®

CHEERSON

AGES
14+

USER MANUAL

NO.CX–STARS

Please read the 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 pets. User on or less than 18 years old should use this product under the guidance of adults. Children under 8years old should not operate it by its own.

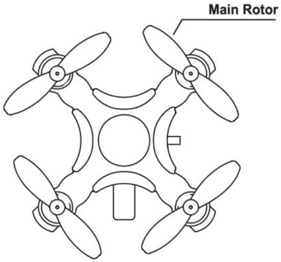
Guarantee of Lithium Battery:

The guarantee of this product is only for the raw materials and the workshop and no guarantee to this product. Under any circumstances, our company won’t compensate the amount that higher than the retail price valued.

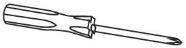
1.It is highly forbidden to charge it for a long time under unattended condition so as to avoid the accident.
2.Please use the original charger included for charging this product.
3.It is highly forbidden to decompose or disassemble the battery.
4.Batteries are forbidden to be used or kept under high temperature or heat source or near the flammable product.
5When 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.

Illustration of Each Part

UFO



Screwdriver

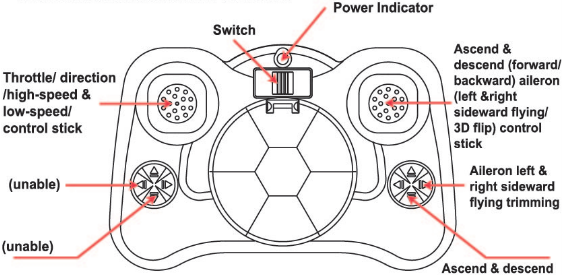


USB charging line

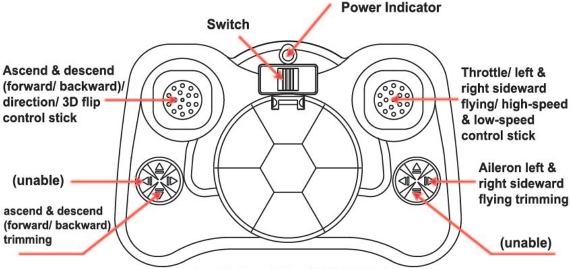
Blade

Transmitter

Each Functions Introduction of Transmitter


Power Indicator
Switch
Throttle/ direction /high-speed & low-speed/ control stick
Ascend & descend (forward/ backward) aileron (left &right sideward flying/ 3D flip) control stick
(unable)
Aileron left & right sideward flying trimming
(unable)
Ascend & descend (forward/ backward) trimming

left throttle（MODE2）


Power Indicator
Switch
Ascend & descend (forward/ backward)/ direction/ 3D flip control stick
Throttle/ left & right sideward flying/ high-speed & low-speed control stick
(unable)
Aileron left & right sideward flying trimming
ascend & descend (forward/ backward) trimming
(unable)

right throttle（MODE1）

Environment for Flying

Please fly in the spacious indoor, and make sure there is no obstacles, animals or humans nearby.

NOTE:

-Please make sure that the appropriate environment should be suitable before Flying. When flying, DO NOT allow the quad copter beyond your sight.

-The children should be under the guidance of adults when flying.

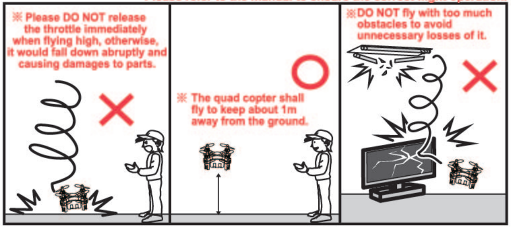
Notes for Control

Scope of control: The flying scope of the quad copter is about 25m and if beyond the scope, it would be out of control.

Warning: If flying in strong wind, the quad copter may go beyond the control scope and it would be out of control.

Flight time: The quad copter can fly in the R/C distance under the condition of fully charge and mini wind. Please recharge it if the flight is powerless.

Please refer to the manual to ensure the correct flight operation.



※ Please DO NOT release the throttle immediately when flying high, otherwise, it would fall down abruptly and causing damages to parts.

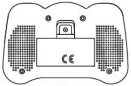
※ The quad copter shall fly to keep about 1m away from the ground.

※DO NOT fly with too much obstacles to avoid unnecessary losses of it.

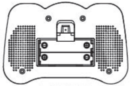
Battery Installation and Charging Way

■ Battery Installation

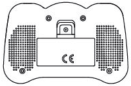
Note: The battery shall be correctly installed as the positive and negative plates pointed.



1.Open the battery protective cover of remote control.



