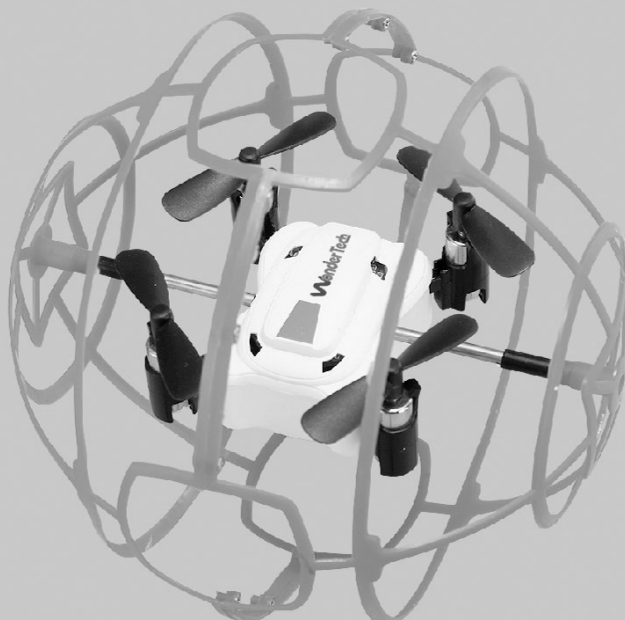


3D ROLL • 2.4G • 6-AXIS
6-Axis Gyro Quad-copter



INSTRUCTION MANUAL

Technical parameter of the drone

Fuselage Length: 110mm	Gross Weight: about 30g
Overall Height: 110mm	Battery: Li-polymer 3.7V 250mAh
Main Rotor Diameter: 37mm	Motor: Coreless Motor
Charging Time: about 60 minutes	

Product/spare parts included in this packaging

Description	QTY (pc)	Description	QTY (pc)	Description	QTY (pc)
Drone	1	Blades A	2	USB charger	1
Manual	1	Blades B	2		
Remote control	1	Battery	1		

Introduction

- Multi-rotor design ensures more stable and powerful performance and make all kinds of 3D action easier.
- Innovative design, easy installation and convenient for maintenance.
- By using 2.4G auto connection technology, multiple copters can be played with at the same time with high stability.
- Equipped with the newest 6-Axis Gyro control system, this drone has the stable flight and easy operation.
- Fully charged battery can support 4 minutes of steady flight.

Safety Guidelines

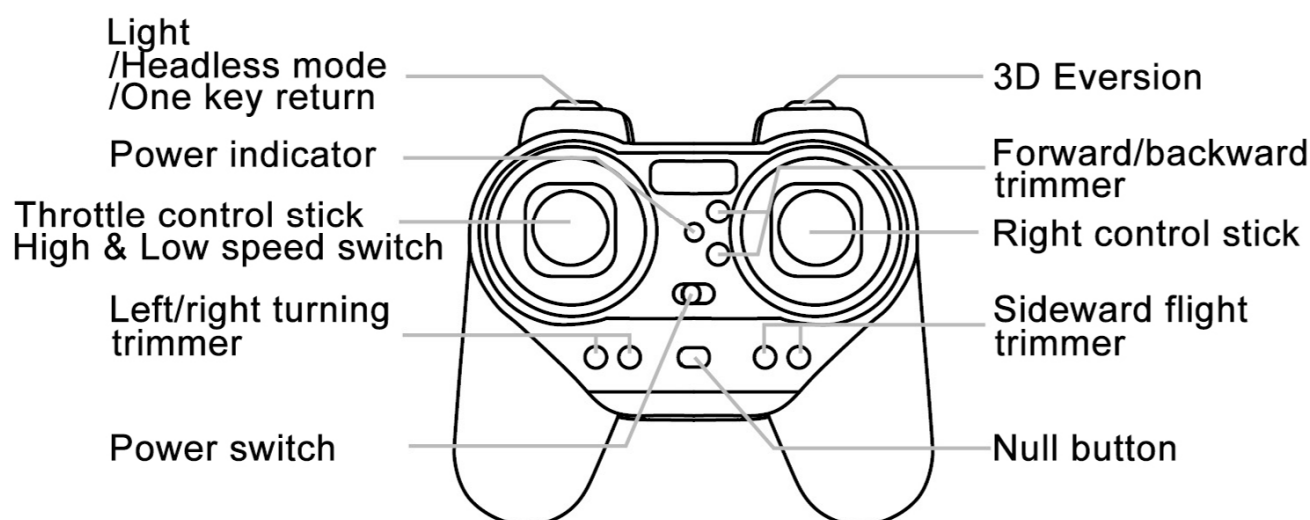
- This product is not a toy. It is not applicable for children who are under 14 years old.
- Please read this instruction manual carefully before playing and operate the product according to the manual.
- The users are fully responsible for proper use of the drone. The manufacturer and dealers are not liable for damage caused by misuse.
- Keep the small accessories away from the children to avoid accident.
- Keep batteries away from fire or high temperature environment.
- When flying the drone, keep it 1~2 meters away from user or others to avoid injury due to collision.
- Adult or modify the product which may cause malfunction or accident.
- Fly the drone within eye sight for easy and safe control.
- Adult supervision is required when this drone is being operated by children.
- Only batteries of the same or equivalent type as recommended are to be used.
- Insert batteries with correct polarity.
- Non rechargeable batteries are not to be charged; the transmitter requires 3XAAA batteries to work.
- Do not mix old and new batteries.

