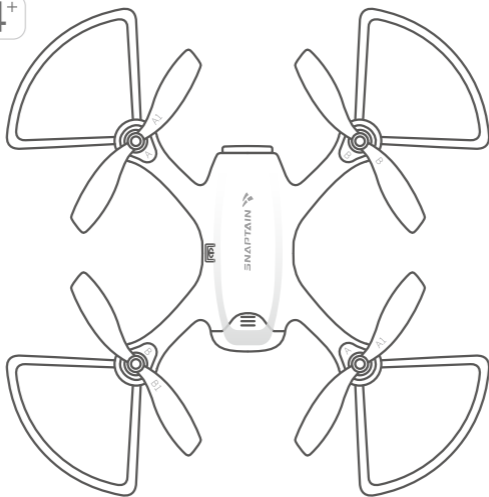


FOR AGES  
**14+**



MINI DRONE  
**SP360**

USER MANUAL

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

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# DISCLAIMER AND SAFETY GUIDELINES

1. DO NOT look directly into the drone light.



2. DO NOT treat the product as household waste.



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. Stay away from the rotating propellers and motors to avoid some tiny objects (e.g. hair) to get into them.



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

14<sup>+</sup>  
years 

7. Please maintain line-of-sight of your drone at all times after it is powered up. Do not rely on the camera image to control your drone.



8. This drone does not come with a GPS module. Please fly the drone within the control range and always keep an eye on the flying.



9. This product is not intended for professional aerial drone photography.



10. 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.



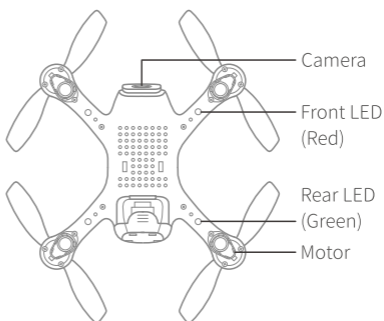
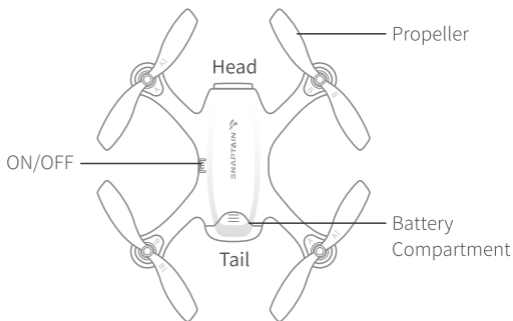
SNAPTAIN accepts no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of this product. The user shall observe safe and lawful practices including, but not limited to, those set forth in these Safety Guidelines. SNAPTAIN reserves the right to update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

## MAINTENANCE AND CARE

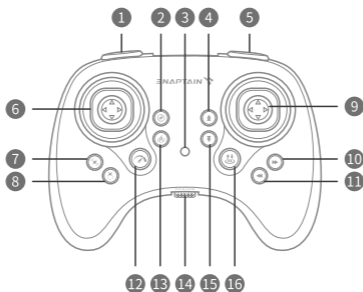
1. Thoroughly check the drone after a crash or violent impact.
2. Do not charge battery if it is hot. Let it cool down first.
3. Remove the batteries from both the drone and the remote if they will not be used for a long time.
4. Unplug the charger once the battery is fully charged.
5. Store the drone and remote in a cool, dry place away from direct sunlight.
6. Avoid direct contact of the camera with water or other liquids. Wipe dry with a soft absorbent cloth if it gets wet.
7. Do not charge the battery next to inflammable materials, such as carpet, wood floors or countertops etc., or on surfaces that are electrically conductive. Do not leave the battery unattended while charging.
8. Please use the original battery provided. Use an incorrect type of battery may lead to fire hazards.
9. Do not dispose of the battery in fire or a hot oven, cut or mechanically crush the battery, as this may cause explosions.
10. Do not leave the battery in an extremely high-temperature environment that can result in an explosion or the leakage of flammable liquid or gas.
11. Do not expose the battery to the extremely low air pressure, as this may result in an explosion or the leakage of flammable liquid or gas.

