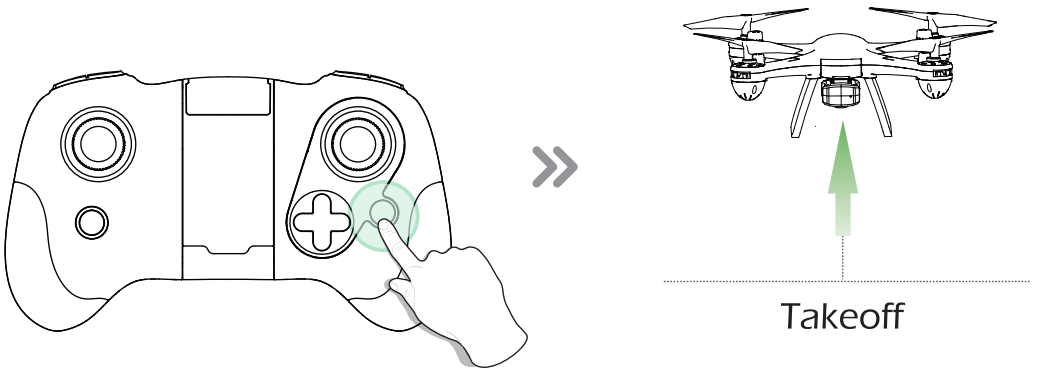
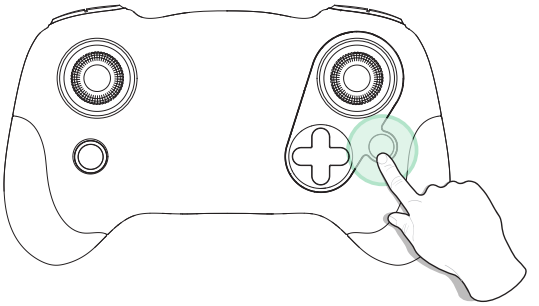
FLIGHT

TAKEOFF



Short press the (⬍) button once , the drone will automatically take off and hover at 4 ft. At this time, you can control this drone by using the joysticks.

LANDING

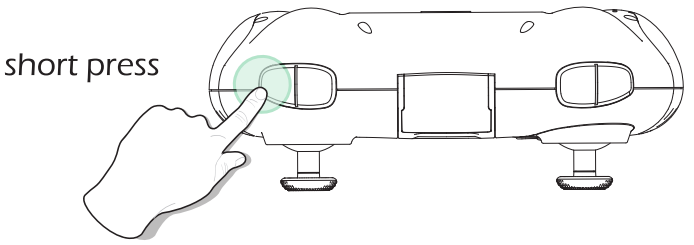


When the drone is flying, short press the (⬍) button, and the drone will automatically land on the ground.

You must keep your drone in visual line of sight all the time. If you can't see it, you can't control it.

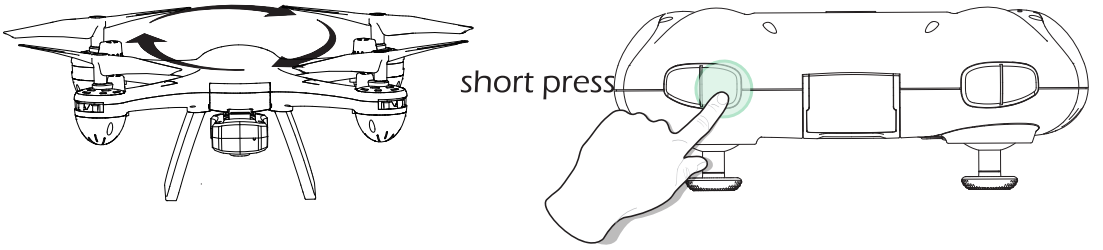
FUNCTIONS DETAILS

SPEED SWITCH



This drone comes with 3 speed modes (Low/Medium/High). Short press the ( ) button to switch between low, medium, and high speed. The transmitter beeps once to indicate Low Speed, beeps twice to indicate Medium Speed and beeps three times to indicate High Speed. (The Low Speed is the default speed mode.)

