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# SP300

4-AXIS DRONE

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14<sup>+</sup>  
FOR AGES

## USER MANUAL

Please read this manual carefully before flying and keep it well for future reference.

## » DISCLAIMER AND SAFETY GUIDELINES

1. DO NOT look directly into the drone light.



2. CAUTION: Dispose of drone and batteries in accordance with local regulations.



3. DO NOT fly above or near obstacles, crowds, open water, public road, high voltage power lines or trees.



4. DO NOT use the drone in severe weather conditions. These include wind, snow, rain, smog, hail, lightning, tornadoes or hurricanes.



5. A safe distance must be maintained from the drone at all times while it is operational. Avoid trap hazards such as hair, ribbons, necklaces, ties, and so on.



6. This product is not a toy and is not recommended for users under age 14.



7. Please fly the drone within the control range and always keep an eye on the flying.



8. Be sure to observe all local regulations, obtain appropriate authorizations and understand risks. Please note it is solely your responsibility to comply with all flight regulations.

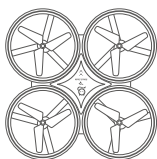


SNAPTAIN accepts no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of this product. The user shall observe safe and lawful practices including, but not limited to, those set forth in these Safety Guidelines. SNAPTAIN reserves the right to update this user manual.

## » MAINTENANCE AND CARE

1. Thoroughly check the drone after crash or violent impact.
2. Do not charge battery before it cools down.
3. Remove the batteries if the products will not be in use for a long time.
4. Unplug the USB cable once it's fully charged.
5. Store the drone and remote in a cool, dry place away from direct sunlight.
6. Do not charge the battery next to inflammable materials, such as bed, carpet, wood floors or countertops etc., or on surfaces that are electrically conductive.

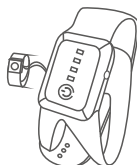
## » PACKING LIST



SP300 Drone x1



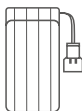
Standard Mini Remote  
(Batteries not included) x1