# PRODUCT OVERVIEW

## Drone



# Remote

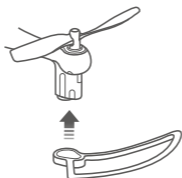


- |   |   |    |  |
|---|---|----|--|
| 1 | 360° Flip                                 | 10 | Rightward Trim                             |
| 2 | Headless Mode                             | 11 | Leftward Trim                              |
| 3 | LED Indicator                             | 12 | Speed Switch                               |
| 4 | Forward Trim                              | 13 | One Key Return                             |
| 5 | Photo (short press)<br>Video (long press) | 14 | ON/OFF                                     |
| 6 | Left Control Stick                        | 15 | Backward Trim                              |
| 7 | High-speed Rotation                       | 16 | One Key Take-off/<br>Landing (short press) |
| 8 | Circle Fly                                |    | Emergency Stop<br>(long press)             |
| 9 | Right Control Stick                       |    |  |

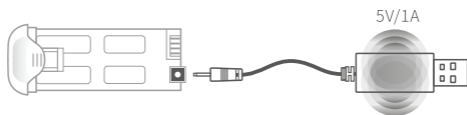


# FLIGHT PREPARATION

- ① Install the propeller guards.



- ② Charge the drone battery.



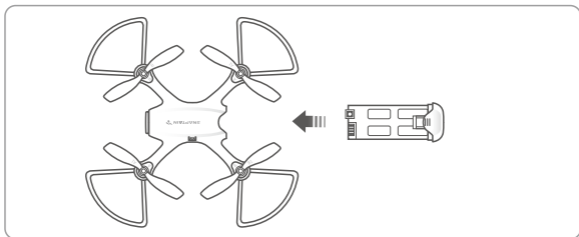
Charging: Red LED

Fully charged: LED off

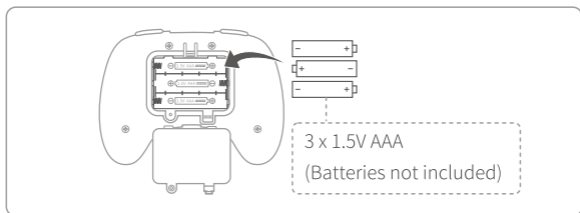
## ⚠ Notes:

- \* Please use the original battery and USB cable provided.
- \* Keep the battery away from any sharp objects that could puncture into the battery to avoid risks of explosion and fire.
- \* It's not recommended to charge the battery from the USB port of PC.
- \* Flight time may be reduced when flying in low-temperature environments.
- \* To extend the battery's lifespan, recharge it at least once every three months if not using it for long periods of time.

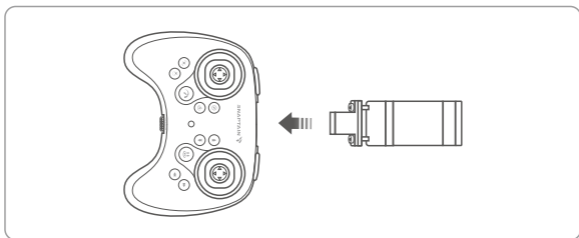
- ③ Install the battery into the drone after it's fully charged.



- ④ Install the remote batteries.

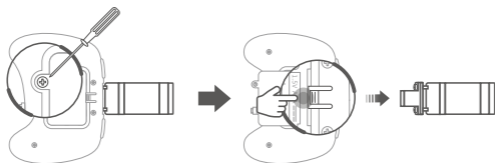


- ⑤ Install the **Phone Clamp** into the remote. (Optional)

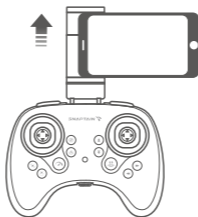


### How to take out the phone clamp?

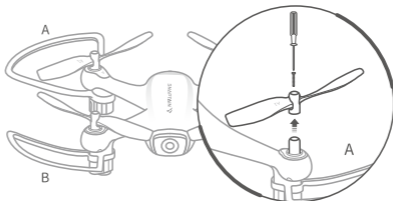
- \* Remove the battery cover on the back of the remote.
- \* Press the buckle down and take the phone clamp out.



