Age:14+

4 - AXIS DRONE
INSTRUCTION MANUAL

2.4G

WLH-09
4 CHANNEL

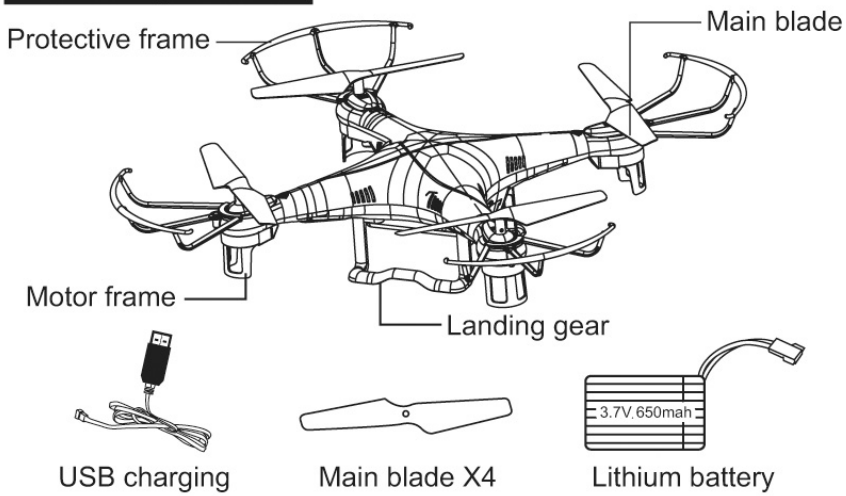
Thank you for purchasing our product. In order to use it correctly and make sure safety,please read the instruction book carefully before using.Please well keep it for your further reference.

Attention:

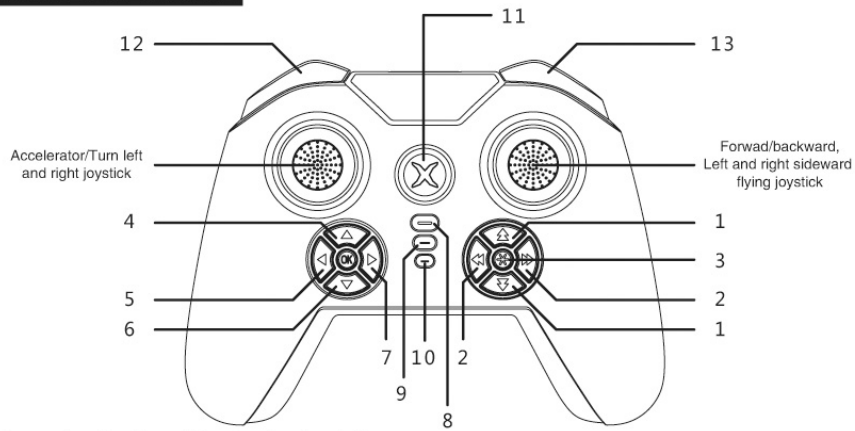
This prodcut has Gyroscope technology ,please follow Gyroscope setup inctuctions below before operating .

1. Please connect the power wire of the drone correctly, and put it on a flat ground, the drone's lights will flash quickly first and become slowly after gyroscope checking 4 seconds later.
2. Press the power switch of the controller, and it sounds " di " once, the power indicator flashes slowly (drone's lights are in ON state meanwhile). Push up the Accelerator and then pull it back to the bottom, controller will sound "di" once again. And then push the two joysticks outwards together to check frequency, now the drone's lights flash several times quickly, and controller sounds "di" once more, after that drone is ready to fly.
3. If the drone power line is disconnected, it needs to re-start the remote controller for check frequency after connecting the power, so it can be normal for flight.
4. Basic Functions : The drone uses 2.4G frequency and can be operated in long distandce .This frequency also allows other drone to be used at the same time. Flight function : ascend, descend, forward,backward, right,left .
5. 3D flip function: you can use remote controller to make the drone flip forward and backward, flip left and right, and other functions after proficiency.
6. Headless mode: If switch to the headless mode, the drone will take your remote controller direction as the standard direction, it can fly without identifying the direction.
7. One-key return: when the drone has a certain distance from the remote controller, you can start one-key return function, the drone will automatically fly back, push the forward joystick or re-press the return button to exit.
8. Low voltage tip: drone's lights will flash quickly if it is in low voltage.