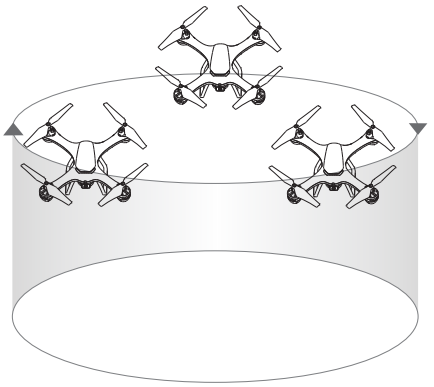
HIGH SPEED ROTATION

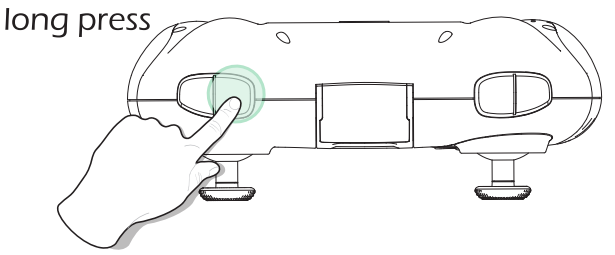


Short press the ( ) button, the transmitter will beep once, the drone begins to rotate quickly. Push the right joystick in any direction to stop the rotation.

FUNCTIONS DETAILS

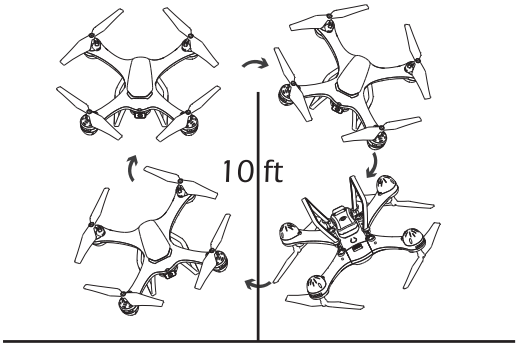
CIRCLE FLY

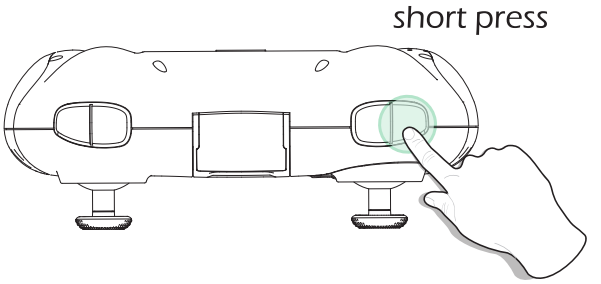




Long press the ( ) button, the transmitter will make a long beep, which indicates that the drone has entered the Circle Fly function. Push the right joystick in any direction to exit Circle Fly.

360° FLIP





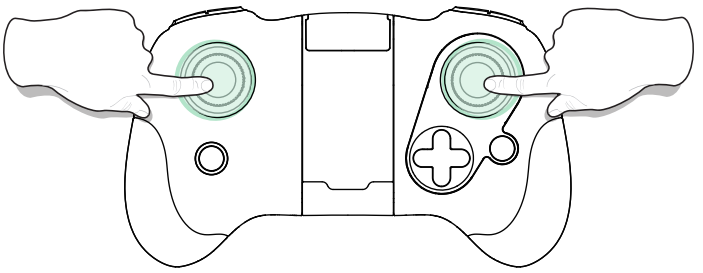
When you get familiar with all the functions of the drone, you can try this amazing flip mode. When the drone is at least 10ft from the ground. Short press the (360) button, then push the right joystick forward/backward or leftward/rightward. The drone will do a flip toward the corresponding direction.

360°Flip functions better when the battery is fully charged.

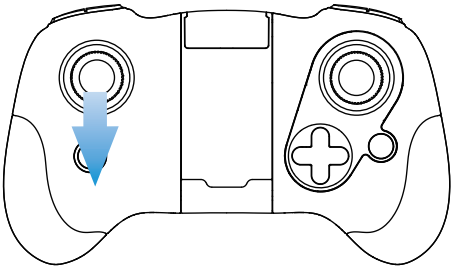
FUNCTIONS DETAILS

EMERGENCY STOP

⚠ The Emergency Stop function should only be used in case of emergency during the flight to avoid any damage or injury.



① Simultaneously long press the left and right joysticks, the motors will stop immediately. Be aware that you risk breakage of the drone if it falls a large distance or hits anything at a high rate of speed.