- ⑥ Extend the phone clamp to mount your mobile device. (Optional)



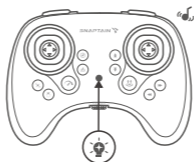
- ⑦ Replace the propellers when it's needed. (Optional)



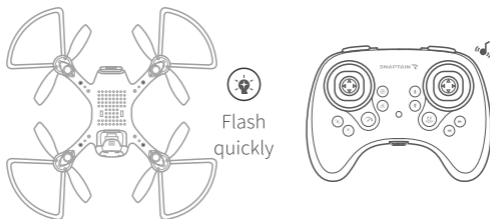
- \* Loosen the screw and remove the propeller.
- \* Fit the spare propellers into the drone. Ensure the mark (A/B) on the propeller is the same as the mark on the drone's arm.
- \* Tighten the screws.

## LOW BATTERY WARNING

When the remote battery is low, the LED indicator of the remote keeps flashing, and the remote keeps beeping.



When the drone battery is low, the LEDs on the drone keep flashing quickly, and the remote keeps beeping.



# FLIGHT OPERATION GUIDE

## **i** IMPORTANT

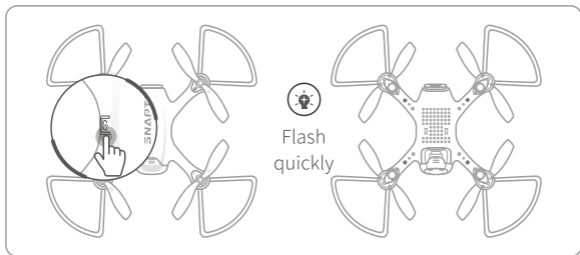
- \* Make sure you power on the drone first, then the remote in each flight.
- \* Do repeat the pairing and calibration procedure each time the drone or remote is restarted.
- \* For all flight functions and modes, the operator and tail of the drone must be aligned.
- \* We recommend flying in the open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

## Remote Operation Guide

### 1. Pair the Remote with the Drone

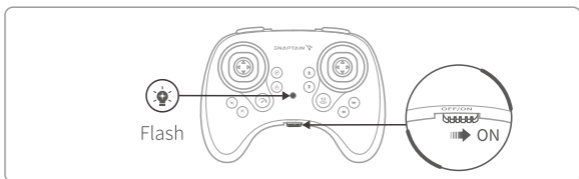
#### Step 1:

Press and hold the **ON/OFF** button to turn on the drone; its LEDs start flashing quickly. Then place the drone on a flat surface with the head forward.

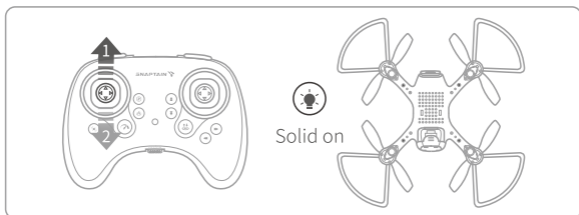


**Step 2:**

Turn on the remote; the remote beeps once and its LED indicator starts flashing.

**Step 3:**

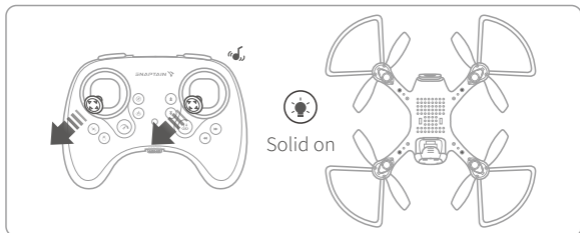
Push the **Left Control Stick** forward to the top, then pull it backward till the bottom. Pairing completes when the LEDs on the drone and remote turn solid on.

**Note:**

The drone and the remote will automatically turn off if no operation within 8 minutes.