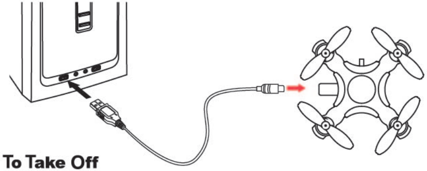
2.Install 2PCS 1.5V "AAA" alkaline battery (without battery).



3.Lock the protective cover of the battery.

Quad copter Charging

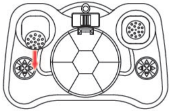
Connect the quad copter with the charging line and then insert the USB charging line into the USB port of the computer or any other USB chargers. When the USB indicator is ON, that represents it is under charging. When the indicator is OFF, that represents it is fully charged. Besides Apple charger, this USB charging line can be connected with any other chargers 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.



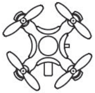
Begin To Take Off

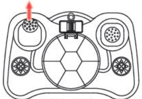
The correct starting sequences of opening program are as the followings:

1.Pull the throttle stick to the lowest point.

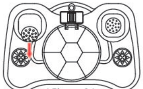


(Figure 1)





(Figure 2)



(Figure 3)

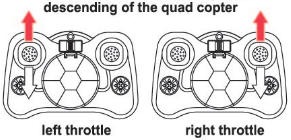
2.Switch on the power of the quad copter and put the quad copter on the level ground and keep static. The indicator of the quad copter will be flashing.

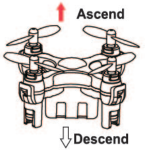
3.Switch on the power of the transmitter and the transmitter will send out sounds of "DI DI", and then push the throttle stick to the highest (as Figure 2 shown). It will send out sound of "DI" and then pull the throttle stick to the bottom (as Figure 3 shown). At the same time, the indicator of the quad copter will stop flashing.

Operation and Control

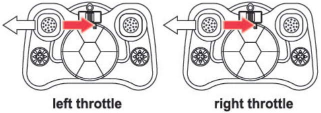
Attention: Please avoid losing control. You should bear in mind that you need to operate the control stick slowly when operating the quad copter. During the process of controlling, the quad copter may lose some power. Therefore, during the courses of flying practice, you need to add some extra power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

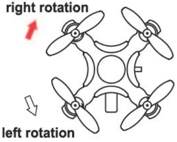
Throttle Control ascending and descending of the quad copter



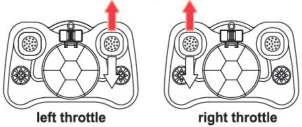


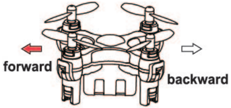
Direction rudder Control left rotation and right rotation of the quad copte



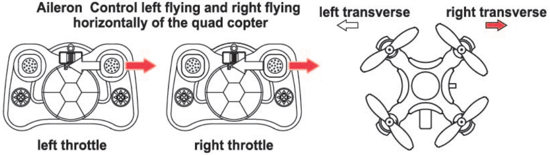


Rudder Control forward and backward of the quad copter





Aileron Control left flying and right flying horizontally of the quad copter



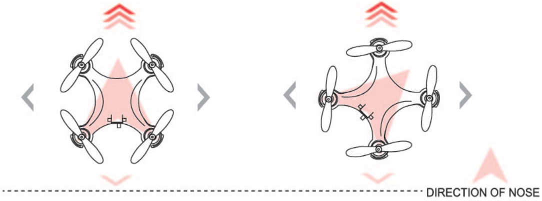
Attention: When the quad copter flies towards to you, the control direction will be reversing.

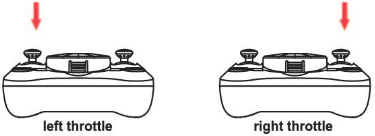
MODE SETTING & MODE INSTRUCTIONS

This kind of quad copter has the heading locking mode
Gently press the throttle stick to enter into the setting mode:
The beeper on the transmitter sounds “DI” → The quad copter enters the junior mode.
The beeper on the transmitter sounds “DI DI” → The quad copter enters the intermediate mode.
The beeper on the transmitter sounds “DI DI DI” → The quad copter enters the heading locking mode (headless mode)

MODE INSTRUCTION:

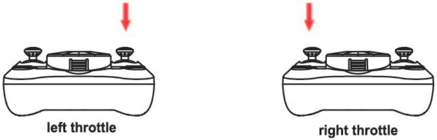
Heading locking mode: The heading of the quad copter refers to the positive direction pointed by the nose when turn on the quad copter. When entering this mode, no matter where the nose is, the quad copter will flying forward to the positive direction pointed by the nose with power as pushing forward the direction stick, and the other three directions are the same as this.