G-sensor Watch  
Remote x1



Waterdrop-shaped  
Remote x1



Battery x2



USB cable  
for drone battery x2



USB cable for  
watch remote x1



Spare Propeller  
Ax2 Bx2



Screw for Propeller x6



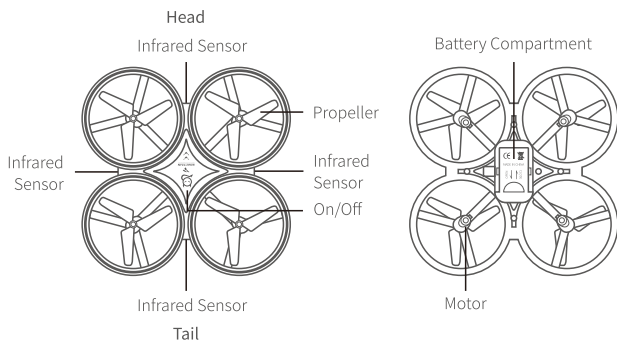
Screwdriver x1



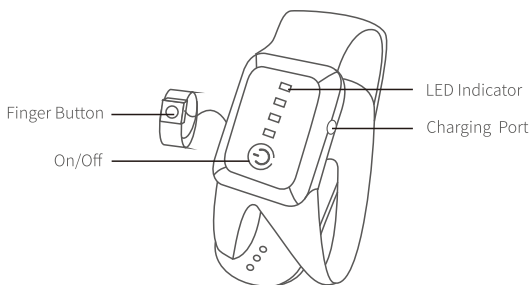
User Manual x1

## » PRODUCT OVERVIEW

### SP300 Drone



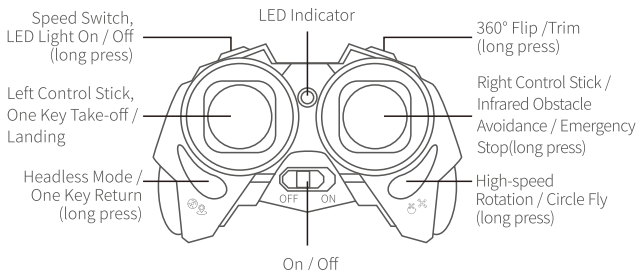
### G-sensor Watch Remote



### Waterdrop-Shaped Remote

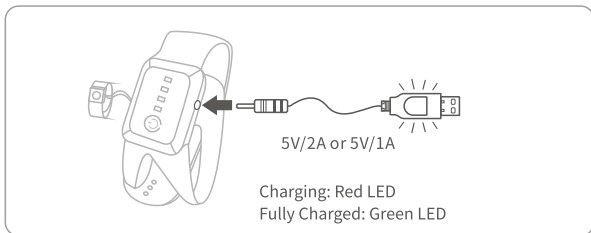


## Standard Mini Remote

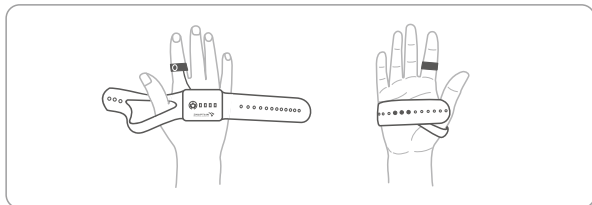


## » FLIGHT PREPARATION

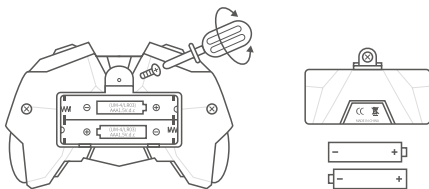
1. Charge the G-sensor watch remote.



2. Wear the watch remote on your palm after it's fully charged.

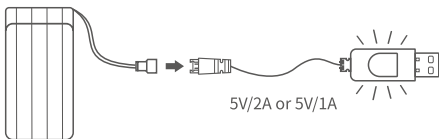


### 3. Install the remote batteries.



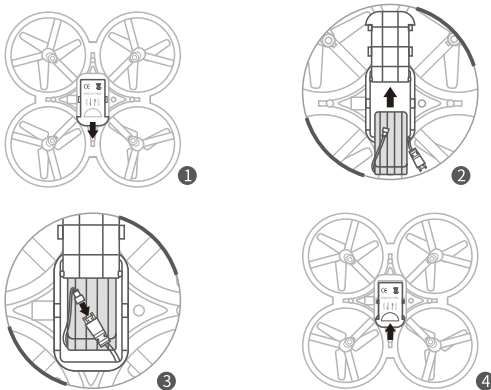
2\*AAA 1.5V Battery (not included)  
Please use new batteries, and do not mix the battery type.

### 4. Charge the battery of the drone.



Charging: Red LED  
Fully Charged: Green LED

### 5. Install the drone battery after it's fully charged.



💡 Tips:

- ❶ For your safety, please use the original battery and USB cables provided.
- ❷ Flight time of the battery may be reduced when flying in cold weather.
- ❸ Keep the Li-ion battery away from any sharp object that could puncture into it to avoid risks of explosion and fire.

## » FLIGHT OPERATION GUIDE

### **i** IMPORTANT

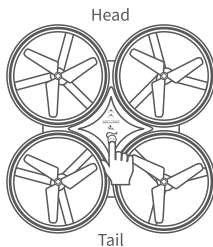
- \*Make sure you power on the drone first, then the remote in each flight.
- \*Do repeat the pairing procedure each time when the drone or remote is restarted.
- \*Calibration is a must to avoid losing your drone.
- \*For all flight functions and modes, the operator and tail of the drone must be aligned.
- \*We recommend flying in the open air and within the control range for beginners.

## Fly the drone with the G-sensor Watch Remote

### 1. Pair the watch remote with the drone

#### Step 1:

Press and hold the **On/Off** button for 2s to turn on the drone. The LEDs on it start flashing quickly, then flashing slowly. Place the drone on a flat surface with its head in the front.



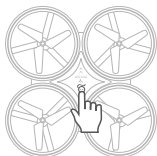
#### Step 2:

Shortly press the **On/Off** button to turn on the watch remote, and LEDs on the drone start flashing quickly again. Pairing is complete automatically when the LEDs on the drone turn to solid on.



