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SwellPro
www.swellpro.com

Disclaimer and warning

This product is not a toy, and should only be operated by persons over the age of 18. Please keep it out of reach of children, and pay particular attention to the possible scenarios of children's unexpected appearance during flight operation.

Be sure to read this document carefully before using the product, to fully understand your legal rights, responsibilities and safety instructions. Failure to do so, may cause property damage, safety accidents and personal safety risks. Once this product is used, it is deemed that you have understood, recognized and have accepted all the terms and conditions of this statement. The user is responsible for all the consequences of his actions and consequences. The user agrees to use the product for his sole & legal purpose, and agrees with the terms & conditions of this agreement, and other relevant policies & guidelines that may be specified by SwellPro.

Under the maximum permission by law and approved circumstances, SwellPro is exempt of liability for any indirect, punitive, consequential, special or criminal damages, including the purchase cost, or for loss of income due to the loss of use of the drone.

SwellPro is exempt from the user's liabilities for damage(s) to person/s or property, or injuries incurred directly or indirectly from the use of this product in the following conditions:

- Damage(s) or injuries incurred when users are under the influence of alcohol, drugs.
- Any malfunction caused by operators' failure to follow the guidance of the manual to assemble and set up, or operate the drone as described, and designed.
- Damage(s) or injuries that may occur due to failure to study the tutorial videos, and the user manual before flying the drone.

- Damage(s) or injuries caused to person/s or property, due to failure in correctly calibrating the UAV as outlined in the manual, prior to flight.
- Damage(s) or injuries incurred as a result of the use or installation of any unauthorized third party accessories or counterfeit parts - which were not provided and approved of by SwellPro.
- Damage(s) or injuries as a result of flying the drone out of eyesight range, or more than 300m away from the controller.
- Damage(s) or injuries caused by flying the drone in areas of magnetic fields & radio interference.
- Damage(s) or injuries caused by flying a NO-FLY ZONE that is regulated by local laws & rules.
- Damage(s) or injuries including crashes, loss of control or water ingress caused by abusing or modifying the original drone structure,
- Damage(s) or injuries caused by using broken & ageing components.
- Damage(s) or injuries caused by continuing to fly the drone even if the low battery alarm is activated.
- Damage(s) or injuries caused by failure to wash the components with fresh water after flying over or near the sea & corrosive waters.
- Damage(s) or injuries that have occurred when the drone has been subjected to the following conditions or situations: collision, fire, explosion, floods, tsunamis, ice, snow, avalanche, flooding, landslide, earthquake, etc.
- Damage(s) or injuries incurred by intentionally dropping or crashing the splash drone into the water from a high altitude, especially water ingress into the drone fuselage and Gimbal malfunction.
- Damage(s) or injuries incurred by intentionally dropping or crashing the Splash drone to the ground from a high altitude, especially water leakage into the drone fuselage and Gimbal frame as a result of this collision.
- Other Damage(s) or injuries that are not SwellPro's liability.

Flight Safety

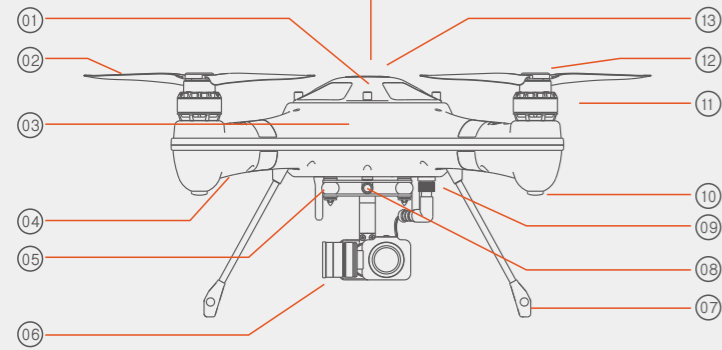
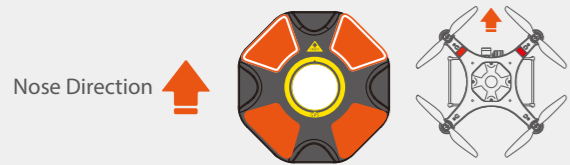
- Please make sure you have a comprehensive understanding of the Splash drone, and all the necessary measures required to implement a successful return home function, in the event of an emergency.
- Please be well prepared before each flight, avoid any violent or excessive operations.
- Please maintain strict compliance with the local laws, any flying in NO-FLY ZONES is prohibited.
- Any illegal & improper use or operation of this product is highly prohibited.
- Any invasion & violation against another person/s right of privacy is not allowed. Before using this product, it remains the duty of the drone pilot to comply with the local laws regarding privacy protection.
- Any invasion or flying over another person/s property is not allowed, please agree with any person/s regarding any potential breach of privacy before the proposed flight.
- Any flights in or around the strong magnetic fields are highly prohibited, these influential factors include wireless electricity emission towers, High-voltage transmission lines, transformer substations, radar and other magnetic sources or metal objects.
- DO NOT fly the Splash drone under the influence of alcohol, drugs or any other physical or mental impediment.
- Please don't fly the drone with a malfunctioning radio controller - Please fly the drone away from crowds.