**2. Flight Calibration**

Move both control sticks to lower left at 45°, then hold for 2-3 seconds until you hear a long beep from the remote. Calibration completes when the LEDs of the drone turn solid on from quick flashing.

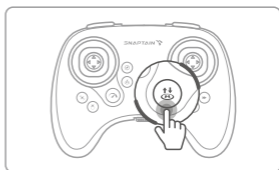


### 3. Flight Instructions

#### Take-off

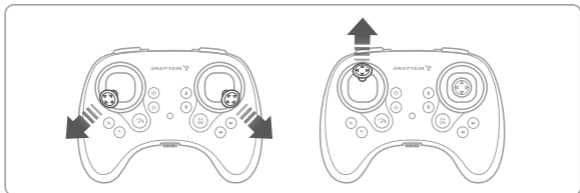
##### Option 1:

Press the  button to take off.



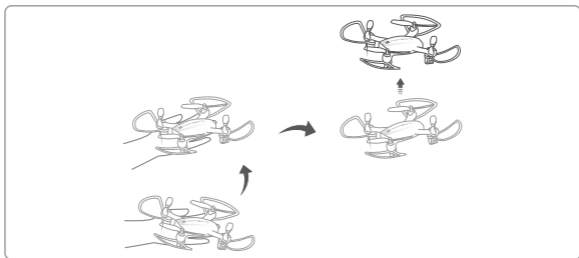
##### Option 2:

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



**Option 3:**

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

**! Note:**

Please calibrate the drone if the drone's LEDs keep flashing after a crash or impact.

**Landing****Option 1:**

Press the  button to land the drone.

**Option 2:**


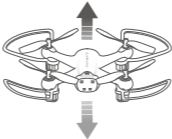


Slowly pull the **Left Control Stick** backward to land the drone until the propellers stop rotating.






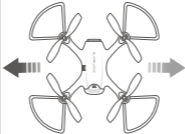


## Flight Directions





### Left Control Stick

		<p>Push the Left Control Stick forward and the drone will ascend; pull it backward and the drone will descend.</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>Push the Right Control Stick forward and the drone will fly forward; pull it backward and the drone will fly backward.</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


		<p>If the drone drifts forward or backward when hovering, press the <b>Backward Trim</b> button or the <b>Forward Trim</b> button to adjust.</p>
		<p>If the drone drifts leftward or rightward when hovering, press the <b>Rightward Trim</b> button or the <b>Leftward Trim</b> button to adjust.</p>

## Altitude Hold/Hover

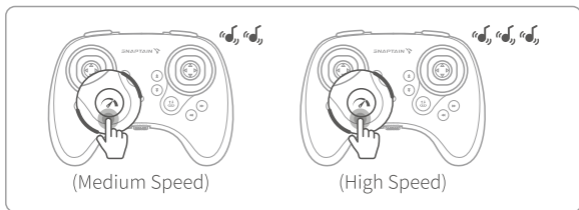
This is one of the default settings of the drone. When you release the **Left Control Stick** after an ascent/descent action, the drone will hover at the current flight height. For a stable flight, press the trim buttons to adjust accordingly.

## Speed Switch

The drone is set to low speed by default.


Press the  button once for **Medium** speed, and the remote will beep twice.

Press it again for **High** speed, and the remote will beep three times.

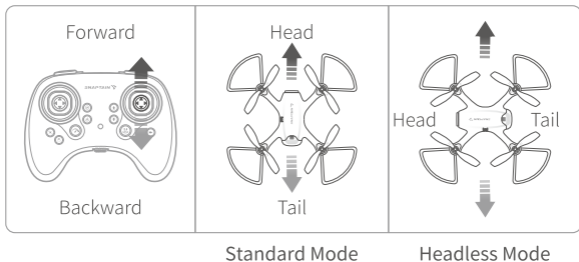


Press it the third time to get back to **Low** speed, and the remote will beep once.

## Headless Mode


Press the  button to activate **Headless Mode**; the red front LEDs on the drone keep flashing.

