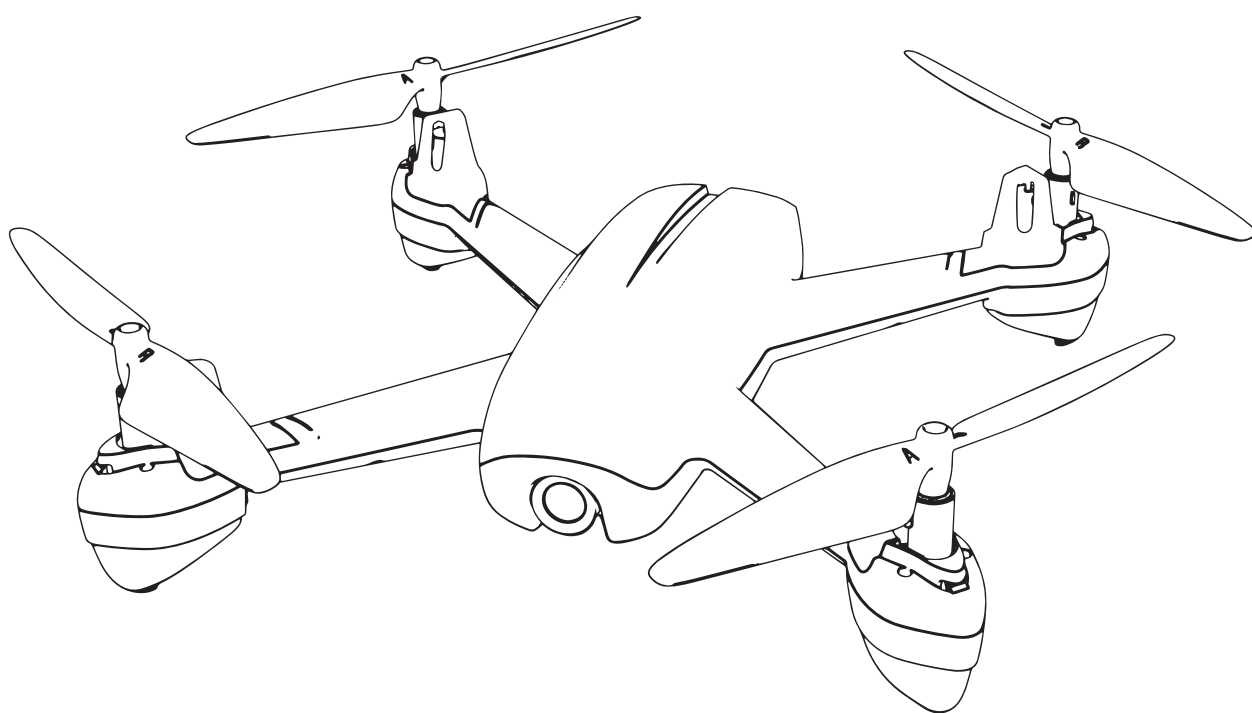# SEAGULL

14+

# Instructions For Use V 5.10

## FORBIDDEN:

In order to make sure that it meets the requirement of the electromagnetic environment of the aviation radio station, flying within the scope of 10 kilometers on each side by taking the airport runway center line as the middle line is HIGHLY FORBIDDEN or flying within the scope of 20 kilometers by taking both ends of the runway as the center is HIGHLY FORBIDDEN. Flying on the route of the airline is also PROHIBITED. Stop using all kinds of flying models or unmanned quad-rotors in the area that prohibited by related authority or department of country.

# CONTENT

# 1.0 DISCLAIMER & WARNINGS

1. Please read this disclaimer, warnings and safety guidelines carefully before using our product. This product is not recommended for people under the age of 14. By using this product, you hereby agree to this disclaimer and signify that you have read it fully. You agree that you are responsible for your own conduct and any damaged caused while using this product, and its consequences. You agree to use this product only for purposes that are proper and in accordance with local regulations, terms and all applicable polices and guidelines we may make avaliable.

2. When using this product, please be sure to strictly abide by the specification requirements and safety guidelines stated in this document. Any personal injury property damage, legal disputes and all other adverse events caused by the violation of the safety instructions or due to any other factor, will not be our responsibility.

## ⚠ WARNINGS
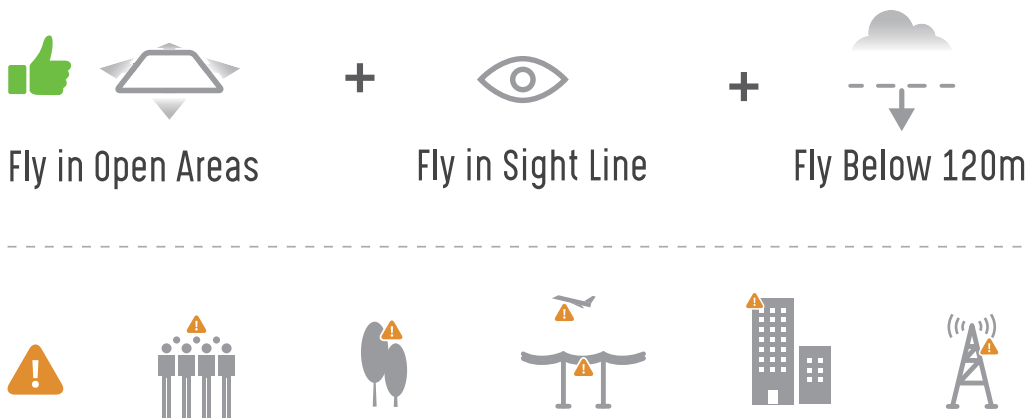
(1). The drone is designed for 14+.
(2). Adult supervision is always advisable with any from of flying toy.
(3). Always ensure your flight area is free of all obstacles before taking off, and ensure the drone is always flown in excess of 1.5 meters from yourself and others.
(4). Remove all batteries from the drone and transmitter when not in use.
(5). Never overcharge battery.
(6). Never leave to charge battery unattended.
(7). Never touch the drone's motors during or after as they can get hot.
(8). Never touch the propellers when they are in rotating.
(9). If the drone becomes damaged, stop using it immediately.
(10). Do not dispose of any parts of the drone or transmitter in the  normal rubbish, all parts should be taken to your local recycling centre.
(11). The battery in the drone should never be exposed to any form of high temperature or disposed in a fire.

# 2.0 SAFETY GUIDELINES

## 2.1 Check Before Use

(1). This product is not a toy, but a high precision drone that integrates various electronic stability and control mechanisms. Please be sure to set up this drone carefully and correctly to ensure safe, accident-free operation.

(2). Please be sure that the batteries of the drone and transmitter are clean, undamaged and have enough power.

(3). Please be sure that all the propellers are undamaged and are installed in the right orientation.

(4). Please do a thorough check of the product before each use. Check for firmness of the parts, any signs of cracks and wear of the propeller, battery power and effectiveness of the product until all the issues have been checked completely.

## 2.2 Safe Flight Environment



Fly in Open Areas    +    Fly in Sight Line    +    Fly Below 120m

1. Make sure the surrounding area is free of all people, pets or other obstacles before you start to fly your drone.

2. Your drone is designed for indoor or outdoor use. However, it is not recommended to fly the drone indoor if there is a limited space, or outdoor if there is any wind.

3. Keep a safe flight distance between you and the drone at all times.

## 2.3 Use of Battery

(1) Please ensure batteries are fitted in the correct orientation as shown in the instruction manual.

(2) Avoid short circuits by fiting the batteries incorrectly, and do not crush the batteries as this could cause the risk of an explosion.

(3) Do not mix new and old batteries as this can lead to a poor performance of the product.

(4) Dispose used batteries carefully.

(5) Please keep dead batteries away from heat and fire.

(6) If the device is not going to be used for a long time, remove batteries to prevent potential damage from battery leakage.

(7) It is recommended to only use the original USB charging cable that comes with the drone to charge the battery.

(8) Don't connect the battery directly to wall outlets or car cigarette-lighter sockets.

(9) Don't attempt to disassemble or modify the battery in any way.

(10) Don't use the battery if it gives of an odor, generates heat, becomes discolored or deformed, or appears abnormal in any way. If the battery is in use or being charged, remove it from the device or charger immediately and discontinue use.

**Notes:** Please ensure the batteries for the drone and the transmitter are fully charged before flight.
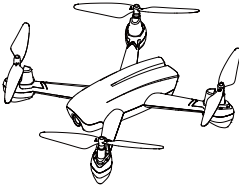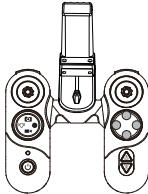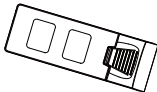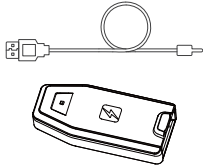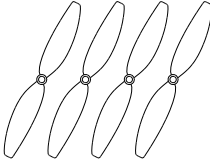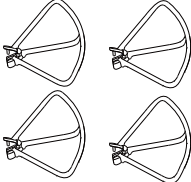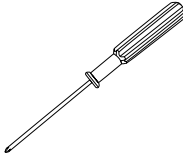
**Li-Po Battery Disposal & Recycling**
Waste Lithium-polymer batteries must not be placed with household trash. Please contact local environmental or waste agency or the supplier of your model or your nearest Li-Po battery recycling center.

