rotor appears unstable flying performance or fly to one direction in a quick drifting speed, this time you need to calibrate the accelerometer.

1. After finishing the decoding between the aircraft and the transmitter, please place the aircraft on the level ground.
2. Please set it at the sensitivity degree in the senior mode, then pull the throttle lever to the lowest position.
3. Push the throttle/steering rudder control lever to the left down corner, push the Ascending & Descending /aileron control lever to the left up corner, this time the indicator of the aircraft will be flashing for 1-2 seconds, that represents the calibration is successfully finished. (left-hand throttle)
4. Push the Ascending & Descending /steering rudder to the left up corner, push the throttle/aileron control lever to the left down corner, this time the indicator of the aircraft will be flashing for 1-2 seconds, that represents the calibration is successfully finished. (right-hand throttle)





Note: If the aircraft still keeps drifting to one direction, you can put it on a level surface. Pad several pieces of paper on the deviating direction (The paper quantity required is dependent on the drifting extent in order to adjust the deviating angle of the accelerometer).

## STUCK PROTECTION AND ACTIVATION

During the course of flying, in the case that it is collided or any other reason which cause jam to the propeller, the battery protecting board of the aircraft will power off automatically so as not to cause damaged or danger. Under the condition that the battery is fully charged, you can switch off the power and just restart it. If the aircraft is not connected with the power after being restarted, it means the battery electricity is not enough to activate the battery. This time you can use the original USB charging wire made in our factory to connect with the power and then simply activate it.

### Common Breakdown Maintenance of the R/C aircraft

Troubleshooting	Repair method
The main rotor won't be rotating/ deviate when taking off	Reload the batteries inside the aircraft and make decoding once again. If this problem still can not be solved, please check if the propeller or rotor is deformed or not. If it is severely deformed, please replace it accordingly.
It can not take off	If there is insufficient power with the aircraft, please recharge it. If the problem still can not be settled, please kindly calibrate it correctly by following the (accelerator calibration) written in the instruction manual.