## 2. Calibrate

Shortly press the **On/Off** button on the drone, then LEDs on the drone start flashing quickly. The calibration completes when the LEDs on the drone turn to solid on.

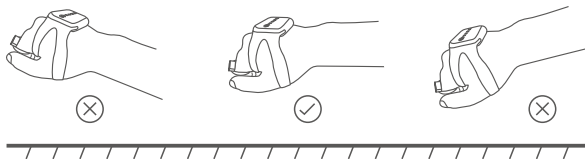


## 3. Flight Instructions

### Take-off

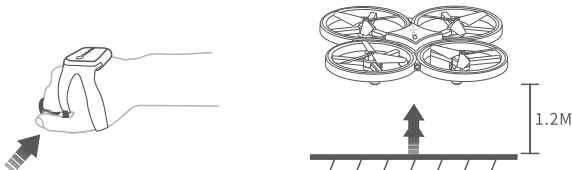
#### Step 1:

Clench your fist, then move it to make the watch remote to be horizontal with the earth's surface.



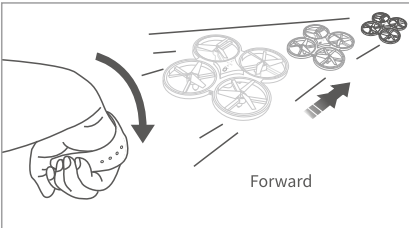
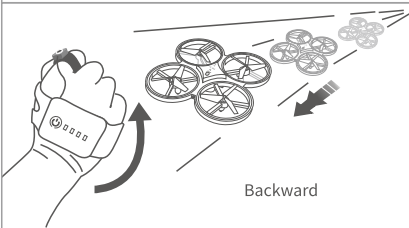
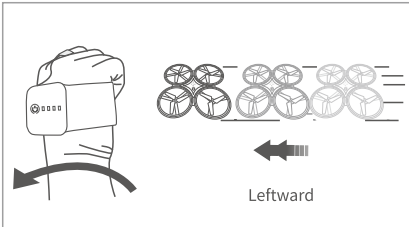
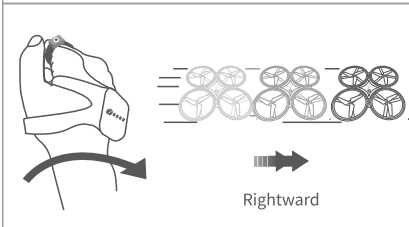
#### Step 2:

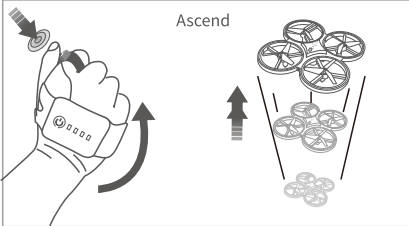
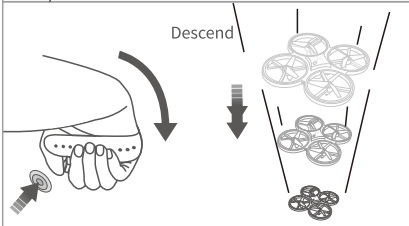
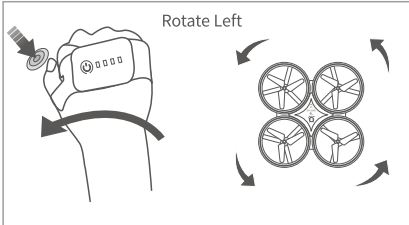
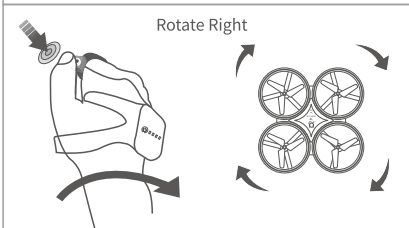
Shortly press the **Finger Button**, then release it. The drone will vertically take off to a height of 1.2M. Then follow the **Directions** below to fly it.