## 2.4 Maintenance

1. Clean the product after each use with a clean, soft cloth.
2. Avoid prolonged exposure to direct sunlight and avoid the buildup of heat on the drone or batteries.
3. This device is not waterproof and must not be submerged or subjected to water under any circumstance. Failure to keep the device completely dry will result in failure and permanent damage to the unit. Be aware that although it might be dry where you are, droplets of rain or mist from a river or waterfall could damage your drone where it is flying.
4. Frequently check the charging plug and other accessories for signs of damage. If any part of the device or cables is damaged, avoid the use or charging until the device can be serviced.
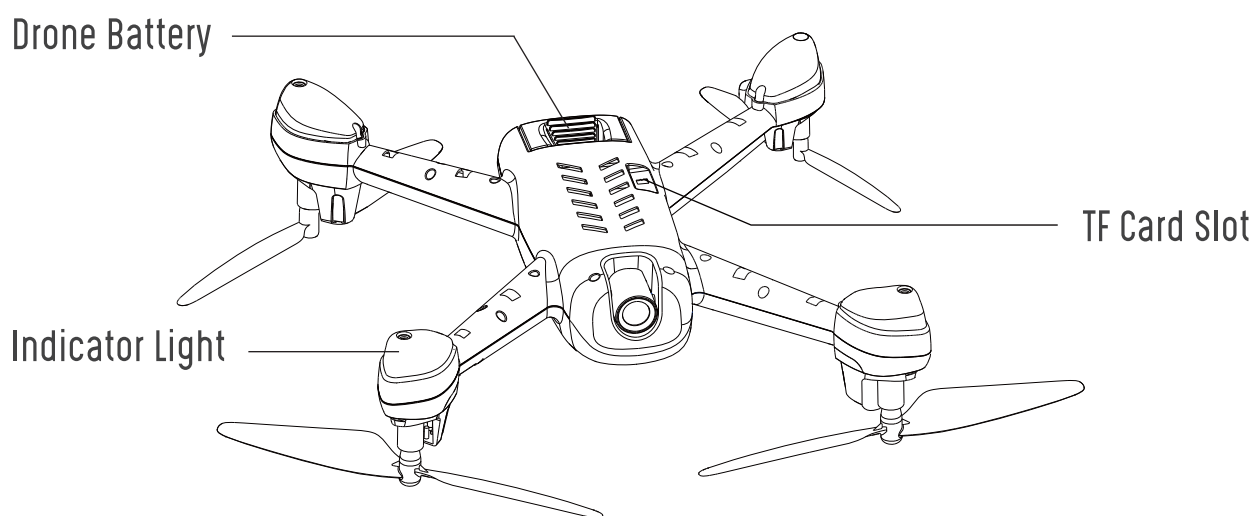
# 3.0 PACKING LIST

| | | | |
|---|---|---|---|
| x 1 | x 1 | x 1 | x 1 |
| Drone | Transmitter | Drone Battery | Charging Suit |
| x 4 | x 4 | x 1 | x 1 |
| Propellers | Protective Rings | Screwdriver | User Manual |

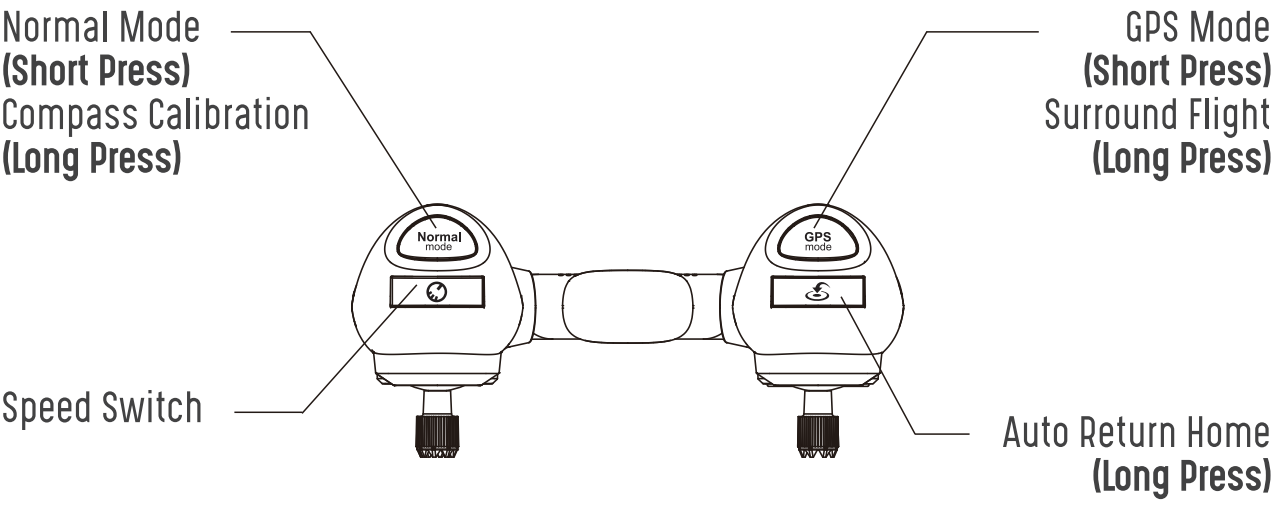# 4.0 DRONE'S DETAILS

Propeller A

Propeller B

Propeller B

Camera
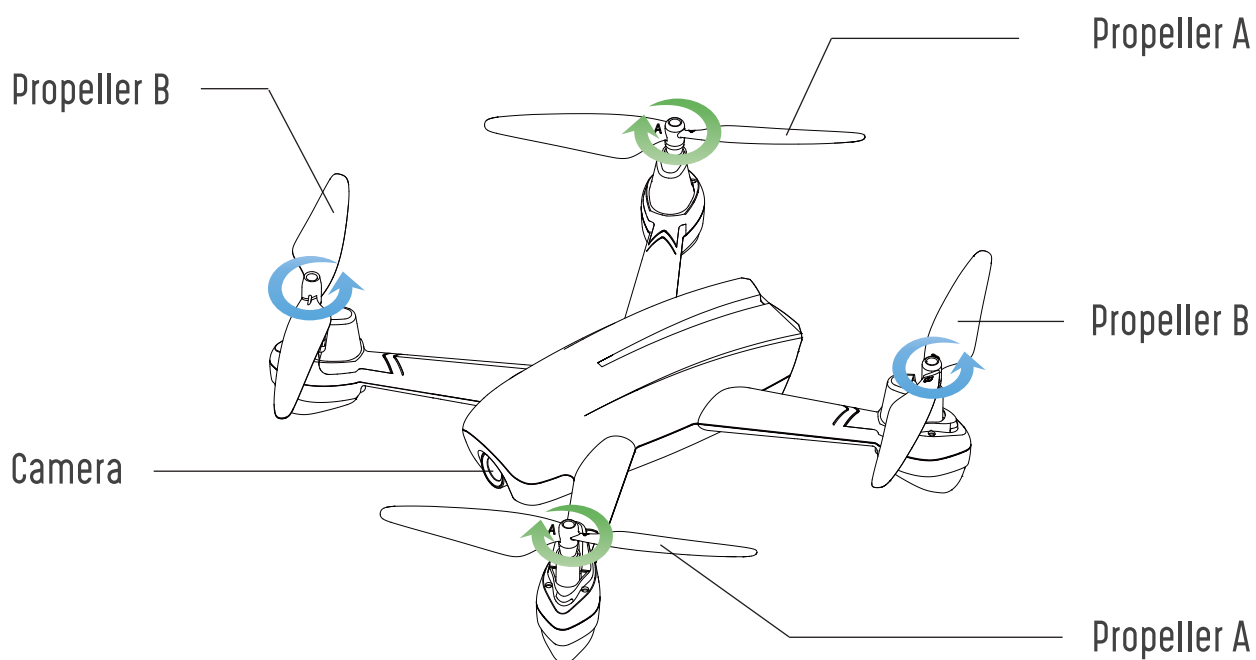
Propeller A
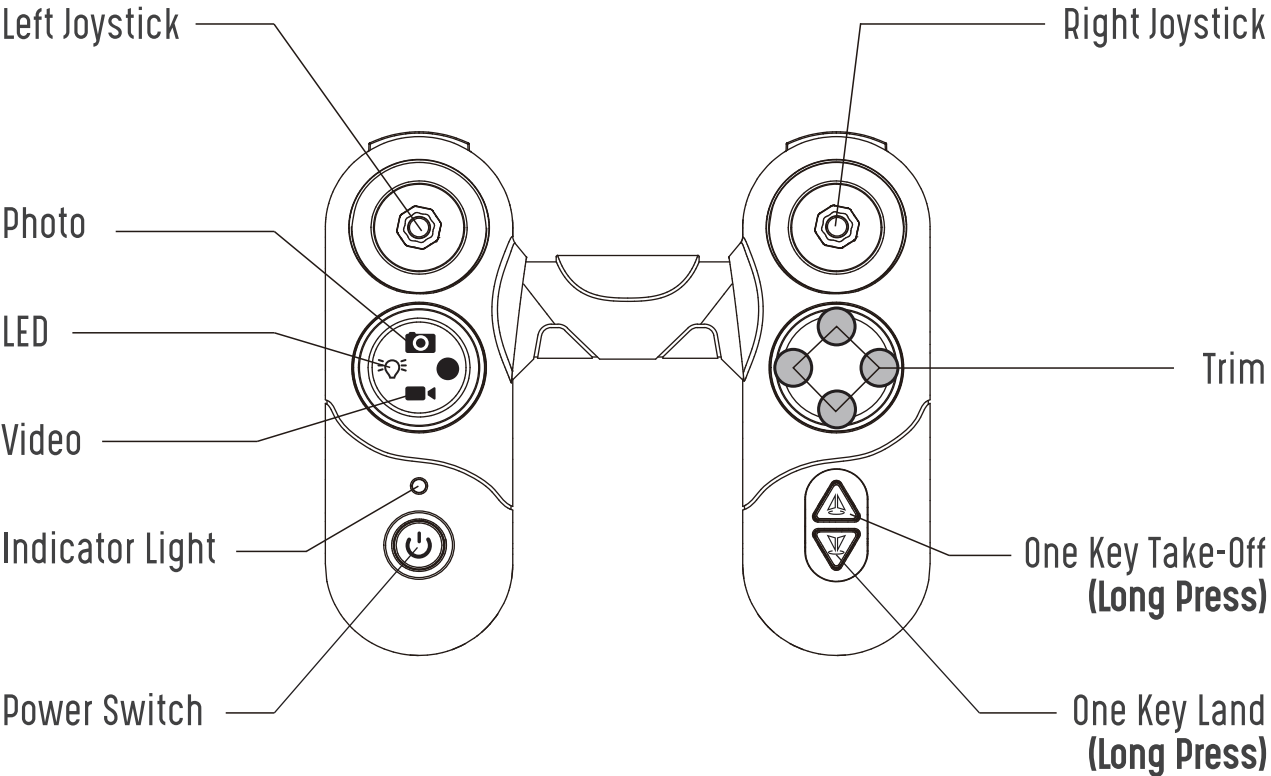
⚠ **It is crucial that all the propellers are installed in the correct position (Pay attention to the letter A or B printed underneath each propeller).**
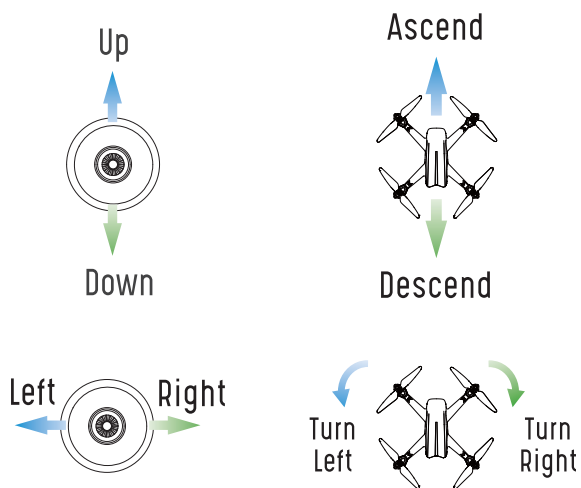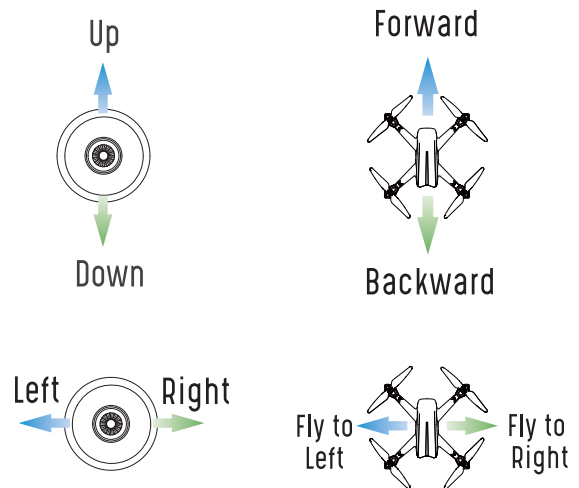
Drone Battery