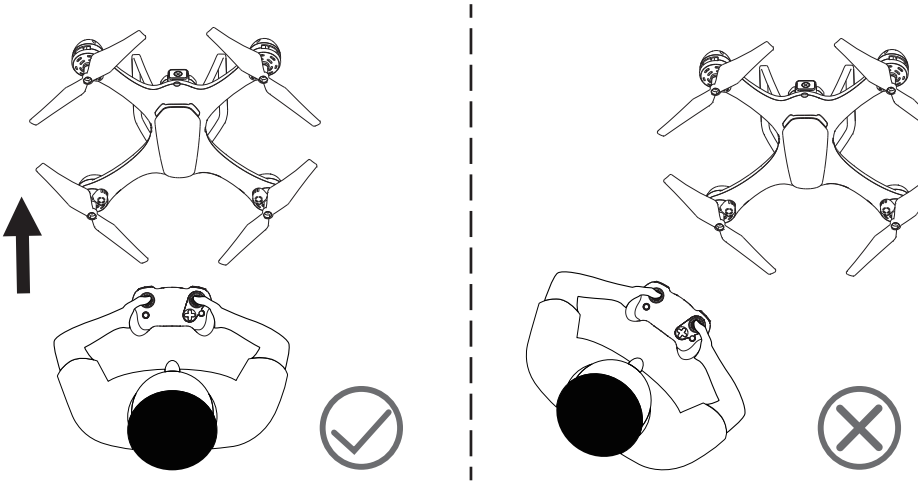


② After the drone hits the ground, The drone indicator will keep on flashing. Please put the drone on a level surface again, and push the left joystick downward. The drone indicator then turn from flashing to solid, which indicates that you can use the drone now.

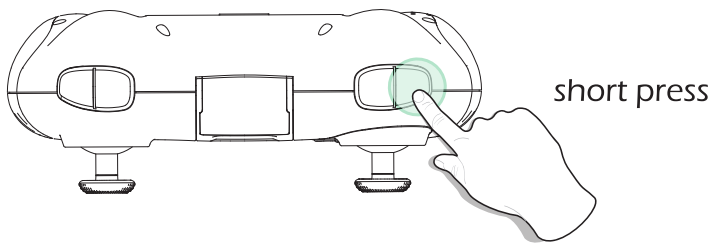
FUNCTIONS DETAILS

HEADLESS MODE

The Headless Mode is a great training tool for beginner pilots. It is also useful when the drone is too far from the pilot (which makes it difficult to tell its orientation). It keeps the drone traveling forward, backward, left, or right when you move the right joystick in those directions, regardless of which way the front of the head of the drone points to.



The pilot should stay facing the same direction that the drone's head points to when it takes off.

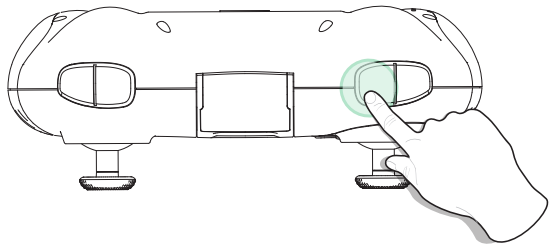


Entering: Long press the ( ) on the transmitter. The drone Indicator keeps flashing, indicating that the drone is in Headless Mode.

Exiting: Long press the ( ) on the transmitter again. It then beeps 1 time, indicating that the drone has exited the Headless Mode.

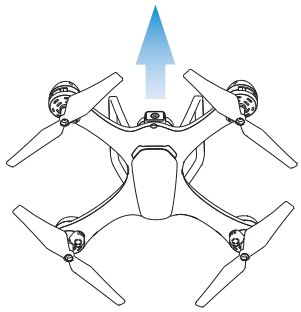
ATTITUDE ADJUSTMENT

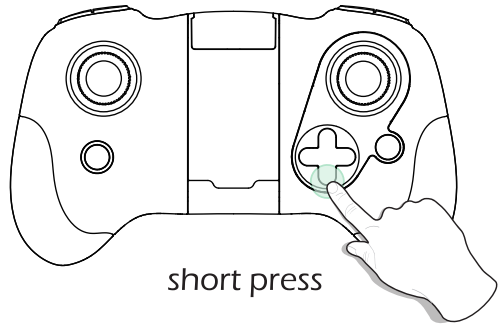
PHOTOGRAPHY FUNCTION



As shown in the picture, press this button briefly, and the drone enters the photo - taking mode. Press and hold this button, and the drone enters the video - recording mode. Press and hold this button again to exit the video - recording mode.