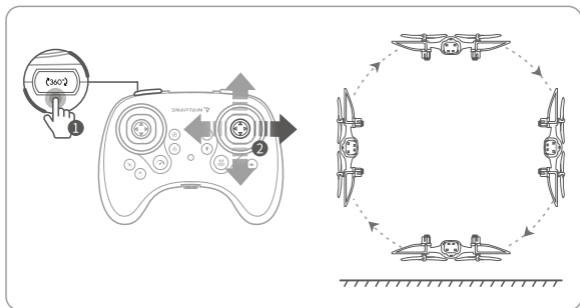
In this mode, the drone will fly following the direction of the **Right Control Stick** regardless of the position of your drone's head or tail.




Press the same button to exit this mode.

## 360° Flip


Fly the drone to a height over 2M, then press the  button to activate 360° Flip function. Next, move the **Right Control Stick** to flip the drone accordingly.

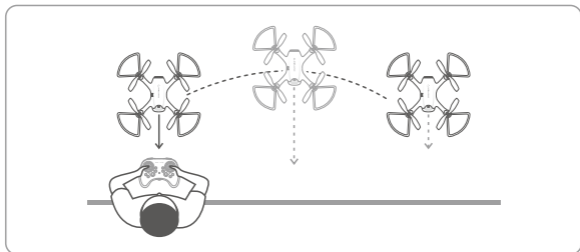



### ⚠ Notes:

- \* There are continuous beeps from the remote when you activate this function. If you do not move the **Right Control Stick** about 5s after you press the  button, the remote will stop beeping, indicating that this function is canceled.
- \* This function can't be activated when the battery of the drone is low.

## One Key Return

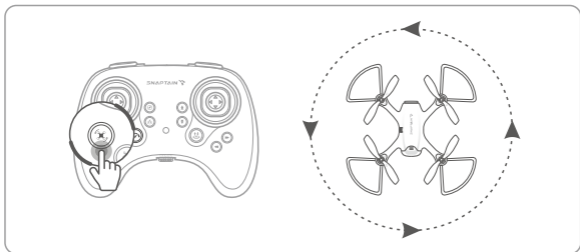
Press the  button, and then the drone will fly toward its back following a path parallel to its original take-off path. When the drone is returning, the green rear LEDs on the drone keep flashing.




Press the  button again or move the **Right Control Stick** forward to cancel this mode, or the drone will keep flying back.

## High-Speed Rotation

Press the  button to make the drone rotate at high speed.




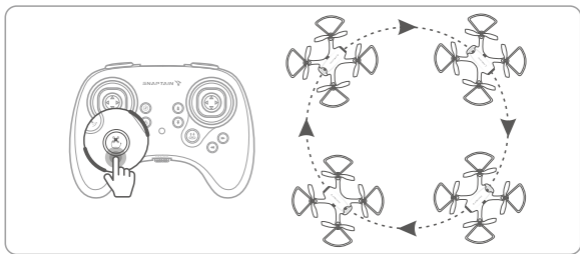
Press the  button again or move the **Right Control Stick** forward to exit this mode.


### Note:

This function can't be activated when the battery of the drone is low.

## Circle Fly

Ensure that there are no obstacles within a radius of 5 meters around the drone. Press the  button, and the drone will fly in circles.



Press the  button again or move the **Right Control Stick** forward to exit this mode.


### Note:

This function can't be activated when the battery of the drone is low.

## Photo/Video

Please connect the drone to your mobile device first (refer to **Page 20-22**), then go to the App **Snaptain Air** to check your photos and videos.

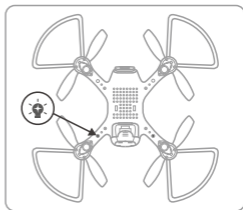
Press the  button to take a photo.

Press and hold the  button to start recording a video; press and hold it again to stop recording and save the video.


### Rear LEDs of the Drone

Taking a photo: flash once

Recording a video: flash slowly

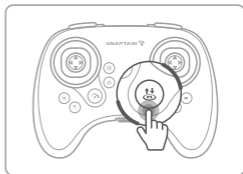


## Emergency Stop

Press and hold the  button, then the drone will stop in the air and fall.