Splash Drone

Quick Guide

Splash Drone

Note: When opening the top cover, be careful of the GPS cable, When closing the top cover, please make sure to place the hatch in such a way that the arrow faces the front of the drone.

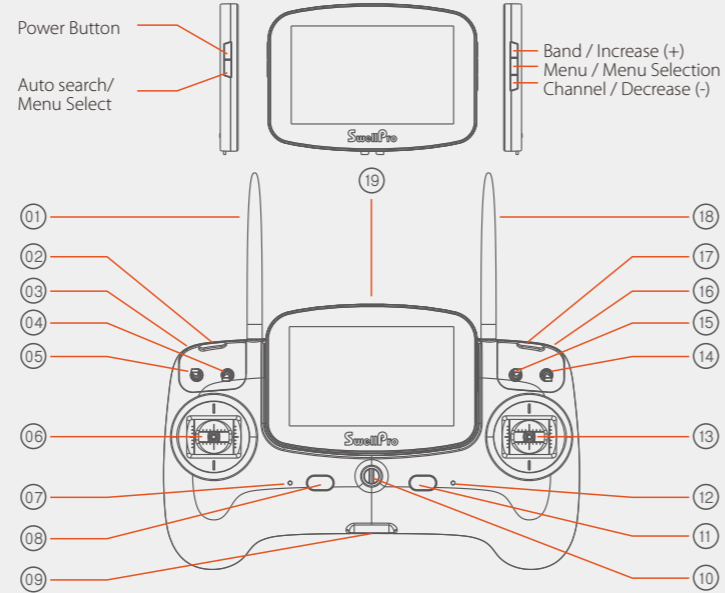


- | | |
|---|---------------------------------|
| 1. Cover/hatch screw | 7. Landing gear |
| 2. Quick release carbon fiber propeller | 8. Gimbal quick release screw |
| 3. Nose direction | 9. Waterproof cable plug/socket |
| 4. Flight indication lights (Front – 2 Red, Rear – 2 Green) | 10. Rubber foot |
| 5. Gimbal damping ball | 11. Waterproof brushless motor |
| 6. Waterproof gimbal and camera | 12. Propeller Spinner |
| | 13. GPS top cover/hatch |

Splash Drone

Quick Guide

Remote Controller



- | | | |
|--------------------------|-------------------------|------------------------------------|
| 1. Remote Antenna | 8. Left power button | 15. Flight mode switch |
| 2. Left pairing button | 9. USB Port | 16. Gimbal tilt control thumbwheel |
| 3. Gimbal pan control | 10. Hanger ring | 17. Right pairing button |
| 4. Camera switch | 11. Right power button | 18. Video antenna |
| 5. Airdrop switch | 12. Power status lights | 19. FPV Screen |
| 6. Left Joystick | 13. Right Joystick | |
| 7. Working Status lights | 14. Return-Home switch | |

Splash Drone

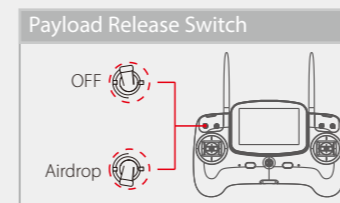
Quick Guide

1. Remote Controller

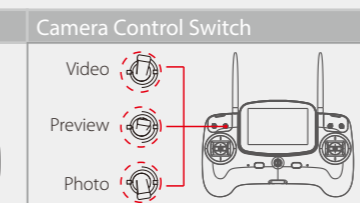
1.1 Remote Controller Operation

Open the battery compartment, connect the power cord, insert the battery properly.