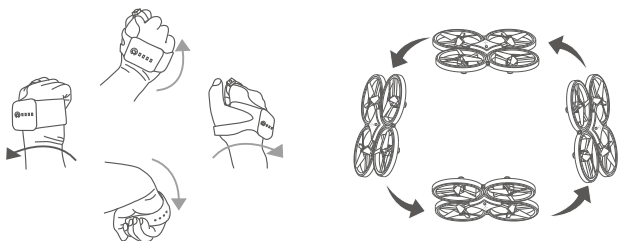
## Directions

 <p>The diagram shows a hand holding a wrist-mounted controller. A curved arrow indicates the wrist tilting downwards. To the right, a drone is shown in flight, moving forward as indicated by a straight arrow and the word "Forward".</p>	<p>Release the Finger Button during flight, then tilt your fist downward, and the drone will fly forward.</p>
 <p>The diagram shows a hand holding a wrist-mounted controller. A curved arrow indicates the wrist tilting upwards. To the right, a drone is shown in flight, moving backward as indicated by a straight arrow and the word "Backward".</p>	<p>Release the Finger Button during flight, then tilt your fist upward, and the drone will fly backward.</p>
 <p>The diagram shows a hand holding a wrist-mounted controller. A curved arrow indicates the fist leaning to the left. To the right, a drone is shown in flight, moving leftward as indicated by a straight arrow and the word "Leftward".</p>	<p>Release the Finger Button during flight, then lean your fist leftward, and the drone will fly leftward.</p>
 <p>The diagram shows a hand holding a wrist-mounted controller. A curved arrow indicates the fist leaning to the right. To the right, a drone is shown in flight, moving rightward as indicated by a straight arrow and the word "Rightward".</p>	<p>Release the Finger Button during flight, then lean your fist rightward, and the drone will fly rightward.</p>

<p style="text-align: center;">Ascend</p> 	<p>Press and hold the Finger Button during flight, then tilt your fist upward, and the drone will ascend.</p>
<p style="text-align: center;">Descend</p> 	<p>Press and hold the Finger Button during flight, then tilt your fist downward, and the drone will descend.</p>
<p style="text-align: center;">Rotate Left</p> 	<p>Press and hold the Finger Button during flight, then lean your fist leftward, and the drone will rotate to the left.</p>
<p style="text-align: center;">Rotate Right</p> 	<p>Press and hold the Finger Button during flight, then lean your fist rightward, and the drone will rotate to the right.</p>

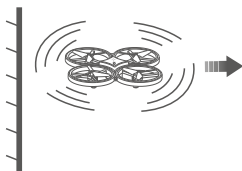
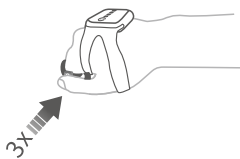
## 360° Flip

Move your fist to make the watch remote to be horizontal with the earth's surface during flight. Shortly press the **Finger Button**, then release it. The LEDs on the drone will start flashing quickly, then tilt/lean your fist forward/backward/leftward/rightward to flip the drone accordingly.



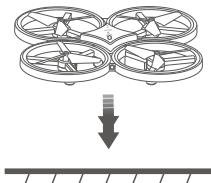
## Infrared Obstacle Avoidance

Continuously press the **Finger Button** for 3 times to activate **Infrared Obstacle Avoidance** mode during flight. The LEDs on the drone will flash for 3 times, then turn to solid on. The drone will fly to other directions when it detects an obstacle. Press the same button for 3 times again to cancel the mode.



## Landing

Move your fist to make the watch remote to be horizontal with the earth's surface during flight, release the **Finger Button**, then simply press the **On/Off** button on the watch remote to land the drone.



## Emergency Stop

Press and hold the **On/Off** button on the watch remote for 2s, the drone will stop flying and fall.



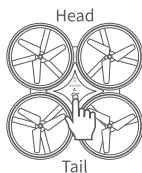
## Fly the drone with the waterdrop-shaped remote

### **i** IMPORTANT

\*Please turn off the G-sensor watch remote and the standard mini remote before using the waterdrop-shaped remote.

### 1. Power on the Drone

Press and hold the **On/Off** button for 2s to turn on the drone. The LEDs on it start flashing quickly, then flashing slowly. Place the drone on a flat surface with its head in the front.