TRIMMER





The Forward Trim

If the drone tends to drift forward:

1. Press the (▼) button one time.

2. Wait 2 seconds to watch the drone's movement. If it still drifts, press the button again.

3. Depending on how the drone drifts, it may take several presses to balance the drone.

4. Repeat STEP 1 & 2 until the drone drifts forward no more.

** You can also fix the Backward/Sideward Trim using a similar method, i.e., pressing the trim button whose direction is opposite to the direction the drift.*

Trim adjustments are designed to counter drifts not caused by airflow.

SPECIFICATIONS

DRONE

Model: JY013

Weight: 95g

Max Flight Time: 13 minutes (per battery)

Motor Model: 716

Operating Temperature Range: 14° to 104°F (-10° to 40°C)

Size: 320*320*80mm

DRONE BATTERY

Capacity: 1000mAh

Voltage: 3.7V

Battery Type: Lithium-ion Polymer Battery

Charging Temperature Range: 41° to 104°F (5° to 40°C)

Charging Time: 90 minutes (depends on charging power and remaining battery power)

TRANSMITTER

Operating Frequency: 2420-2460 MHz

Flight Distance: 328 ft/100m (outdoors and unobstructed)

Operating Temperature Range: 14° to 104°F (-10° to 40°C)

Battery Type: 3*1.5V AAA Battery (Not included)

USB CHARGING CABLE

Input: 5V/1A

Rated Power: ≤5 W

GENERAL INFORMATION

BATTERY WARNING:

1. Failure to follow all the instructions may result in serious injury, irreparable damage to the battery may cause a fire, smoke or explosion as well.

2. Always check the battery's condition before charging or using it.

3. Please replace the battery if the battery is dropped or has any peculiar smell, overheating, discoloration, deformation or leakage happens.

4. Never use anything other than the approved LiPo charger to charge the battery. Always use a balancing charger for LiPo cells or a LiPo cell balancer. It is recommended that you use the one provided with the product.

5. The battery temperature must never exceed 60°C(140°F) otherwise the battery could be damaged or ignited.

6. Never charge the battery on a flammable surface, near flammable products or inside a vehicle (preferably place the battery on a non-flammable and non-conductive surface).

7. Never leave the battery unattended during the charging process. Never disassemble or modify the housing's wiring, or puncture the cells. Always ensure that the charger output voltage corresponds to the voltage of the battery. DO NOT short circuit the batteries.

8. Never expose the Li-Po battery to moisture or direct sunlight, or store it in a place where temperatures could exceed 60°C(car in the sun, for example).

9. Always keep it out of reach of children.

10. Improper battery use may result in a fire, explosion or other hazards.

11. Non-rechargeable batteries are not allowed to be recharged. Rechargeable batteries should be charged under adults' supervision.

12. DO NOT mix different types of batteries including the new and used ones.

JY013 DRONE APPLICATION INSTALLATION MANUAL

Please scan the QR code below and download JY013 DRONE from the App Store
(You can also search for "JY013 DRONE " in the app store for download)

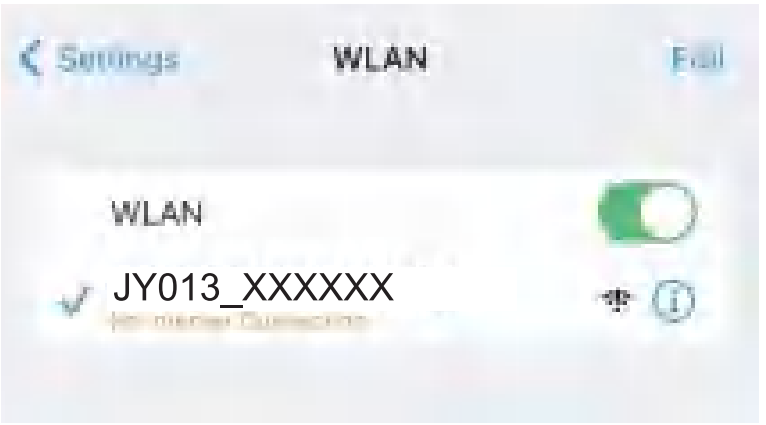
IOS(App Store)
/Android(Google Play)