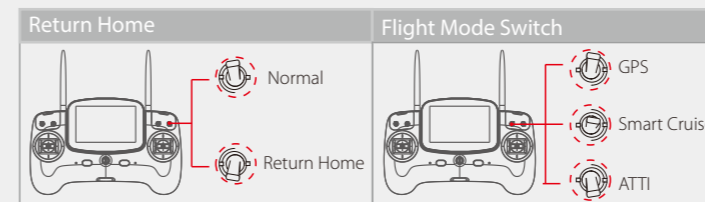
1.1.1 Payload Release Switch



1.1.2 Camera Control Switch



1.1.3 Flight Mode Switch



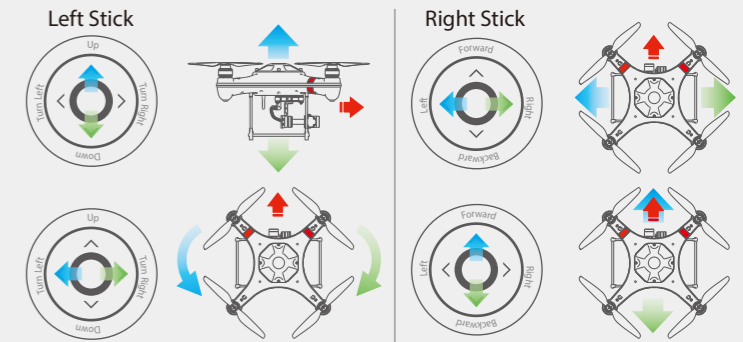
Note: During the return process, only the (right) steering stick can be controlled. When the drone returns to the point of departure, and commences its descent, the left joystick will only control the direction (Heading) of the drone, the right joystick controls the forward/back and sideways functions, in order to select and land at the chosen landing point. If you need to take control of the drone, you need to switch the Return Home switch to Normal position.

1.1.4 Flight Control

1. The Left joystick controls the drone ascent and descent (up and down movement) and the nose direction (left and right movement)
2. The right joystick controls the forward / backward movement of the drone, and the left / right flight movement of the drone

Splash Drone

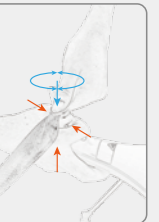
Quick Guide



2. Propeller

2.2.1 Propeller Installation / Removal

Hold the rotor of motor tight while supporting the arm upwards with the other hand, take the corresponding propeller to install. Press the propeller spinner hard and rotate to fasten it properly. It's available to remove the propeller in the opposite way.



Propeller	CCW Propeller	CW Propeller
Picture		
Propeller Installation	Install on the motor with CCW mark	Install on the motor with CW mark
Propeller Direction		

⚠ Do not get too close to the rotating propellers and motors, to avoid cuts or injury.

3. Preparation Before Flying

3.1 Calibration

3.1.1 Accelerometer Calibration

Calibration is necessary in any of the following cases:

1. First time use of the drone.
2. Following sustained flight in ATTI mode.
3. If, when pushing up the THROTTLE joystick, without moving the right (AIRLERON) joystick, and the drone drifts at an angle, while in ATTI mode.
4. If the drone has been subjected to heavy shaking during transportation.
5. If, following a successful compass calibration, the motors do unlock, but the red LED stays on solid when trying to start up the motors.

Accelerometer Calibration Steps:

1. Place the drone on a horizontal surface, power on the controller, followed by the drone, after hearing a "DI" tone, switch to "Return-Home" mode on the controller.
2. Place the left joystick into the right lower corner(45°) position, and the right joystick into the upper right corner(45°) position.
3. Maintain the above gesture for 2 seconds, until the light changes to a fast flashing red (blinking). The drone then enters into its accelerometer calibration process. Wait until the light stops blinking, and goes to a slow red flash, now release the joysticks. The accelerometer calibration is now complete.