### 2. Calibrate

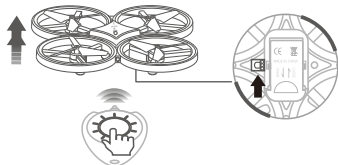
Shortly press the **On/off** button on the drone, then LEDs on the drone start flash quickly again. The calibration completes when the LEDs become flashing slowly.

### 3. Flight Instructions

#### Take-off

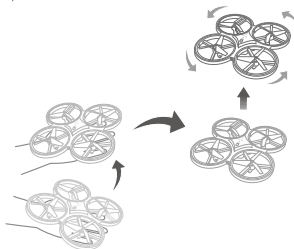
##### Option 1:

Shortly press the water-shaped remote to take off the drone.



**Option 2:**

Place the drone in your palm with the head of drone in the front, then gently throw it into the air.

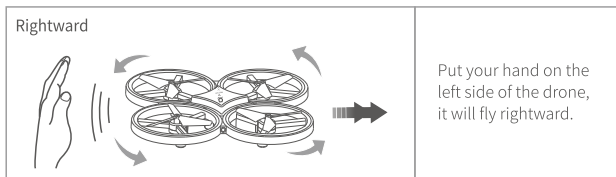


\*Please make sure there is enough space while throwing the drone up. We recommend this option only when the operator is skilled in basic operation.

After taking off, the drone will keep rotating slowly so that the infrared sensor can detect the surroundings.

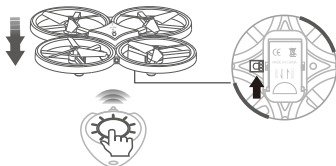
**Directions**

<p>Ascend</p>	<p>Put your hand underneath the drone, it will ascend.</p>
<p>Descend</p>	<p>When the drone flies over a height of 1.2M, it will automatically and slowly descend.</p>
<p>Leftward</p>	<p>Put your hand on the right side of the drone, it will fly leftward.</p>



## Landing

Shortly press the water-shaped remote to land the drone during flight.

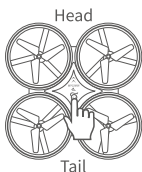


## Fly the drone with the standard mini remote

### 1. Pair the standard mini remote with the Drone

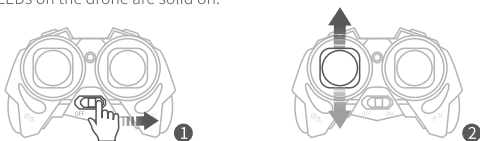
#### Step 1:

Press and hold the **On/Off** button for 2s to turn on the drone. The LEDs on it start flashing quickly, then flashing slowly. Place the drone on a flat surface with its head in the front.



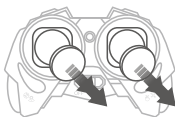
#### Step 2:

Turn on the remote. Push the **Left Control Stick** forward to the top, then pull it backward till the bottom. There is a beeping sound in each step. Pairing is successful when the LEDs on the drone are solid on.



## 2. Flight Calibration

After successfully pairing the drone and remote, move both control sticks to lower right at 45° and hold for 2-3 secs to calibrate the drone. The calibration completes when the LEDs on the drone turn to solid on from quick flash.

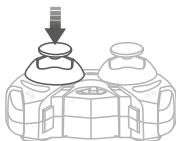


## 3. Flight Instructions

### Take-off

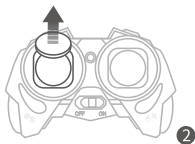
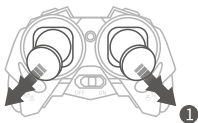
#### Option 1:

Press down the **Left Control Stick** to take off.




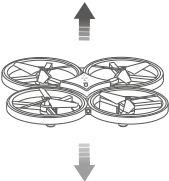
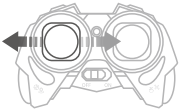
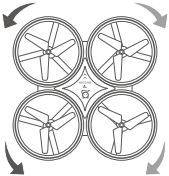
#### Option 2:

Move the **Left Control Stick** to lower left at 45° and the **Right Control Stick** to lower right at 45° at the same time until four propellers start rotating, then slowly push the **Left Control Stick** forward to take off.