Contained parts name



NOMENCLATURE



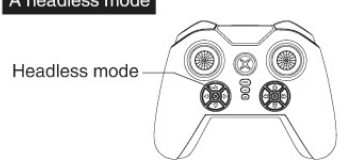
1: forward and backward trimming function button;
2: left and right trimming function button
3: light control function button;
4: headless mode button;
5: photo taking button;
6: one-key return function button;
7: video shooting function button;
8: This red light is the instruction of camera function, the light will flash 3 times if take photo (the drone's lights flash three times quickly meanwhile); and keep on flashing if make video (the drone's lights keep on flashing meanwhile); the light will stop flashing and keep being on after repressing the video shooting button to exit.
9: This red light is the instruction of headless mode, the light will flash slowly if open the headless mode; and light will stop flashing and keep being on after exiting the headless mode.
10: This red light is the instruction of one-key return, the light will flash slowly if start one-key return function; and light will stop flashing and keep being on after exiting this function.
11: Power indicator: the light flashs slowly when open the controller, and light will stop flashing and keep being on after checking frequency.
12: 3D flip button
13: speed button (1.2.3): one "beep", two "beeps", three "beeps". The speed is increasing one by one, three "beeps" is the highest speed.

Function description:

1. One-key return (press return button, the drone will return automatically, repress the button or push the forward joystick to exit, red lights will flash twice slowly when start return function, after exiting return function, red lights are in ON state.)
2. Headless mode (the drone's red lights flash twice slowly when the start headless mode, the red lights will be in ON state after exiting the headless function.)

Special note:

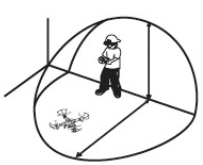
A headless mode



①: Drone's red lights flash twice slowly when start headless. In order for the drone to fly in straight line,please make sure the drone is set on a flat surface facing forward. Once the gyro is set, press the headless mode button. Please press the button again to exit headless mode.

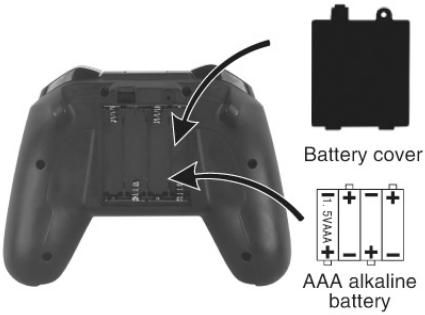
B Special note:

(图A)



②: If the drone is impacted by objects during flying, headless mode may not keep flying in straight, drone will fly in sideling, Please place the drone on the ground and reset the gyro by pushing both joysticks down and then outwards together as depicted in the picture above (pic A) .

Remote battery installation



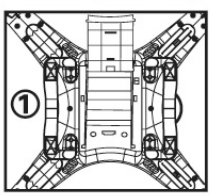
Battery installation method: open the battery cover behind the remote control, install 4xAAA alkaline batteries in accordance with the electrode instructions in battery box correctly (batteries not included).

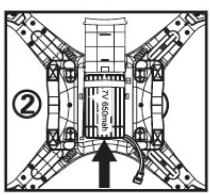
CAUTION:

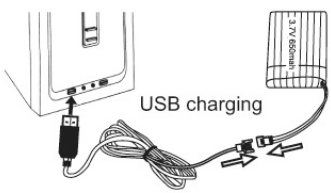
1.Make sure the battery and its polarity in the battery compartment be correct. Please don't load the batteries upside down.
2.Please don't mix the old batteries with the new ones.
3.Please don't mix using batteries of different types.

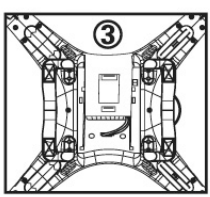
How to recharge lithium batteries

1. Insert the lithium battery of drone into the battery holder according to the method in the pictures.
2. Insert the USB charger into the power, USB red light is ON, and then connect with the lithium battery, when charging, the LED light is OFF, when charging is completed, the red light is on again. The charging time is about 120 minutes.