TF Card Slot

Indicator Light

# 5.0 TRANSMITTER FUNCTIONS

Left Joystick

Right Joystick

Photo

LED

Trim

Video

Indicator Light

One Key Take-Off
**(Long Press)**

Power Switch

One Key Land
**(Long Press)**

Normal Mode
**(Short Press)**
Compass Calibration
**(Long Press)**

GPS Mode
**(Short Press)**
Surround Flight
**(Long Press)**

Normal
mode

GPS
mode

Speed Switch

Auto Return Home
**(Long Press)**

# 6.0 JOYSTICK MODE

## 6.1 MODE 2 (Left-hand throttle MODE 2 is the default setting.)

### Left Joystick

Up

Down

Left    Right

Ascend

Descend

Turn
Left    Turn
Right

### Right Joystick

Up

Down

Left    Right

Forward

Backward

Fly to
Left    Fly to
Right

## 6.2 MODE 1

### Left Joystick

Up

Down

Left    Right

Forward

Backward

Turn
Left    Turn
Right

### Right Joystick

Up

Down

Left    Right

Ascend

Descend

Fly to
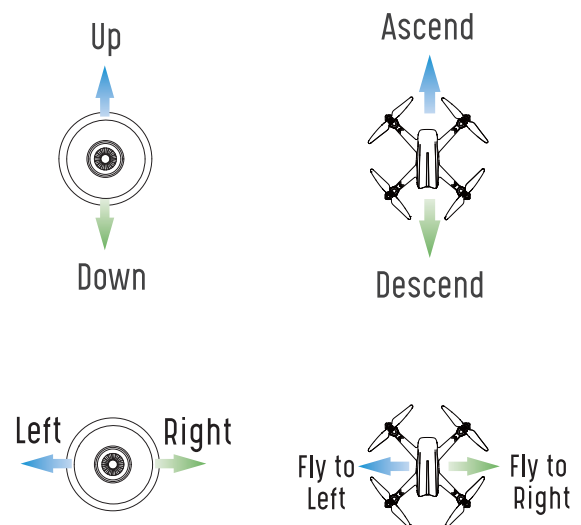Left    Fly to
Right

## 6.3 MODE 1 / MODE 2 Switch Method

This product defaults to mode 2 (left-hand throttle control). Operator can switch the mode 1 or mode 2 according to operating habits.
Once mode 1 or mode 2 is switched, it will be recorded automatically and operator does not need to repeat the switching operation any more.

### Switch Mode 2 To Mode 1:

**Step 1:** Long press the drone power button to turn on the drone.
**Step 2:** Long press the No. 1 button, at the same time press the power button of transmitter (the transmitter indicator light flashes quickly).
**Step 3:** Push the right joystick of the transmitter to the top and hold it for two seconds, then pull this joystick to the bottom and hold it for two seconds. When the indicator light of the transmitter turns green, the switch is successful.
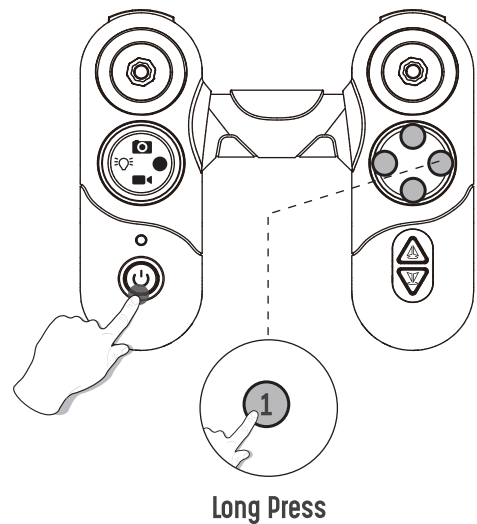
Long Press

### Switch Mode 1 To Mode 2:

**Step 1:** Long press the drone power button to turn on the drone.
**Step 2:** Long press the No. 2 button, at the same time press the power button of transmitter (the transmitter indicator light flashes quickly).
**Step 3:** Push the left joystick of the transmitter to the top and hold it for two seconds, then pull this joystick to the bottom and hold it for two seconds. When the indicator light of the transmitter turns green, the switch is successful.