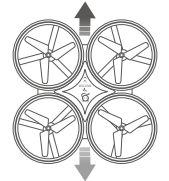

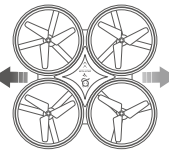


## Directions

### Left Control Stick

<p>Ascend and descend</p> 		<p>Push the Left Control Stick forward and the drone will ascend; pull it backward and the drone will descend.</p>
<p>Rotate Left and Rotate Right</p> 		<p>Pull the Left Control Stick leftward and the drone will rotate to the left; pull it rightward and the drone will rotate to the right.</p>

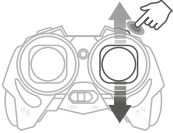
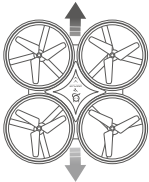
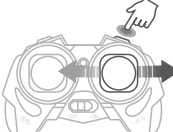
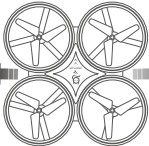
### Right Control Stick

<p>Forward and Backward</p> 		<p>Push the Right Control Stick forward and the drone will fly forward; pull it backward and the drone will fly backward.</p>
<p>Leftward and Rightward</p> 		<p>Pull the Right Control Stick leftward and the drone will fly leftward; pull it rightward and the drone will fly rightward.</p>





## Flight Trimming

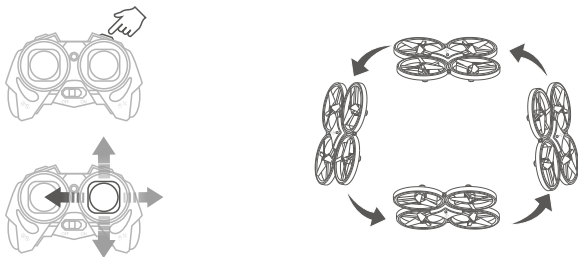
Proper trimming can help achieve a hovering flight.

		<p>If the drone drifts forward or backward when flying, press and hold on the 360° Flip button, then slightly move the Right Control Joystick backward or forward to adjust.</p>
		<p>If the drone drifts leftward or rightward when flying, press and hold on the 360° Flip button, then slightly move the Right Control Joystick rightward or leftward to adjust.</p>

Release the   button to cancel the trimming mode.

## 360° Flip

After flying the drone to a height over 2 meters, shortly press the   button to activate 360° Flip function, then release it. Move the **Right Control Stick** forward/backward/leftward/rightward to flip the drone 360° accordingly.




\*This function can not be activated when the battery of drone is low.


## LED Light On/Off

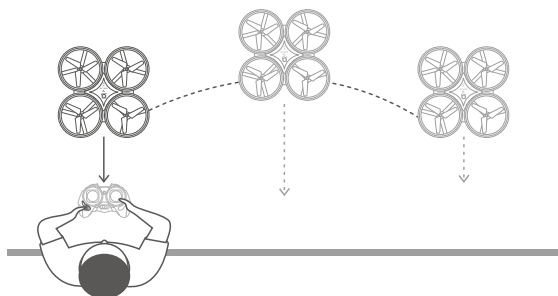
Press and hold the  button for 3s to turn on/off the light of the drone.

## Speed Switch


The drone is set to low speed by default. Press the  button once for medium speed and there are two beeps from the remote. Press it again for high speed and there are three beeps from the remote. A third press will get back to low speed and there is one beep from the remote.

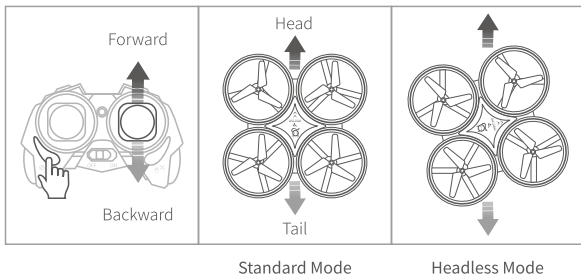
## One Key Return

Long press the  button, the drone will fly toward its back following a path that parallels with its original take-off path. Long press the button again to cancel the mode.