3.1.2 Compass Calibration

Please Note: It is recommended to calibrate the compass at the proposed

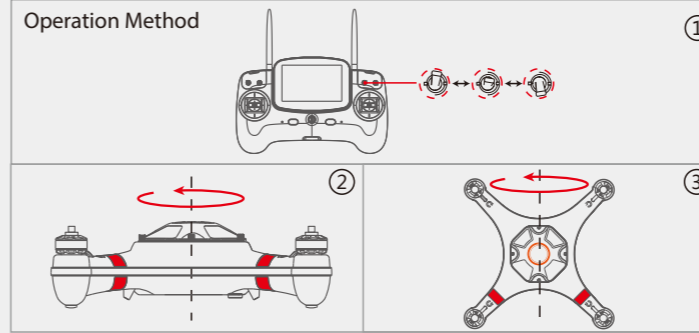
flying area before flying. Flying anywhere close to any magnetic interference is HIGHLY DISCOURAGED. (Please make sure to keep far away from the following: High-Voltage transmission power lines, Emitting base stations, metal objects, etc.)

Calibration is necessary in below cases:

1. Before flying drone for the first time.
2. If 100KM or more away from the last compass calibration location.
3. The drone has been crashed/dropped by accident.
4. The drone keeps swaying / drifting during flight.
5. If the drone has incurred or was subjected to a heavy shaking during transportation.
6. If the RED light stays on, and the motors can't be unlocked.

Accelerometer Calibration	LED
1. Place the drone onto a horizontal surface, power on the controller, and then power on the drone. After the "DI" sound, fast flick the mode switch from GPS-Smart Cruise-ATTI and ATTI-Smart Cruise-GPS, when the yellow light is on, the system enters into compass calibration.	
2. Hold the drone horizontally, rotate counter clockwise until the green LED light turns on.	
3. Swing the drone to a vertical plane, with the nose pointing downward, rotate the drone counter clockwise until the LED changes to a blinking red-green-yellow, indicating the completion of the calibration. If the calibration procedure failed, the RED light will be on for 3 seconds, you will need to redo the calibration. (It may be necessary to do a six-sided calibration if the two-sided calibration will not successfully calibrate, for more information, please refer to the manual.)	

Operation Method



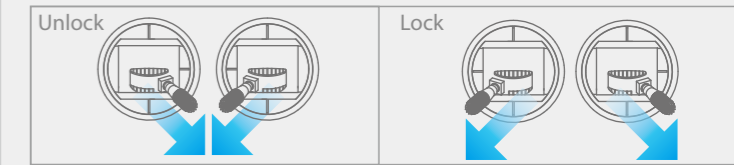
4. Take Off

1. Place the drone in an open area at least 3 meters away from you, or others.
2. Put the Return Home mode switch in the Normal position, and the flight mode switch into either GPS or ATTI mode, and then power on the remote control.
3. Make sure that each part of the drone is connected properly. And the propellers are installed correctly
When the drone is powered on, the drone will do a self-check, and when complete, it will issue a "DI" sound.
Note: While the drone is completing its self-check, please keep the drone stationary.
4. If ATTI mode is selected, there is no need to wait, you can unlock the motors and proceed to takeoff and fly immediately, however, in GPS mode, it is necessary to wait until the number of satellites is a minimum of 9, before attempting to unlock the motors.

Starting / Stopping the Motors

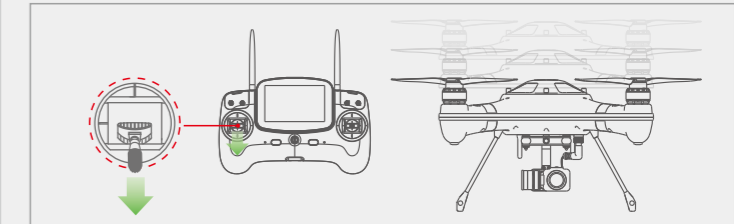
Unlocking: Pull both the left and right joysticks simultaneously towards the inner side of the lower side, at an angle of 45 degrees, and maintain this

position for 3 seconds, the motors will now be unlocked, and will start rotating. To lock the motors: Pull both the left and the right joysticks outwards to the lower sides at an angle of 45 degrees to stop, and lock the motors.



5. Landing

1. Pull the throttle stick to lowest position until the drone land on the ground, wait 2-3 seconds, the motor will be locked.
2. Power off the drone, and then power off the controller.