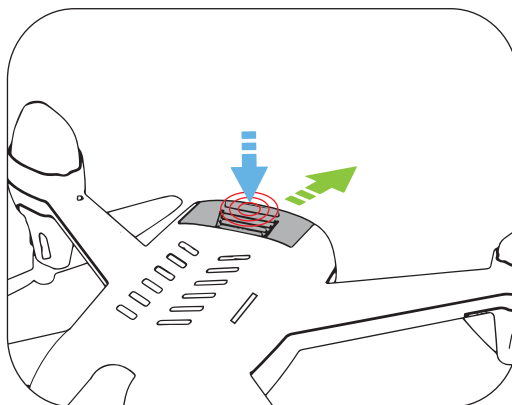Long Press
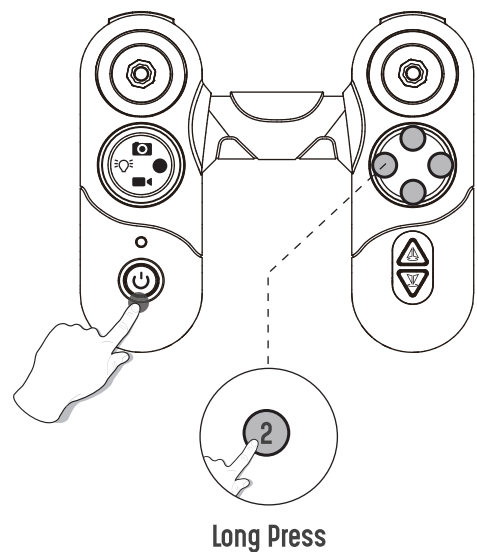
# 7.0 INSTALLATION

## 7.1 Drone Battery
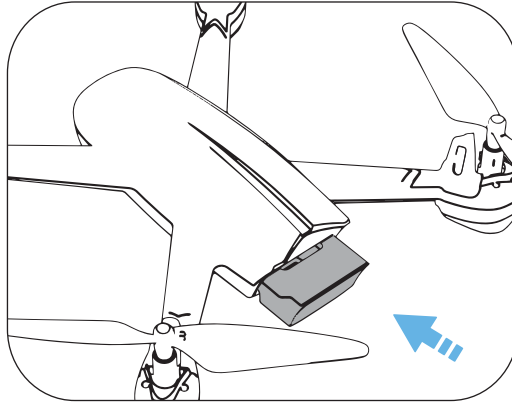


**Installation:** Push the battery correctly into the drone battery compartment. Make sure that you hear a click sound indicating the battery is firmly installed.
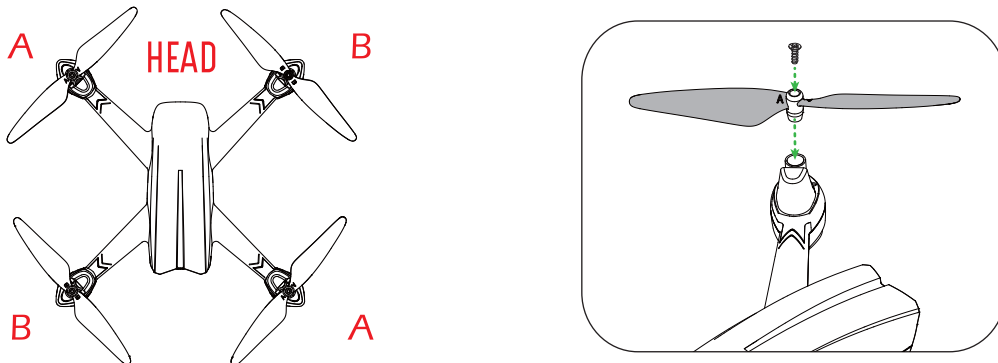
⚠ The battery should be installed firmly, failure to do so may affect the flight safety of your drone.



**Removal:** Press the lock button on the battery and pull it back to remove the battery from the compartment.

## 7.2 Propellers



**Installation:** As shown above, connect each propeller to its corresponding motor shaft, either position "A/B", then lock the propeller to the motor shaft.

**Attention:** Pay attention to the "A" or "B" is printed on each propeller. The drone will not fly unless the correct propeller is installed on the correct motor shaft.
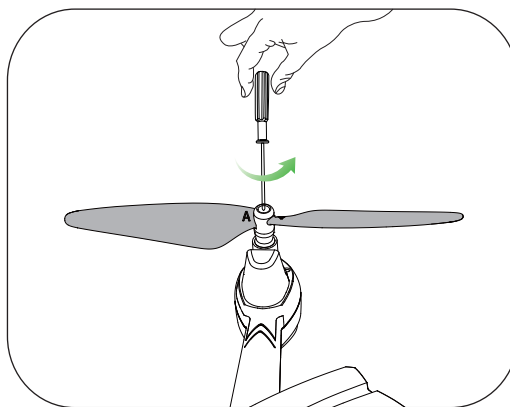


**Removal:** For propeller removal, use a screwdriver (provided) to rotate counter-clockwise and remove propellers. Be sure to hold the motor while detaching the propellers.

## 7.3 TF Card

To store your photos and videos, insert the TF card (not included) into the slot as shown before turning on the drone. The drone supports TF card up to 128 GB.



TF CARD

## 7.4 Transmitter Battery
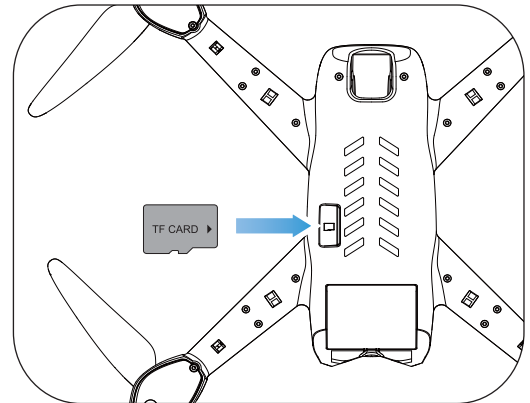


Battery Cover
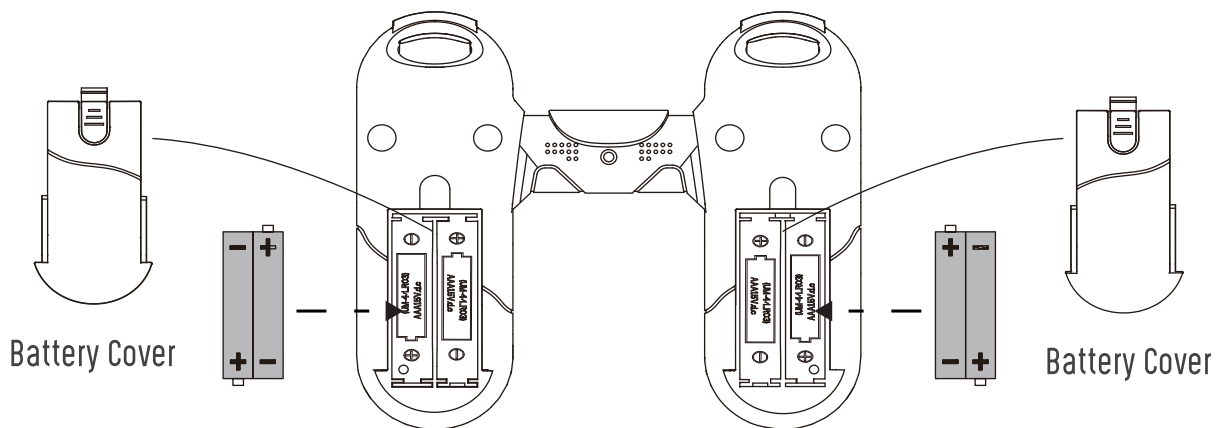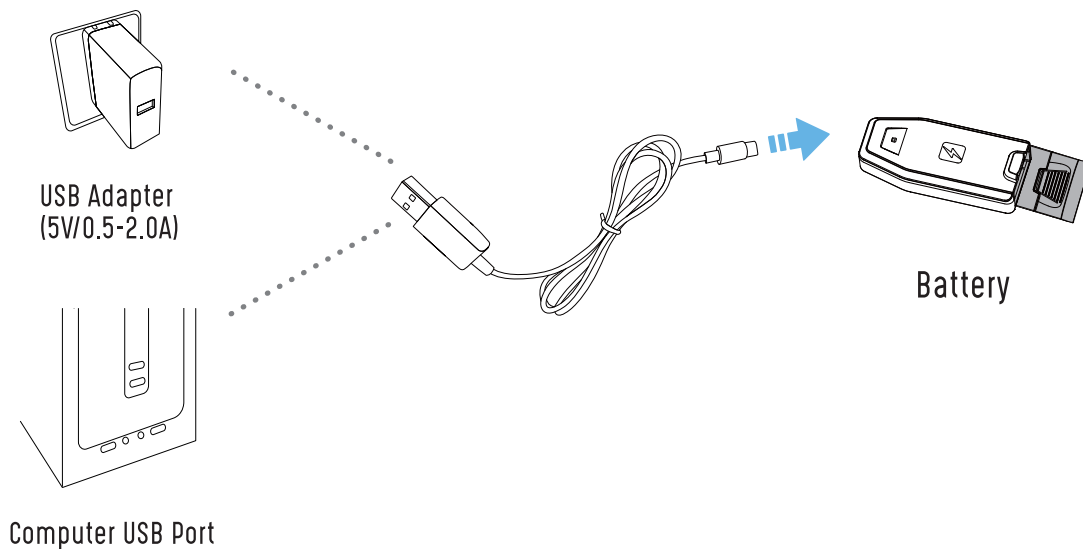
Battery Cover

4 x AAA batteries (not included)

⚠ **Always use alkaline batteries, never mix old and new batteries.**

1. Press and slide the battery cover out, and insert 4 x AAA batteries ( not included ), make sure to insert them following the correct polarity as shown.
2. Re-attach the battery cover.

# 8.0 CHARGING

## 8.1 Drone Battery



USB Adapter
(5V/0.5-2.0A)

Battery

Computer USB Port

1. Remove the battery from the drone & connect the battery to the charging box.
2. Connect the USB charging cable with a power bank or a USB adapter(5V/2.0A) for charging.
3. When the battery is charging, the charging box indicator will flash green.
4. The battery is fully charged when the indicator led on the charging box lights up solid green.

⚠️ **WARNING**    Before charging, please read the instruction of the "2.3 Use of Battery" section of the "Safety Guidelines" carefully!