Remote controller

Main features of the remote controller

- Microprocessor remote controller system and 2.4G auto connection technology, multiple copters can be played with at the same time without any interference.
- Control the function of forward/backward 3D flips.

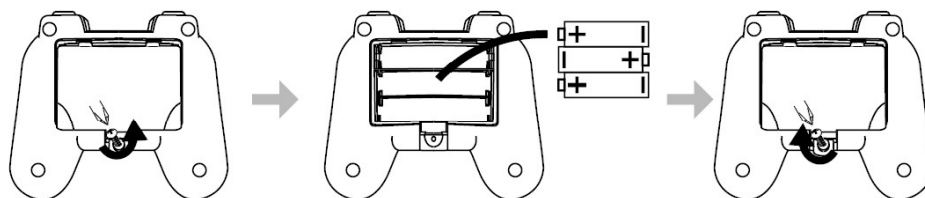
Diagram and function switches of the remote controller



No.	Function switch	Function description
1	Light /Headless mode /One key return	This is the light switch of the drone. Press it once to turn on the light and press it once again to turn off the light. Long press the key will enter and exit the "Headless Mode". Press the key when in the "Headless Mode" will enter and exit the "One Key Return"
2	Power indicator	The indicator light keeps blinking slowly: the transmitter is not activated. The indicator light keeps flashing rapidly: the transmitter is sending out connection signal to the drone. The indicator light stays on without blinking: the transmitter is ready for controlling the drone.
3	Throttle control stick/High & Low speed switch	Upward/downward, turn left/turn right. This is the speed toggle switch of the remote control. L is low speed; H is high speed.
4	Left/right turning trimmer	Leftward/rightward fine turning.
5	Power switch	It controls the power source of the transmitter. Slide the power switch to the "ON" position, the transmitter is powered on; slide the power switch to the "OFF" position, the transmitter is powered off.
6	3D Eversion	When the drone is flying, press the 3D eversion button and push the right control stick to the top/bottom at the same time, the drone will roll forward/backward accordingly.

No.	Function switch	Function description
7	Forward/backward trimmer	When the drone keeps flying backward, press the upper button until it gains balance. When the drone keeps flying forward, press the lower button until it gains balance.
8	Right control stick	Forward/backward, leftward/rightward.
9	Sideward flight trimmer	When the drone keeps flying inclined leftward, press the right button until it gains balance. When the drone keeps flying inclined rightward, press the left button until it gains balance.
10	Null button	