### Note:

It's NOT recommended to use this function during normal flight for landing, which may cause serious damage to your drone.



## App Operation Guide

### 1. Download and Install the App

Download and install **Snaptain Air** into your mobile device from **App Store™/Google Play™** or by scanning the QR code below.



For Android 4.4 or later



For iOS 9.0 or later

### Note:

Google Play™ is a trademark of Google Inc., and App Store™ is a trademark of App Inc.

## 2. Pair the App with the Drone

### Step 1:

Press and hold the **ON/OFF** button to turn on the drone; its LEDs start flashing quickly. Then place the drone on a flat surface with the head forward.

### Step 2:

Go to the Wifi settings of your mobile device and connect to the Wifi **Snaptain-SP360-xxxxxx**.

### Step 3:

Open **Snaptain Air App** and slide to the interface of **SP360**. Tap **Function Display** and **ON/OFF** to turn on the App. LEDs on the drone turn to solid on at a successful connection.



### Step 4:

Tap , then tap  to calibrate the drone.



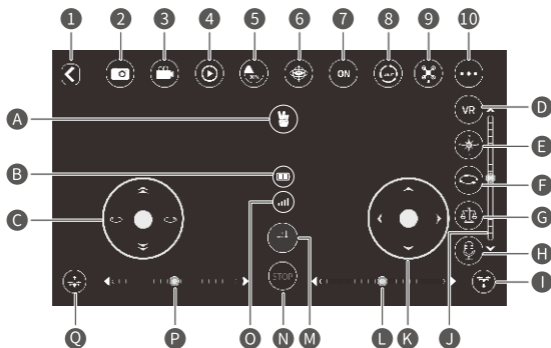
## **i** IMPORTANT:

If you want to use the App to check the live image and the remote to control the drone, tap the **ON/OFF** icon to **OFF**, then pair the drone with the remote again.

### **!** Notes:

- \* If **Snaptain-SP360-xxxxxx** is not listed or the App doesn't show the preview image, please restart the drone and search the drone's Wifi again.
- \* Make sure the Wifi **Snaptain-SP360-xxxxxx** is only connected to one device.
- \* The drone's Wifi has no Internet access. To prevent your mobile device from automatically switching to cellular data, we recommend that you turn off cellular data when connecting to the drone's Wifi.

## 3. Function Overview of the App



- 1 Back
- 2 Photo
- 3 Video
- 4 Media Gallery
- 5 Speed Switch
- 6 G-Sensor Mode
- 7 App ON/OFF
- 8 360° Flip
- 9 One Key Return
- 10 More
  
- A Gestures for Photo/Video
- B Drone Battery Status
- C Turn Left/Turn Right/  
Ascend/Descend
- D VR Mode
- E Headless Mode
- F Trajectory Flight
- G Calibration
- H Voice Control
- I One Key Landing
- J Trim forward/backward
- K Forward/Backward/  
Leftward/Rightward
- L Trim leftward/rightward
- M Scale
- N Emergency Stop
- O Wifi Signal
- P Trim clockwise/  
anticlockwise
- Q One Key Take-off

**! Note:**

The **Left/Right Control Stick** appears when you tap on the blank area on the left/right side of the screen.

▶ **More:**

Tap  to show or hide icons from **D** to **H**.

▶ **Photo:**

Tap  once to take a photo.


▶ **Video:**

Tap  once to start recording, tap again to end and save the video.

**▶ Media Gallery:**

Tap  to check the photos and videos saved to the mobile device.

**▶ G-Sensor Mode:**


Tap  to activate this mode. The drone will fly following the inclines of your mobile device in its landscape orientation.

**▶ VR Mode:**

VR device (not included) is required to activate VR Mode.

**▶ Calibration:**




Tap  to calibrate the drone directly.

If the LEDs of the drone flash quickly after a sudden impact, please tap  to calibrate the drone.

**▶ Voice Control:**

Take off, landing, forward, backward, left, right.

**▶ Gestures for Photo/Video:**

Tap  to activate this function. Please face the camera and make a  gesture with your hand to take a photo, a  gesture to start/end recording a video.