# 9.0 OPERATION GUIDE

**Attention:** All the operations shown in this manual are demonstrated using MODE 2.

## 9.1 Pairing

(1). Short press the power button to turn on the transmitter. The transmitter beeps twice and transmitter indicator light flashes in red.
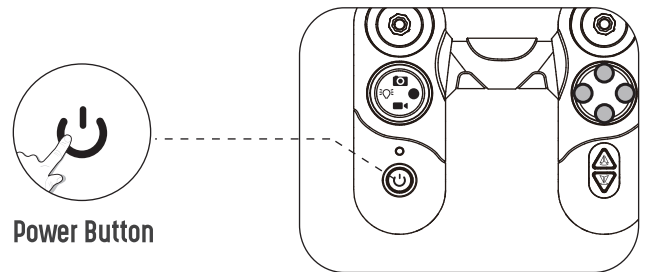
**Power Button**

(2). Place the drone on a flat and level surface with the head forward and the tail facing towards the operator.

**HEAD**
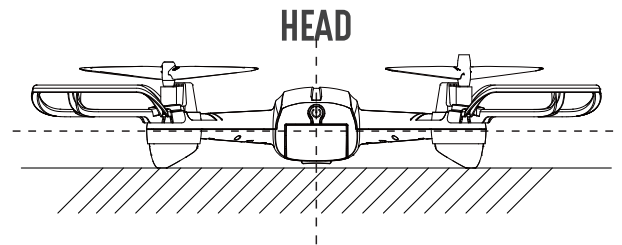
(3). Long press the power button to turn on the drone, when the drone front green lights and rear red lights start flashing, it indicates that the drone is turned on.

**Long Press**
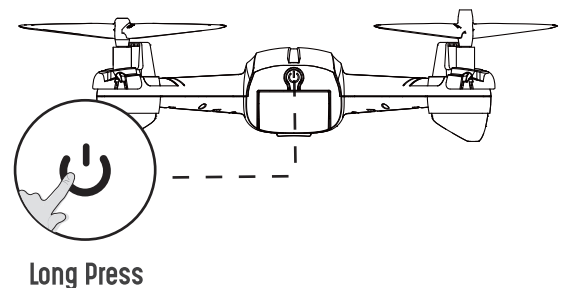
(4). Slowly push the left joystick of the transmitter up to the top and then pull down to the bottom. The transmitter will beep once and power indicator light turns green and flashes slowly. Wait for a few seconds, when the front and rear lights of the drone flash quickly at the same time, the pairing is successful.

Up
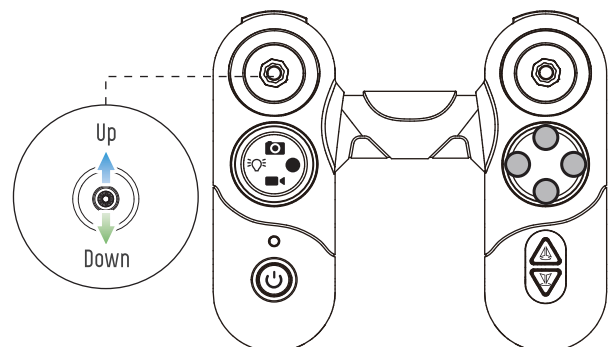
Down

## 9.2 Download APP



**X-Fly**





## 9.3 Connect to the APP

Connect your smartphone to the WiFi network created by the drone.

To check the drone's status in the "X-Fly" APP.

(1). Open your phone's Wi-Fi settings and click Wi-Fi to search for the Wi-Fi of the drone.

(2). Select the Wi-Fi network: Seagull-******.

(3). Wait for a couple of seconds for your phone to connect to the drone's Wi-Fi.

(4). Open the "X-Fly" application.

(5). Choose corresponding drone and click " GO " button to enter the operation interface of the APP.

⚠️ **WARNING**  **If app does not display images after connecting to the drone's WIFI, please turn off the local (3G/4G/5G) network of the smartphone firstly.**

# 9.4 Calibrating the Compass

⚠️ **WARNING** Note: Be sure to calibrate the geomagnetic field at the first time flying this drone outdoor.
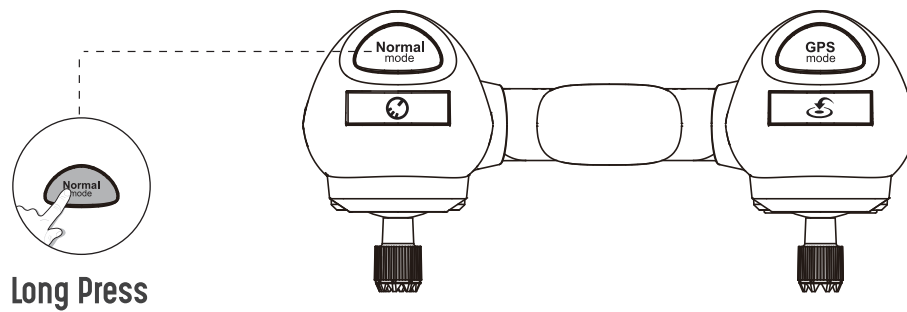
**Long Press**

**Step 1:** Long press the normal mode button on the transmitter until the front green lights of the drone will start flashing quickly, and the rear red lights turn off, indicating that the compass calibration is started.

30cm

Green → Green

Red → Red Light turns off
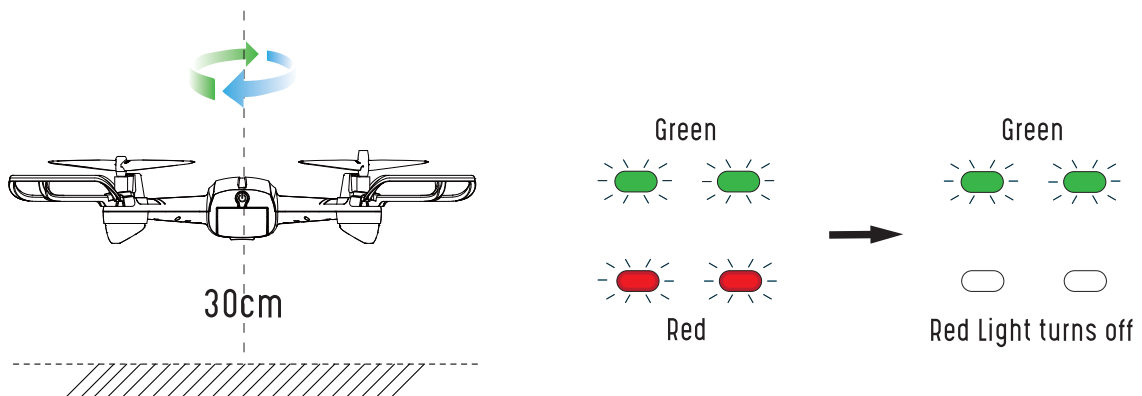
**Step 2:** Pick up the drone and keep it horizontal, then slowly rotate the drone clockwise (about 3-5 rotations) until the front green lights of the drone flash slowly, at the same time, the transmitter will beep once, indicating the horizontal calibration is completed.

**Step 3:** Hold the drone in hand with the nose down, and then slowly rotate the drone clockwise (about 3-5 rotations) until the red lights on the rear of the drone flash slowly and the transmitter beeps twice, indicating the vertical calibration is completed.
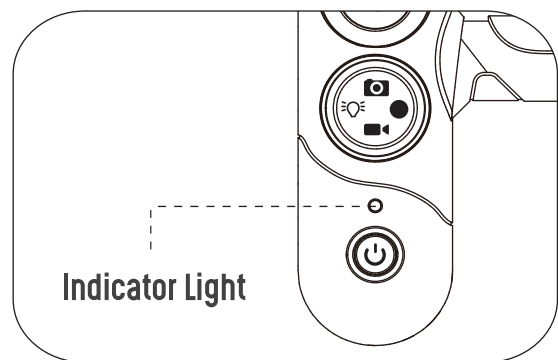
Tail

Red Light turns off          Red

Green          Green

30cm          Head
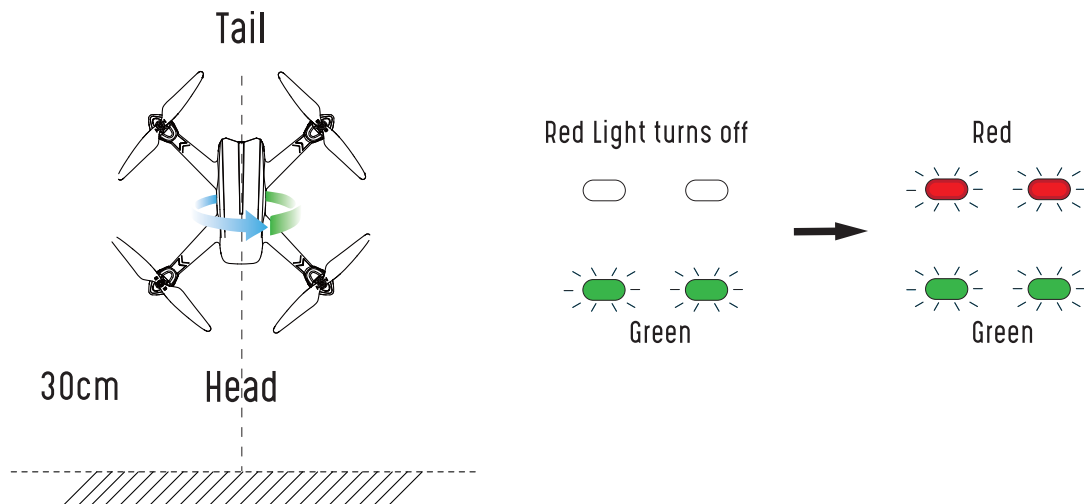
**Step 4:** Place the drone on a level surface horizontally and wait for a few seconds until the green and red lights flash quickly, which indicates that the whole compass calibration is completed.