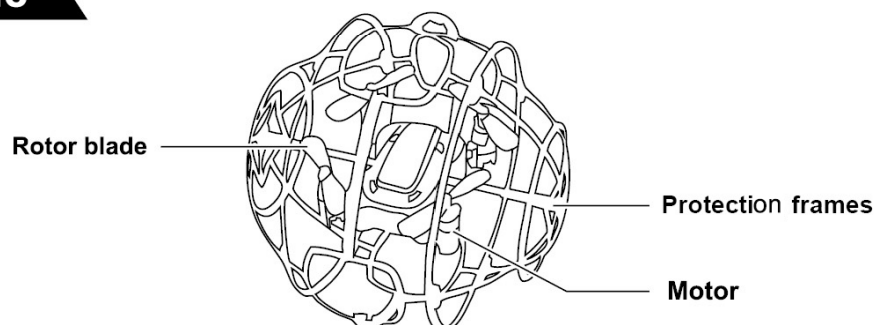
How to install the battery of remote controller



How to remove and insert batteries.

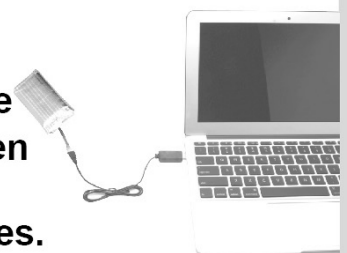
1. Unscrew counterclockwise to open the battery compartment cover.
2. Install 3 X AAA batteries into the battery compartment according to the given polarity.
3. Screw clockwise to close the battery compartment.

The drone



How to charge the drone

Unplug the battery cable from the power wire plug and take out the battery. Insert the USB charger into the USB interface of the computer; connect the battery cable with the USB wire plug. The indicator light of the USB will be off when charging is proceeding; once the battery is full charged, the indicator light turns red. Full charging takes about 60 minutes.

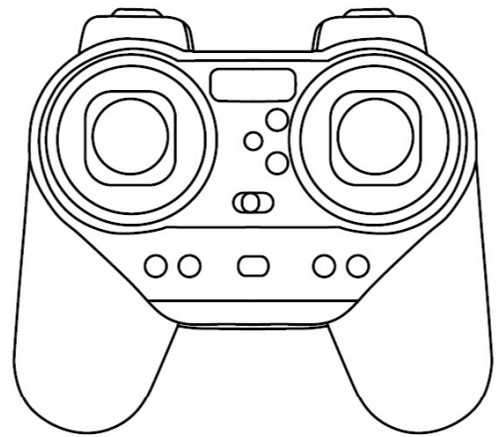


NOTE:Battery should be fully charged before storing.

Preparation for flight

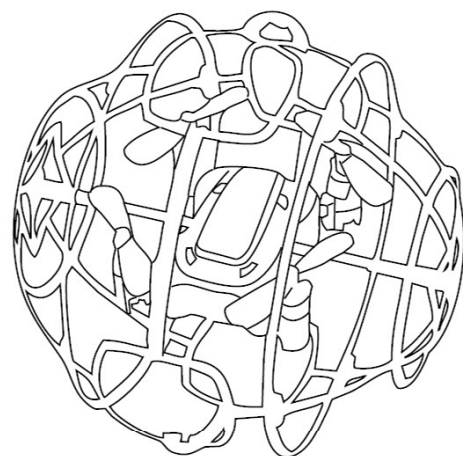
The remote control

- Recheck the playground; be sure that it is free from crowds, animals and other barrier.
- Slide down the throttle control stick to the bottom.
- Turn on the remote controller and the power light will blink slowly. Then slide the throttle control stick up to the top; the power light blinks at a higher speed; return the throttle control stick to the bottom; there will be a beep sound heard and the power light keeps flashing which means that the remote controller is sending out a connection signal. It will take about 10 seconds to finish the signal connection process. Once signal connection is completed, the power light will stay "on" without blinking and the remote controller is set for flight.