**▶ Wifi Signal:**



Check the Wifi status of the drone to avoid losing control. When it drops to 2 or 1 bar, please do not fly the drone further away.

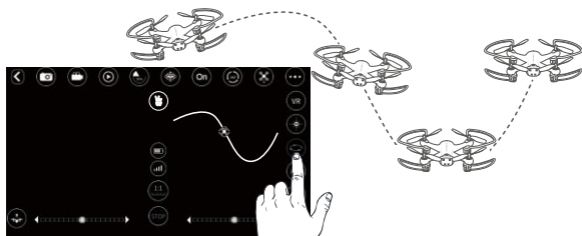
**▶ Battery Status:**

Check the battery status of the drone.

### ► Trajectory Flight:

Tap  to activate this mode. Draw a path in the blank area on the right side of the screen and the drone will fly following the path.

Tap  to modify flight distance and time accordingly. Tap  again to exit this mode.



## TROUBLESHOOTING GUIDE

### 1. The drone's LEDs are still off after I turn on the drone.

- \* Ensure the drone is turned on successfully.
- \* Ensure the drone battery has enough power.
- \* Ensure the drone battery is installed correctly.

### 2. The drone's LEDs keep flashing and it doesn't respond to the remote.

- \* Ensure the drone is paired with the remote.
- \* Ensure the drone and the remote have enough power.

### 3. The flight is not stable.

- \* Fly the drone back and do the flight calibration.
- \* Make the flight trimming accordingly.
- \* We recommend flying the drone on windless days.

**4. The drone doesn't respond sensitively to the remote.**

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

**5. The drone frequently disconnects with the APP.**

- \* Ensure the distance between the remote and your mobile device is effective.
- \* Ensure your mobile device connects to the drone's Wifi.

**6. The drone doesn't respond to the voice commands.**

- \* Ensure the APP has access to the audio function of your mobile device.
- \* Turn off the remote, and then pair the drone with the APP.

**7. Some of the functions in APP are unavailable.**

- \* Ensure that you've turned on the APP.

**8. Cannot use some of the functions when using the remote to control the drone.**

- \* Ensure the drone battery has enough power.

# SPECIFICATIONS

## Drone

Operating Temperature	32°F to 104°F (0°C to 40°C)
-----------------------	-----------------------------

Frequency Range	Model SP360: 2412~2472 MHz
-----------------	-------------------------------

Transmit Power (EIRP)	Model SP360: 2.4 GHz < 14 dBm
-----------------------	----------------------------------

## Remote

Frequency Range	Model SP360: 2447~2479 MHz
-----------------	-------------------------------

Transmit Power (EIRP)	Model SP360: 2.4 GHz < 14 dBm
-----------------------	----------------------------------

## USB Cable

Input	5V $\overline{\text{---}}$ 1A
-------	-------------------------------

Output	3.7V $\overline{\text{---}}$ 0.8A
--------	-----------------------------------

Rated Power	3W
-------------	----

## FCC Caution

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

For Remote:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

For R/C QUADCOPTER:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## ISED Warning

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

For R/C QUADCOPTER:

The device is compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance. The minimum distance from body to use the device is 20cm.

L'appareil est conforme aux directives d'exposition aux RF, les utilisateurs peuvent obtenir des informations canadiennes sur l'exposition aux RF et la conformité.

La distance minimale du corps pour utiliser l'appareil est de 20 cm.

For Remote:

The device is compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance.

Le présent appareil est conforme

Après examen de ce matériel aux conformité ou aux limites d'intensité de champ RF, les utilisateurs peuvent sur l'exposition aux radiofréquences et la conformité and compliance d'acquérir les informations correspondantes.

## CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE  
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS



The symbol indicates DC voltage



RECYCLING



This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment. This product can be used across EU member states.



BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY



Refer to the user manual and relevant text.



Operate the product according to the instructions.

## Manufacturer

Shenzhen VanTop Technology & Innovation Co., Ltd.

Manufacturer address:

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EC

REP

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## SNAPTAIN SUPPORT

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