## 9.5 GPS Searching

GPS
mode

GPS
mode

Indicator Light
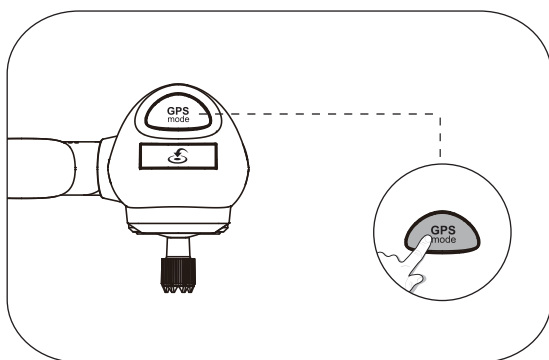
Step 1          Step 2

**Step 1:** Press once the GPS mode button to switch the transmitter to GPS mode, the drone will start searching GPS satellite signals.

Usually, the outdoor satellite searching without interference needs about 3-5 minutes. When the indicator light of the transmitter and the front green lights of the drone both turn solid green, it means that at least 8 satellites have been searched and the drone is ready to fly.

**<span style="color:red">ATTENTION:</span>**

If the indicator lights on the drone keep blinking, it indicates the drone is searching for GPS signals.
If the lights keep blinking after a few minutes, it indicates that the process has FAILED. And repeat all the compass calibration operations until the process is successful. when flying indoor, please press once Normal mode button to switch to normal mode on transmitter, and the indicator lights will blink. You can fly this drone under normal mode when you complete the compass calibration operations.

## 9.6 Calibrating the Gyro

(1). Place the drone on a horizontal surface, pull the left joystick of the transmitter to the bottom, at the same time move the right joystick of the transmitter to the left and to the right quickly back and force until the transmitter beeps twice, release the joysticks (don't move the drone during this process).
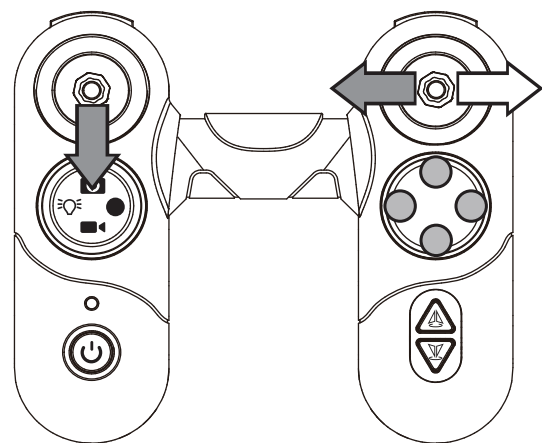
(2). Wait for about 10 seconds, the indicator lights on the rear of the drone will flash red quickly, it indicates the calibration is completed.

## 9.7 Starting/Stopping the Motors
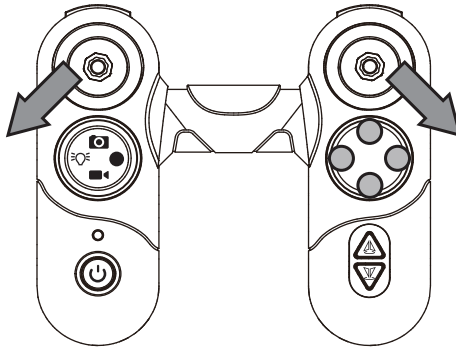


(1). Starting the Motors: As shown above, pull both joysticks to the bottom outer corners to start the motors. Once the motors have started spinning, release both joysticks simultaneously.

(2). Stopping the Motors: Repeat this operation, the motors will stop immediately. Release both joysticks once motors stop.
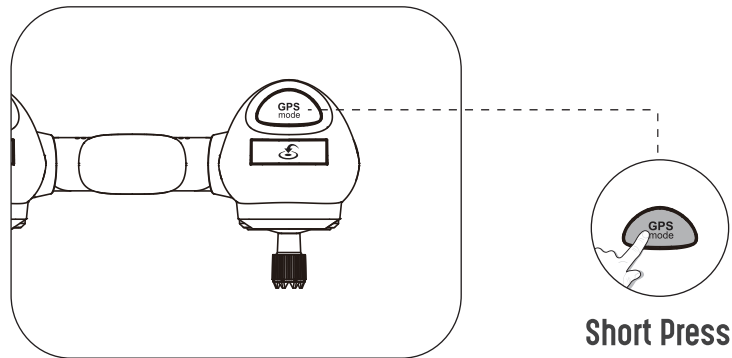
## 9.8 Taking-Off / Landing Method



One Key Take-Off                                                          One Key Land
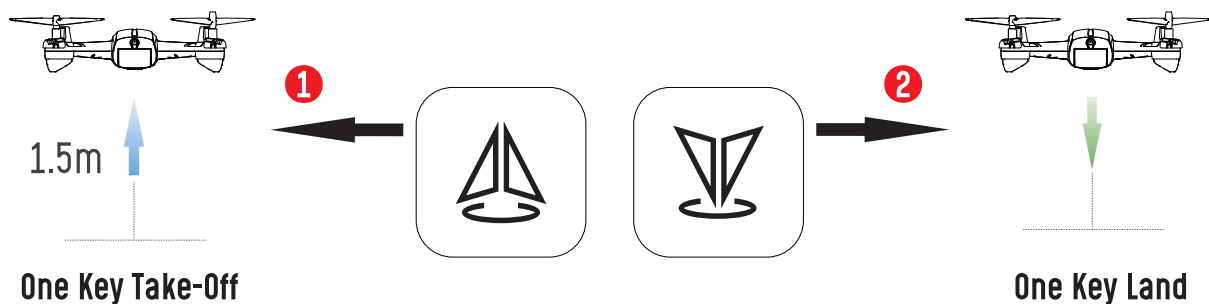
1. Long press the one key take-off button " ", the drone will automatically take off and hover at an altitude about 1.5 meters.

2. Long press the one key land button " ", the drone will land slowly until landing.

# 10.0 FUNCTION DETAILS
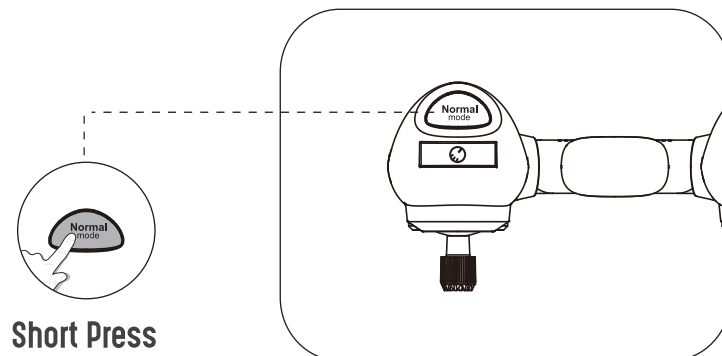
## 10.1 GPS Mode / Normal Mode Flight

### (1) GPS Mode Flight



**Short Press**

Press once GPS mode button and switch to GPS mode on transmitter (as shown in the figure).

**Tip:** If the GPS signal is weak or flying indoor, please make sure switch to normal mode before the drone can take off.
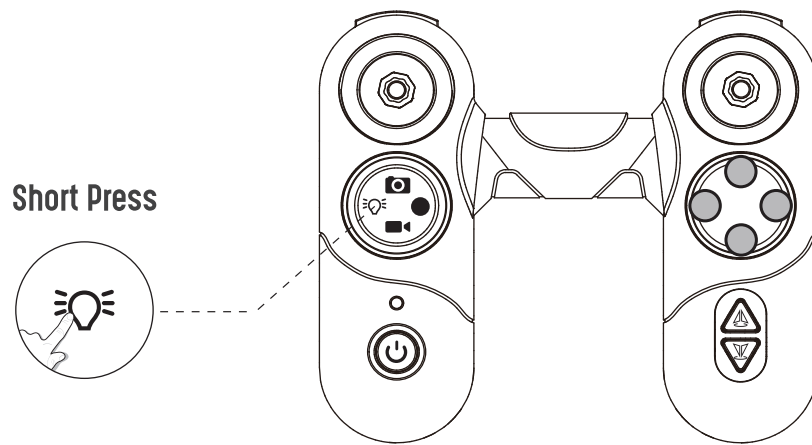
### (2) Normal Mode Flight (Non-GPS)



**Short Press**

Press once Normal mode button and switch to normal mode on transmitter (as shown in the figure).

⚠️ **WARNING** DO NOT switch between normal mode and GPS mode during flight. Such operation will lead to flight anomalies of the drone, failure of GPS positioning, deviation of reverse flight and other serious faults.