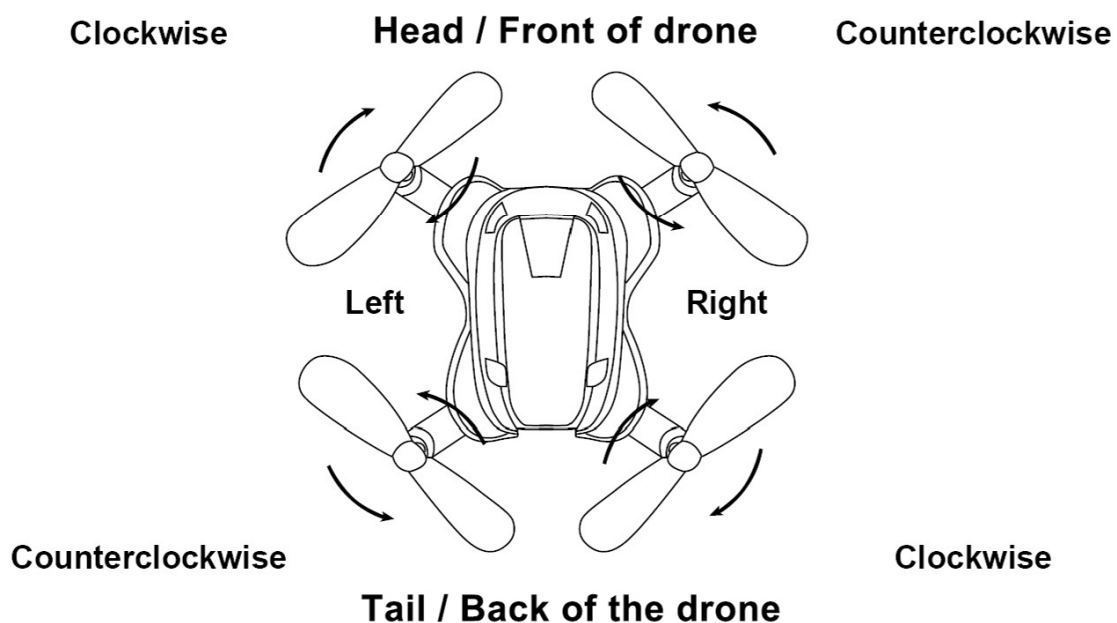


The drone

- Make sure that the battery (at the bottom of the drone) is installed well and connected with the power wire of drone. The drone is OFF.
- Turn on the drone; the light will keep flashing quickly, the gyro of the drone will be in signal detecting condition. Set the drone on a flat surface, about 4 seconds later, the flashing light will keep constant "ON". It means that signal connection is finished and the drone is ready for flight.



- To ensure steady flight, please set the value of the Trimmer to the midpoint.
- Push up the throttle stick slowly and the drone takes off.
- To avoid any misunderstanding, we have defined the orientation of the drone as follows: The drone is set to be copter nose ahead and tail facing the player. The copter nose direction is named as “forward”, the tail direction is named as “backward”. The copter flies up to the sky is named as “upward”; the copter flies down to the ground is named as “downward”. Player’s left side is named as “left”, player’s right side is named as “right”. All the directions we are talking about in this manual are subject to the definition above.



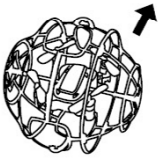
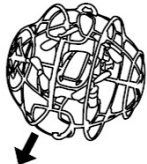
- The orange lights are at the front of the drone;
- When the drone is on, check the rotation direction of the rotor blades; the front-left and right-back rotor blades should be rotating in clockwise direction; the right-front and left-back rotor blades should be rotating in counter-clockwise direction.
- If the drone keeps flying to one side, it can be corrected by adjusting the trimmer on the remote control.

Quick Tips:

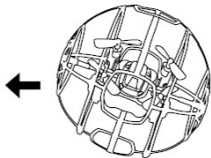
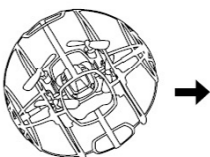
- Signal connection between the drone and the remote control is required for the first use.
- Set the connection one by one to avoid signal connection error when flying multiple drones at once.
- To protect the battery, please unplug the battery cable from the power wire after use.

Trimmer Functions

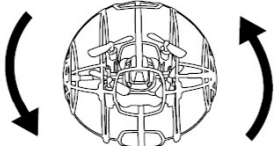
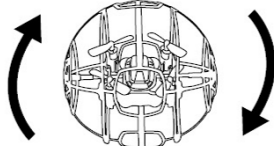
1. If the drone keeps moving forward/backward even if there is no control signal given, users may adjust forward/backward trimmer to keep the drone balanced.