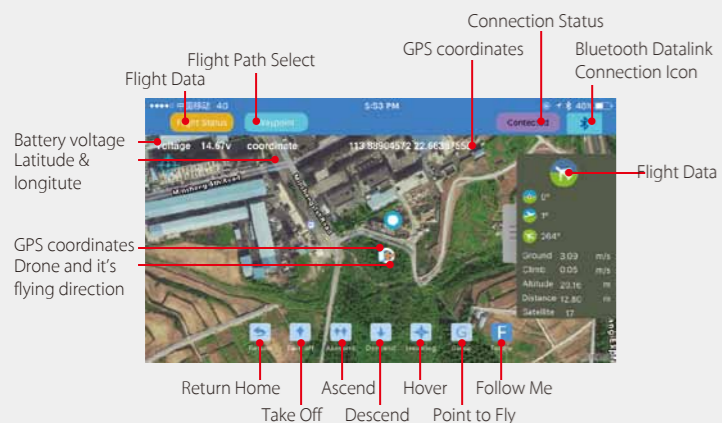


6. APP CONTROL

6.1 How to use

1. Download Swellpro Fly App into your iPhone. Or download the APK from www.swellpro.com for your Android phone.

2. Power on the Bluetooth datalink module, switch on the GPS and Bluetooth on your smartphone. Find the corresponding Bluetooth Link (e.g: UAV-2...) and link it (Note: when the bluetooth is linked, the blue light on the Bluetooth datalink module will stop blinking).
3. Run the "Swellpro Fly" APP, click the Bluetooth icon to link the device (UAV.). When it links, you will see the drone parameters on the screen, e.g battery voltage, GPS coordinates, height, distance, GPS signal etc.



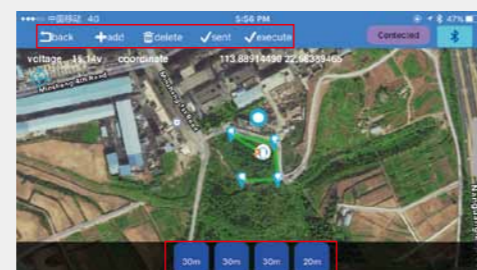
4. Once you have a minimum of 9 GPS satellites, you can unlock the drone and start flying with controller, or use the APP to unlock the motors and start flying.



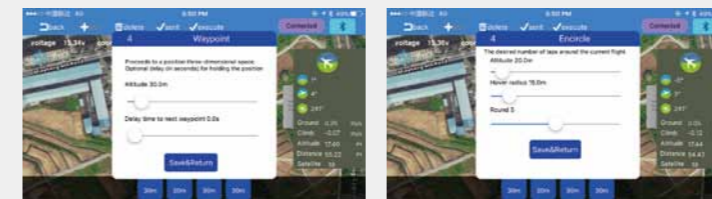
5. The APP allows you to start flying the drone, land, ascend, hover, return home, flight path setting, follow me and point to fly.

6. Flight path setting:

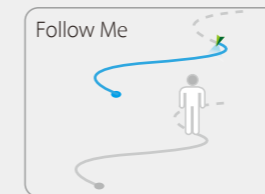
- a). click "+", click the map to set the flight point, you will see all the selected flight points on the bottom of the screen. You can delete them.



- b). Click below the flight point, you can choose the height, hovering time and other options. Save and click "Run", the drone will start flying according to the set path.



7. **Follow Me:** The target (to be followed) should carry the Bluetooth Datalink and the (connected) smart phone, the drone recognizes the GPS coordinates of the smartphone. Press the "Follow Me" button, the drone will then start following.



8. **Point-to-Fly:** Click the "Point-to-Fly" button, and then click the target point on the map, the drone will start flying to the point and hover there.



Note:

1. The APP control needs to have a good wireless communication environment, if you see the drone does not respond to your order, it might be subjected to interference, please try again.
2. If the drone continually fails to respond to your APP commands, please use the controller to operate the drone. Just switch the flight mode switch for one single operation; the controller will take over the control of the drone.
3. The Bluetooth data link module is paired with the corresponding module onboard the drone. Normally, it won't link to other drones. When you see many drones or Bluetooth datalink units working in the same place, please make sure you link to the right drone.

For the full manual, please get it at: www.swellpro.com.