3: Connect the battery plug with the circuit board plug when the charging is finished. Please pay attention to the correct polarity.The power switch of drone is connected with the battery plug.

WARNING ⚠

If you do not want to play this drone. please disconnect the battery wire from the circuit board.

NOTE:

1. Make sure that the voltage of charger and plug is complied with your local standard.
2. When charging, if the charging plug is overheating, it means excessive charging and be damage to the battery, the battery will be permanent damage if in severity. Please immediately stop charging.
3. People should not leave when charging.
4. This charging method adopts advanced balance charging, for charging safety, do not use other charger for lithium battery, so as to avoid the risk of explosion.
5. When the drone has just completed the flight, the battery temperature is higher, it is better to wait for 30 minutes, and charge the lithium battery when it is cooled down, otherwise it will damage the battery.
6. Don't put the battery into the fire, so as to avoid the risk of explosion
7. Do not make the battery polarity in short circuit, do not put the battery and small metal parts together, so as to avoid the risk of explosion.

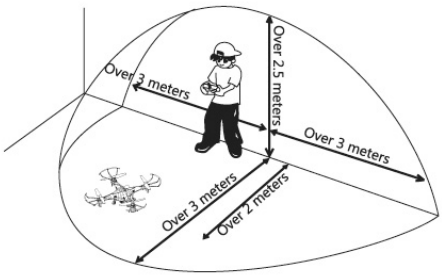
FIYING ENVIRONMENT:

1.Fly in good weather condition (sunny and no wind):

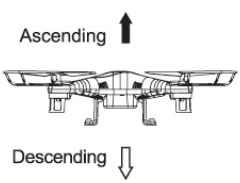
① Do not fly in extreme temperatures (too cold or too hot).
Flying in extreme temperatures may affect the performance and damage the product.

② Do not fly in windy days.
The performance and the control of the drone will be influenced by winds. Windy condition may cause the missing and damage of the drone.

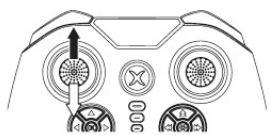
2.Select a wide-open space for flying and make sure no obstructions, animals or people nearby.

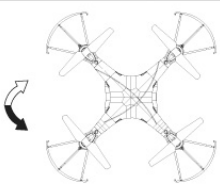


OPERATIONAL MANUAL

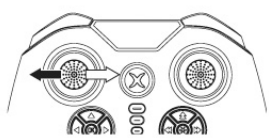


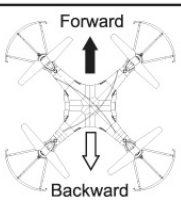
Push up the left throttle stick,and the rotation speed of the main blades will increase.The drone begins to ascend.
Pull down the left throttle stick, and the rotation speed of the main blades will reduce.The drone begins to decend.





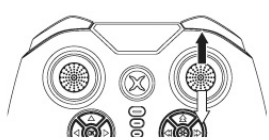
Push the left throttle stick to the left, and the drone will turn to left. Push the stick to the right, and the drone will turn to right.

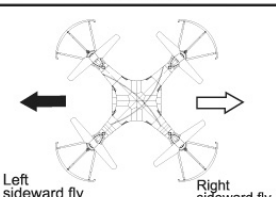




When the right rudder stick is pushed upward, the drone will fly forward.

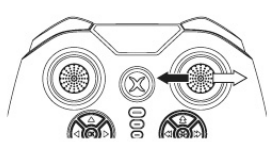
When the right rudder stick is pulled downward,the drone will fly backward.





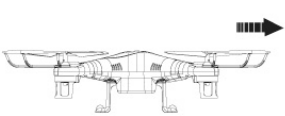
When push right the rudder stick to the right,the drone will fly sideward to the right.

When push the right rudder stick to the left, the drone will fly sideward to the left.

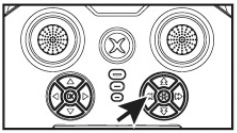


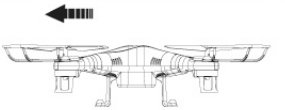
NOTICE If the drone is rotating in the air uncontrollably,adjust the rudder trimming buttons until the drone is stable.