	<p>If the drone keeps moving forward, press the lower button of the trimmer until it gains balance.</p>
	<p>If the drone keeps moving backward, press the upper button of the trimmer until it gains balance.</p>

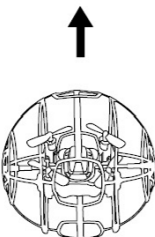
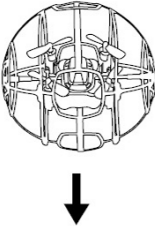
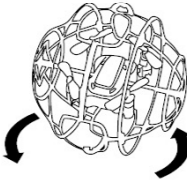
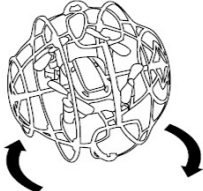
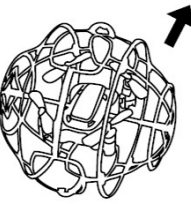
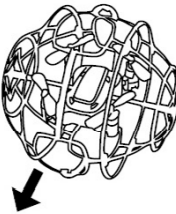
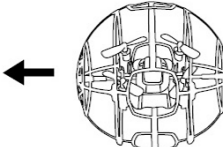
2. If the drone keeps moving leftward/rightward even if there is no control signal given, users may adjust the leftward/rightward trimmer to keep the drone balanced.

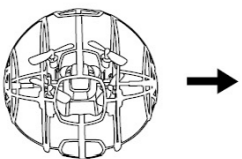
	<p>If the drone keeps moving leftward, press the right button of the leftward/rightward trimmer until it gains balance.</p>
	<p>If the drone keeps moving rightward, press the left button of the leftward/rightward trimmer until it gains balance.</p>

3. If the drone keeps spinning even if there is no control signal given, users may adjust the turn left/turn right trimmer to keep the drone balanced.

	<p>If the drone keeps spinning counterclockwise in the air, press the right button of the turn left/turn right trimmer until it gains balance.</p>
	<p>If the drone keeps spinning clockwise in the air, press the left button of the turn left/turn right trimmer until it gains balance.</p>

Operating

Upward		Push up the throttle control stick, the rotation speeds of the main rotors are increasing and the drone ascends accordingly.
Downward		Push down the throttle control stick, the rotation speeds of the main rotors are decreasing and the drone descends accordingly.
Turn left		Turn the left/right turning control stick to the left, the drone will turn left.
Turn right		Turn the left/right turning control stick to the right, the drone will turn right.
Forward		When the drone is flying, push up the forward/backward control stick, the drone will move forward.
Backward		When the drone is flying, push down the forward/backward control stick, the drone will move backward.
Leftward flight		Turn the sideward flight control stick to the left side, the drone will fly leftward.

Rightward flight		Turn the sideward flight control stick to the right side, the drone will fly rightward.
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Headless mode

Press the function button located at upper-left of the remote control for 2 seconds and the remote control sends out 2 “beep” sound; Then, the drone’s indicator light turns from constant “ON” to “flashing”. That means the drone is in “Headless Mode”.

When the drone is in “Headless Mode”, press the function button at upper-left of the remote control of 2 seconds, the remote control will send out 3 “beep” sounds. The drone’s indicator light turns from flashing to constant “ON”. That means the drone has exited the “Headless Mode”.

One key return

When the drone is flying in “Headless Mode”, press one key return button, the drone will fly towards player. Press the one key return button again or operate the forward/ backward control stick, the drone will exit the “One Key Return” function.

Trouble shooting

	phenomenon	reason	solution
1	The lights are flashing quickly.	Gyro of the drone is in signal detecting mode.	Set the drone on any flat surface.
2	The lights are flashing on twice and flashing off once.	The drone has not received the signal from the remote control or signal connection is interrupted.	For lack of signal, turn on the remote control for the signal initial connection. For signal interruption, turn off the remote control and turn it on again.
3	The lights are flashing on and off.	The drone is underpowered.	Charge the battery or install a fully charged battery.
4	The drone is shaking fiercely.	The rotor blade is out of shape or the clockwise blade is installed on a counterclockwise motor or vice versa.	Change the rotor blades.