## 10.2 LED Control

Short Press

**Short Press:** Short press the LED button to turn on/off the LED lights of drone.

---

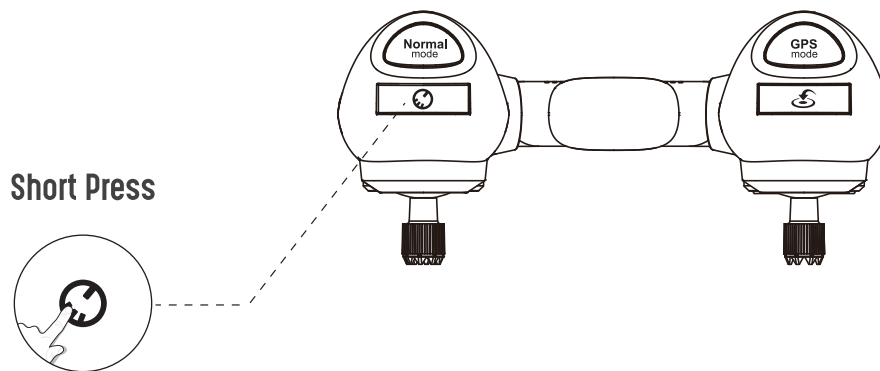## 10.3 Taking Photo / Video Recording

Taking Photo
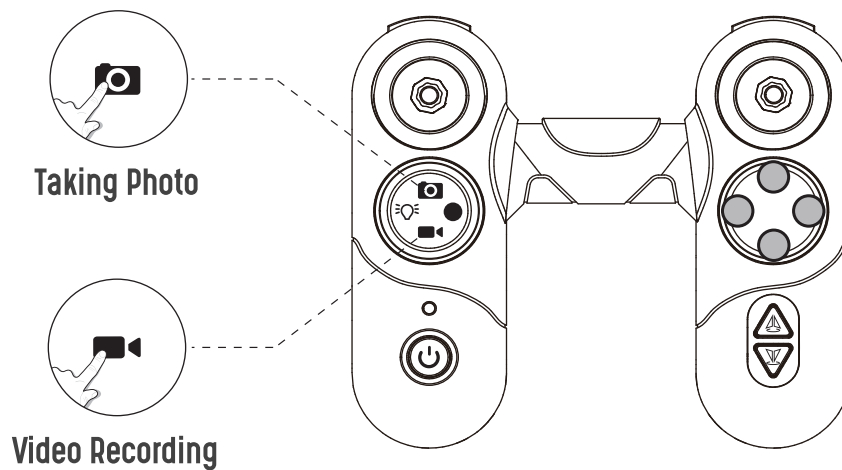
Video Recording

**Taking Photo:** Press once to take a picture.

**Video Recording:** Press once to start recording video, press again to stop recording.
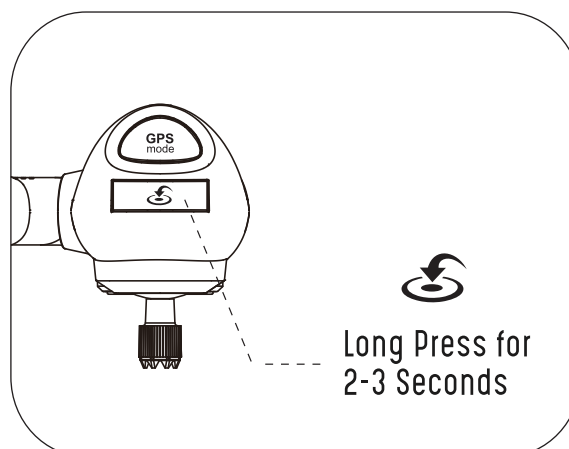
## 10.4 Speed Switch



**Short Press**

Press the speed switch button to switch high or low speed mode freely.

## 10.5 Return to Home (RTH)

The return to home(RTH) brings the drone back to the last recorded home point. This function can only be achieved in GPS mode. There are three types of RTH:

**Smart RTH / Failsafe RTH / Low Voltage RTH.**



**Long Press for 2-3 Seconds**

## (1) Smart Return to Home (Smart RTH)

If the GPS signal is available, long press the return to home button for 2-3 seconds to start the Smart RTH, and the transmitter will send out a beep. Your drone will return to the home point.
Make sure there are no buildings or other in the flight path. Long press the RTH button again to exit RTH procedure and regain control of the drone.

## (2) Failsafe RTH

If the GPS signal is available, and the home point is recorded previously.
Failsafe Return will be triggered if the transmitter signal is lost for more than 6 seconds. The drone will automatically start the return procedure and it will fly back to the last recorded home point. When the transmitter signal is recovered, you can regain control of the drone.

## (3) Low Voltage RTH

When the drone is low-powered, the transmitter will alarm. In GPS mode, the drone will return automatically to a point within 20 meters of the take-off point.
The drone can fly for about 5 minutes after the first low voltage alarm.

# 11.0 APP OPERATION INSTRUCTION

## 11.1 GPS Mode Flight
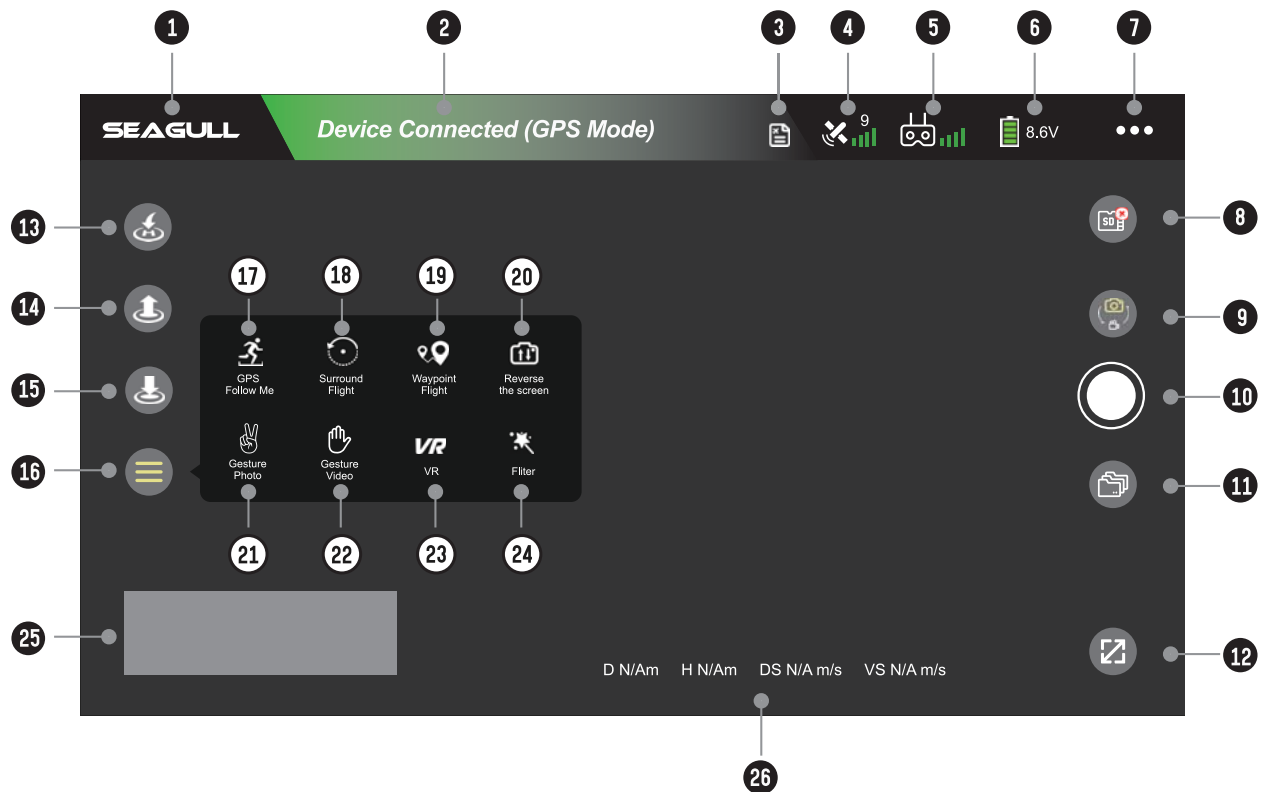


1. Homepage ( **SEAGULL** ): Tap this icon to return to the main menu.

2. Device Status ( *Device Connected (GPS Mode)* ): This icon indicates drone flight status.

3. Flight Record ( ▤ ): Tap this icon to scan the flight record data.

4. GPS Signal Strength ( ⚒ ): This icon indicates the current GPS signal strength. Green bars indicate adequate GPS strength.

5. Transmitter Signal ( 🖥 ): This icon indicates the current transmitter signal strength.

6. Drone Battery Level ( 🔋 ): Real-time display the current remaining battery level of the drone.

7. Setting ( ••• ): Tap the icon to enter the setting interface, settings for flight distance and altitude, etc. The Beginner Mode is turned off by default, the operator can turn on Beginner Mode by changing the setting.

8. Memory Card ( SD ): This icon indicates the status of memory card and remaining capacity.

9. Photo/Video Switch Button ( ): Tap to switch between photo taking and video recording modes.

10. Take Photo/Record Viedo ( ◯ / ● ): Tap to start taking photos or recording videos.

11. Gallery ( ): Tap to preview photos and videos as soon as they are captured.

12. Zoom Trigger ( ): You can scroll up and down to control the zoom in and zoom out.

13. Return to Home ( ):The drone will return to the recorded take-off point.

14. One Key Takeoff ( ): Tap this icon once, and the drone will take off automatically at an altitude about 1.5m.

15. One Key Landing ( ): Tap this icon once, The drone will slowly land on the ground.

16. Multifunction ( ☰ ): Open the menu and allow the operator to select different flight modes or gesture activities.

17. Follow Me Mode ( ): The drone stays at a distance from the operator and following the GPS position of the phone.

18. Surround Flight ( ): The drone will orbit clockwise around  the operator, with a radius of 10 meters, and a speed of 3 meters per second.
Essential Conditions: The flight altitude is above 5 meters, GPS signal is no less than 8 satellites.