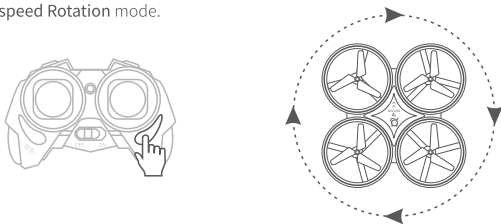
## Headless Mode


Shortly press the  button to activate the function. The LEDs on the drone will flash and there is beeping sound from the remote. In this mode, the drone will fly following the direction of the **Right Control Stick** regardless of the position of your drone's head or the tail. Press the same button again to exit this mode.

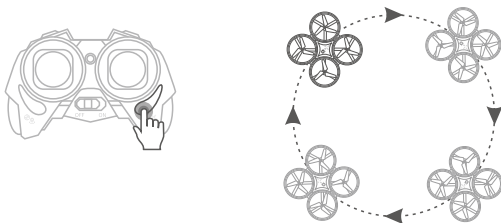


## High-Speed Rotation & Circle Fly

Shortly press the  button to rotate the drone with high speed. Press the button again or move the **Right Control Stick** to any direction to exit the High-speed Rotation mode.



Long press the  button to fly the drone in circles; long press the button again or move the **Right Control Stick** to any direction to exit the Circle Fly mode.



\*This function can not be activated when the battery of drone is low.

## Infrared Obstacle Avoidance

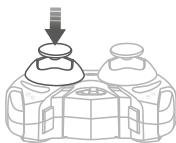
Press down the **Right Control Stick** to activate the **Infrared Obstacle Avoidance** mode. The drone will fly to other directions when it detects an obstacle. Press it down again to cancel the mode.



## Landing

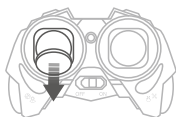
### Option 1:

Press down the **Left Control Stick** to land.



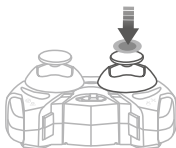
### Option 2:

During flight, pull the **Left Control Stick** backward to the bottom to land the drone, and hold it for 3s at least until all the rotor blades stop rotating.



## Emergency Stop

Press down and hold the **Right Control Stick** for 3s, the drone will stop flying and fall.



## Altitude Hold/Hover

This is one of the default settings in the drone. When you release the **Left Control Stick** after the ascending/descending action, the drone will hover at the current flight height. Proper trimming can help achieve a stable flight.

## » PARAMETERS

Maximum Flight Relative Height	50M	Control Range	≤50M
Motor	716 Coreless	Drone Battery	Li-ion Battery
Charging time for the watch remote	30 minutes	Charging time for one drone battery	60 minutes

## » TROUBLESHOOTING GUIDE

### Q1. Drone LEDs do not light up.

- \*Press the On/Off button on the drone;
- \*Replace or charge the battery of drone.
- \*Make sure the connectors of the battery are plugged in firmly.

### Q2. Drone LEDs keep flashing, but the drone never responds to any command from the standard mini remote.

- \*Pair the drone and remote again.
- \*Replace or charge the battery of drone.
- \*Make sure the batteries in remote have enough power.
- \*Make sure to turn off the G-sensor watch remote.

### Q3. The flight is not stable.

- \*Return the drone and restart to do a calibration as instructed.
- \*Make the flight trimming accordingly.
- \*Fly the drone when the weather is good.

### Q4. The response from the drone to the control is not sensitive.

- \*Make sure the distance between the drone and remote is effective.

### Q5. The drone will fly beyond the control range.

- \*Activate the **Headless mode**, then move the **Right Control Stick** to fly the drone back.

### Q6. Replace the rotor blades.

- \*The propellers and motors are marked with A and B letter. Please pair them when replacing the rotor blades.

### Q7. The water-shaped remote doesn't work.

- \*Make sure you turn off the G-sensor watch remote and standard mini remote.



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