Attention:
When the drone ascends to 30cm high,it will suffer the blades vortex itself,and become unstable.This is called"ground effect".The lighter weight of the drone, the more influenced.

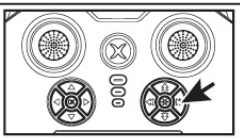


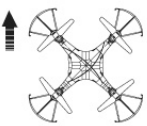
If the drone moves to the right when hovering,please press the left trimming button till it stops moving to the right.



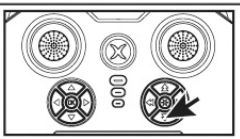


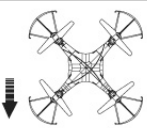
If the drone moves to the left when hovering, please press the right trimming button till it stops moving to the left.



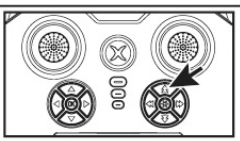


If the drone moves forward when hovering, please press the backward trimming button till it stops moving forward.

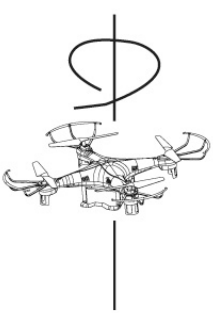




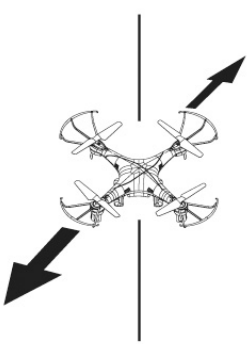
If the drone moves backward when hovering, please press the forward trimming button till it stops moving backward.



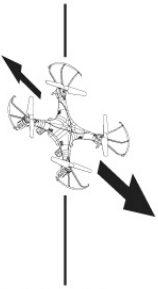
FLYING PRACTICE To master the drone, please try the following flying practices.



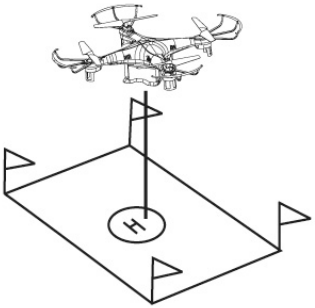
Fixed-point revolving



Forward and backward



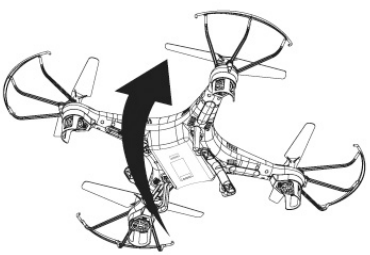
left and right sideways fly



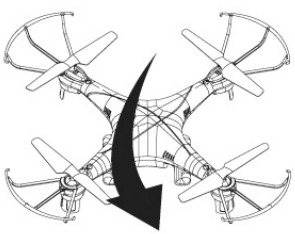
Fixed-point landing

3D FLIP FLYING

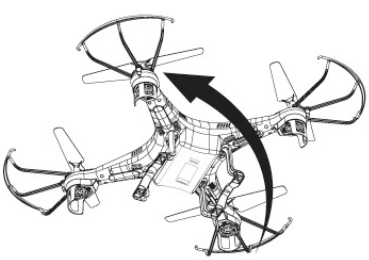
User can perform breathtaking 3D flips with the drone. Fly the drone to the height of 3M,and press the 3D flip button on the top left of the remote controller. The remote controller will make a beeping sound,once it beeps move the right joystick in the desired direction of the filp.