Aerial Tumbling Skills

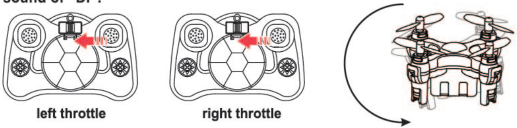
3 modes can all be used to perform flip action in the air, press the control stick and it will send out sound of “DI” and then enter the Flip Mode.



⚠This model of mini quad copter can fly with 360 degree flip action in the air through operating the control stick. In order to better carry out this flip function and make sure the quad copter is one meter height above the ground, you’d better operate the flip action during the process of ascending,thus the mini quad copter will be easier to keep the height after making fli paction.

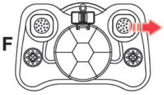
Left Side Flips

Press the control stick, and push the aileron to the left side when hearing the sound of “DI”.

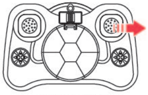


Right Side Flips

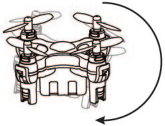
Press the control stick, and push the aileron to the right side when hearing the sound of “DI”.



left throttle

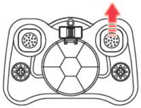


right throttle

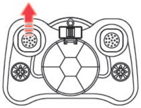


Front Flips

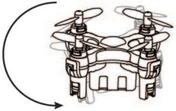
Press the control stick, and push the ascend/descend stick to forward when hearing the sound of “DI”.



left throttle

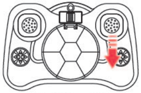


right throttle

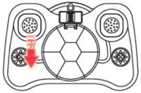


Back Flips

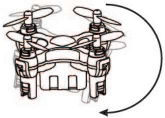
Press the control stick, and push the ascend/descend stick to backward when hearing the sound of “DI”.



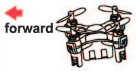
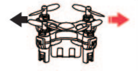
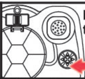
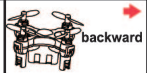
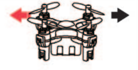
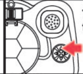
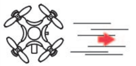
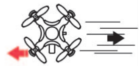
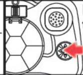
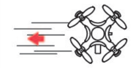
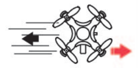
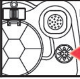
left throttle



right throttle



Take MODE 2 as example

backward trimming	 forward		 backward trimming
forward trimming	 backward		 forward trimming
Left sideward fly trimming			 left side trimming
right sideward fly trimming			 right side trimming

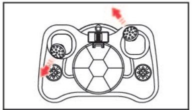
Accelerator Alignment

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

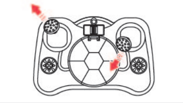
1.After finishing the decoding between the quad copter and the transmitter, the quad copter shall be placed on the level ground.

2.Push the throttle/direction control stick to the left bottom corner and the ascend/descend/aileron control stick to the left up corner. At this time, the indicator of the quad copter will be flashing for 1~2 seconds, then the decoding is successful. (Left-hand throttle)

3.Push the ascend/descend control stick to the left up corner and the throttle/aileron control stick to the left bottom corner. At this time, the indicator of the quad copter will be flashing for 1~2 seconds, then the decoding is successful. (Right-hand throttle)



left throttle



right throttle

Note: If it is still driven to one direction, you can put it on the horizontal ground and place several papers on that direction (the quantity of the papers needed is depending on the driven level so that it can adjust the accelerometer horizontal angle of deviation).

Low Voltage Protection And Dormancy Function

Low Voltage:

When the battery voltage is low, the four indicators on the quad copter will flash. At this time, please lower the flying height, close the quad copter power and recharge it.

Dormancy Function:

When the quad copter is charging for a long time and without any operations (about 8 minutes), the system will automatically cut off the power. If you need to reopen the quad copter, you only need to turn off the power switch of the quad copter and reopen it.

Common Breakdown Maintenance Of The R/C Quad Copter

Troubleshooting	Maintenance method
Main rotor don't work or drifting take-off	Return-on and decoding, and if the problem still can't be solved, check whether the propellers of the quad copter are deformed or not. If there are deformed badly, they should be replaced.
Can't take off	Recharge the quad copter if there is short battery. If the problem still can't be solved, you can make the calibration according to the "Accelerometer Calibration" of the manual.

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

NOTE: 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:

o Reorient or relocate the receiving antenna.
o Increase the separation between the equipment and receiver.
o Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
o Consult the dealer or an experienced radio/TV technician for help.