19. Waypoint Flight ( ): The drone will fly along the flight path drawn on screen.
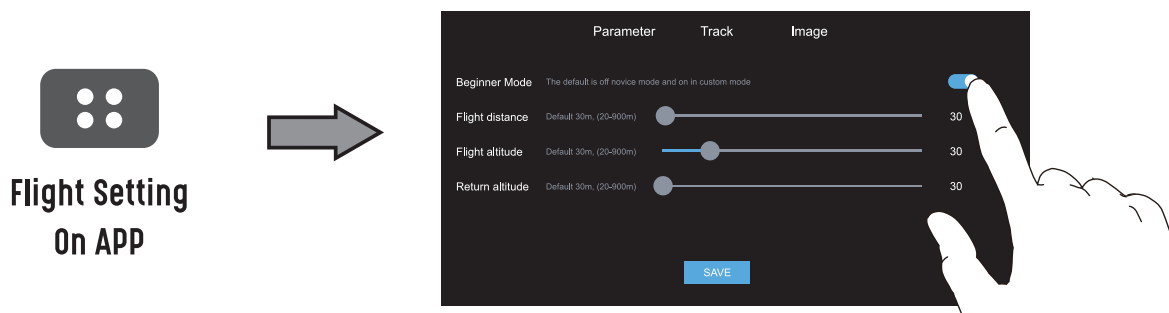
20. Reverse the Screen ( [icon] ): Rotate the screen 180 degrees.

21. Gesture Photo: ( [icon] ): Perform the Victory gesture within 3m of the drone while facing toward the camera and it will take a selfie.

22. Gesture Video: ( [icon] ): Perform the High Five gesture within 3m of the drone while facing toward the camera to start recording the video. Perform the same gesture again to stop.

23. 3D VR ( [VR] ): Match with VR glasses (not included) to watch 3D images in real-time.

24. Camera Filter ( [icon] ): Tap this button to add photo effects.

25. Map: Tap the Mini Map to switch between Camera View and Map View.

26. Flight Parameters:
Distance: Horizontal distance from the take-off point.
Height: Vertical distance from the take-off point.
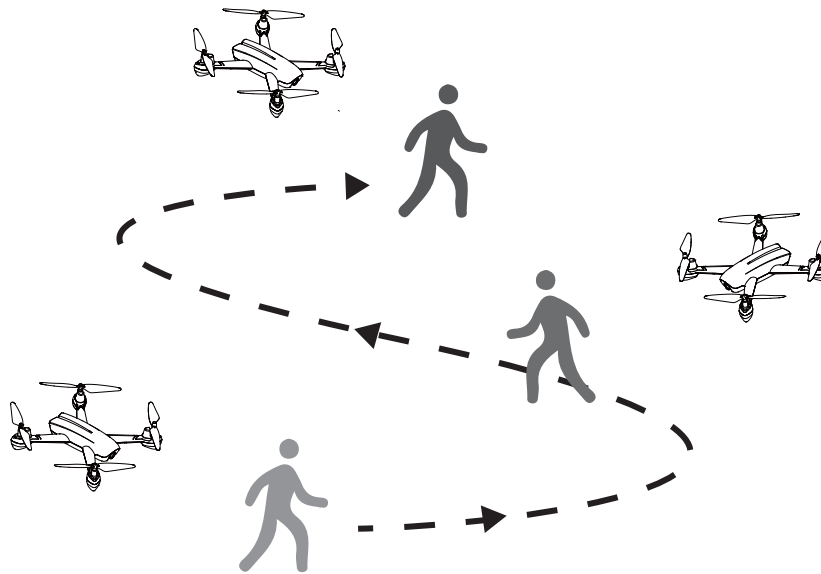
## 11.2 Beginner Mode

The Beginner Mode is turned off by default, the operator can turn on Beginner Mode by changing the setting.
Under Beginner Mode:
1. Flight distance is limited between 0~30m.
2. Flight altitude is limited between 0~30m.
3. The default RTH altitude is 20m.



Flight Setting
On APP

Parameter    Track    Image

Beginner Mode    The default is off novice mode and on in custom mode

Flight distance    Default 30m, (20-900m)                     30

Flight altitude    Default 30m, (20-900m)                     30

Return altitude    Default 30m, (20-900m)                     30

SAVE

## 11.3 Follow Me



When the Follow Me function is enabled, the drone will follow the GPS in your phone to follow you wherever you go.

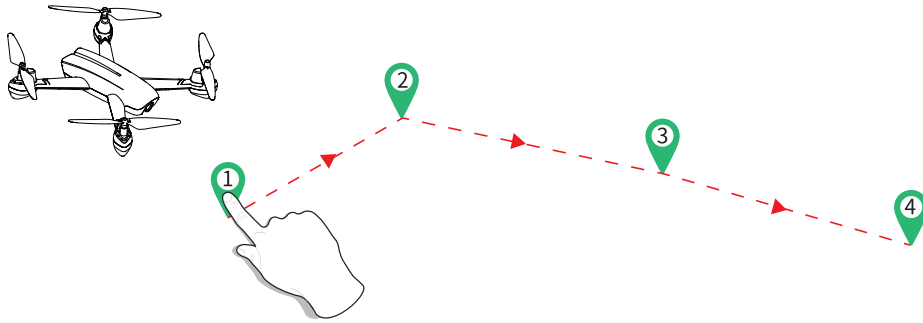1. Click the " [≡] " icon first, then click the " [🏃] " and " [GO] " icons to enter the Follow Me function, the drone will now follow the phone's coordinates.
2. To exit Follow Me mode, simply click the " [⊗] " icon on the app interface.

## Common Issues:

1. Follow Me mode may be difficult to activate if the phone's GPS signal is too weak. This could be due to the signal loss from surrounding buildings, trees, or congestion from too many mobile phones in the area.
2. Use in an open area and be mindful of your surroundings. The drone is NOT equipped with obstacle avoidance.

## 11.4 Waypoint Flight

It is recommended to enlarge the map if you want to use Waypoint Flight.



1. Click the "  " icon on the app interface, then click the "  " icon.
2. Set points ( 15 points at most) on the screen to create a path.
   Click the"  " icon to submit the route. The drone will now fly along the path according to the points connected on the map.
3. To exist waypoint flight, simply click the "  " icon on the app interface.



· DO NOT fly the drone towards people, animals, or small/fine objects (e.g. tree branches and power lines) or transparent objects (e.g. glass or water).
· There may be some deviation between the expected and actual flight path.

## 11.5 Surround Flight
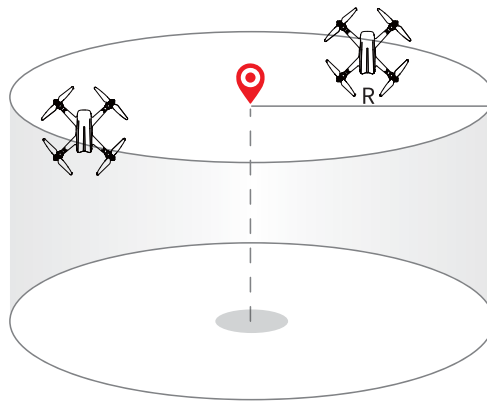


1. Click the " ☰ " icon first, then click the " ⊙ " icon, and set a point of interest and click " GO " icon.
2. The drone will record it's flight position the moment you enter this function as the point of interest. It will now continuously orbit around the preset point.
3. To exist surround flight, simply click the " ⊗ " icon on the app interface.

## 11.6 Take Photo/Record Video

1. Click the " [icon] " icon to switch between photo taking and video recording modes.
2. Click the " [icon] " icon to take photo, click once to take a photo.
3. Click the " [icon] " icon to record video, click once to start recording, and click again to stop recording.
4. Click the " [icon] " icon to enter the gallery for viewing.
5. Without the TF card installed, the photos and videos will be saved in the app albums.
6. After installing the TF card, the photos and videos will be saved in both the app album and the TF card.

# 12.0 TROUBLE SHOOTING

| Problems | Possible Causes | Solutions |
|---|---|---|
| Uncontrollable/ Not work | 1. Unsuccessful pairing. Transmitter is not synced to the drone.<br>2. Insufficient battery power. | 1. Re-pair according to the instructions.<br>2. Use fully charged or new batteries and perform pairing again. |
| Vibrates/sways badly | The propellers are deformed. | Replace with new propellers. |
| Always drifts to one side and out of balance | 1. The propellers are deformed.<br>2. There is a motor damaged.<br>3. The drone is not leveled during pairing. | 1. Replace with new propellers.<br>2. Replace with new motor.<br>3. Put the drone on a level surface and re-pair. |
| GPS return is not accurate | 1. The compass is not calibrated.<br>2. Satellites searched are less than 14. | 1. Recalibrate the compass.<br>2. Wait until the satellites searched reach 14 before flying. |
| Automatically turn left or right when hovering | The compass is interfered. | Recalibrate the compass. |

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