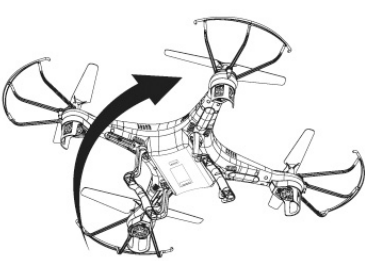
Flip forward



Flip backward



Flip left



Flip right

SOLUTION GUIDE

PROBLEMS	CAUSES	SOLUTIONS
Transmitter not working	1.The remote controller switch is on"OFF"	1.Turn on the remote controller
	2.Install the batteries improperly	2.Check with the pole indications and reinstall the batteries correctly
	3.Batteries are completely exhausted	3.Replace with new batteries
Control failure	1.The transmitter switch is on"OFF"	1.Turn on the transmitter
	2.The drone battery is unconnected	2.Connect the drone battery in the correct orientation connection
	3.Too strong wind force	3. Do not fly under the environment of windy as too strong wind may cause flying limitation to the drone or it may hamper your controlling or flying.
Ascending failure	1.The rotation of main blades is too slow	1.Push up the throttle stick
	2.The fuselage battery is not charged completely	2.Recharge the fuselage battery
Landing too soon	The throttle stick is pulled down too fast	Pull down the throttle stick slowly to perform a smooth landing
Out of control	The throttle stick is not pulled to the end, but revising frequency is completed , so the drone automatically rise	The throttle stick should be pulled to the end in the process of revising frequency.
	Exceed the effective control distance	The diameter valid distance is over 80m.

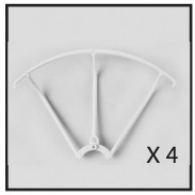
PRECAUTIONS:

1.The remote controlled distance will be shorten when the power (drone or remote controller) is insufficient.
2.It is difficult to take off or fly not high when drone's power is insufficient.
3.When the drone is damaged, please repair it in time and stop operating, if serious one(such as blades crack or damege) or it may lead to injury.
4.If you do not use the remote controller for a long time, please remove the batteries to avoid the batteries' leakage and demage of the product.
5.Do not drop the drone from the high altitude or crash it badly, otherwise, it will shorten the drone's using life.
6.When the parts are damaged, please purchase them from our company, or it may affect the safety and performance.

ACCESSORIES DIAGRAM

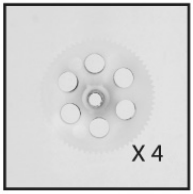
001
Upper cover

002
Bottom cover

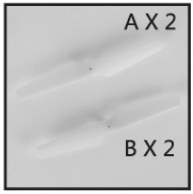


003
Protective frame

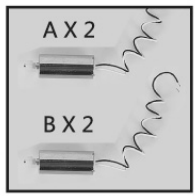
004
Motor frame



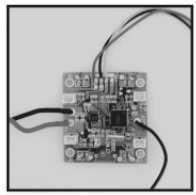
005
Gear



006
Main blade



007
Motor



008
Receiver board

009
Li-Polymer battery

010
Motor cover

011
Landing gear

012
Remote Controller

DRONE SERIES

SPECIFICATIONS & EQUIPMENT

Length: 400 mm

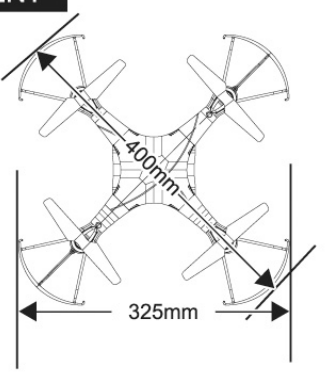
Width: 325 mm

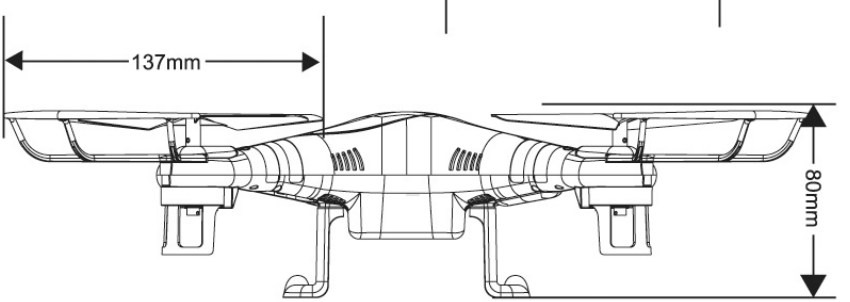
Height: 80 mm

Length of rotor: 137 mm

Weight: 130 g

Flying time: 6-8 minutes





FCC statement
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:

- 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.