CONNECT DRONE AND APP

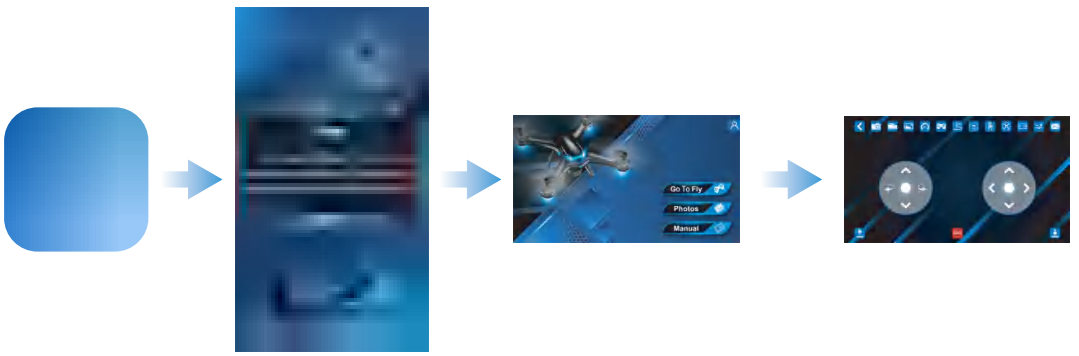
In the process of using the app,you will encounter some app permission dialog boxes.Please allow the app to use these permissions,otherwise some functions of the app will not work properly.

1.Open "JY013 DRONE",When you use this app for the first time,you will encounter a login registration
page.Please disconnect the phone from the drone and use the data network or WiFi to log in,then exit the app interface;

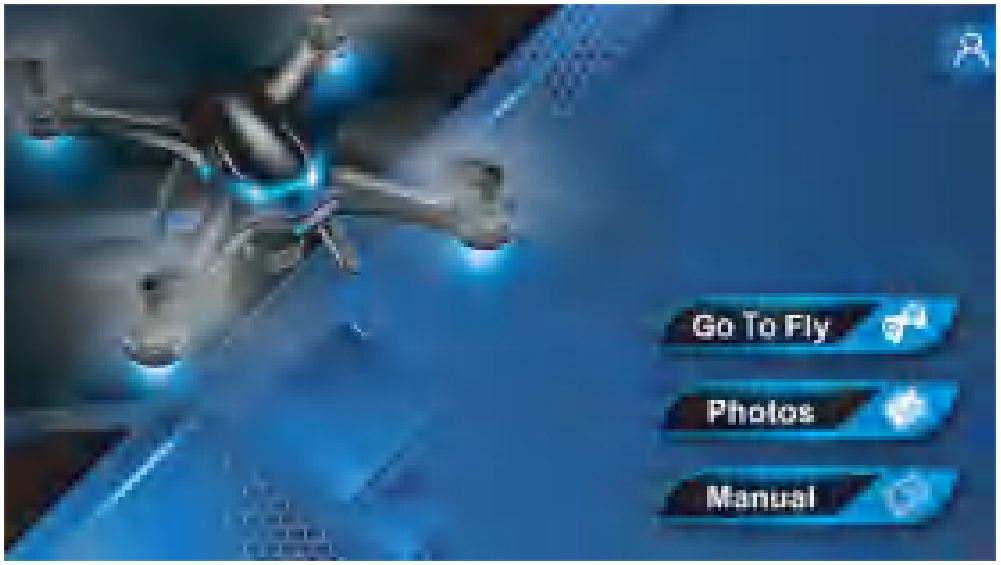
2. Power on the drone;
3. Click the "Settings"menu on the phone to enter the WiFi settings page and turn on the WiFi switch;
4. Find the specified WiFi name"JY013_XXXXXX"in the WiFi list,click connect button,wait for the connection to succeed,and then exit the "Settings" interface.The WiFi may display "No Internet Connection", which is normal and you don't need to worry about it,just proceed to the next step as usual;
(**Tips:** When using this app for the first time please ignore other WiFi networks and then connect to the JY013 drone's WiFi)



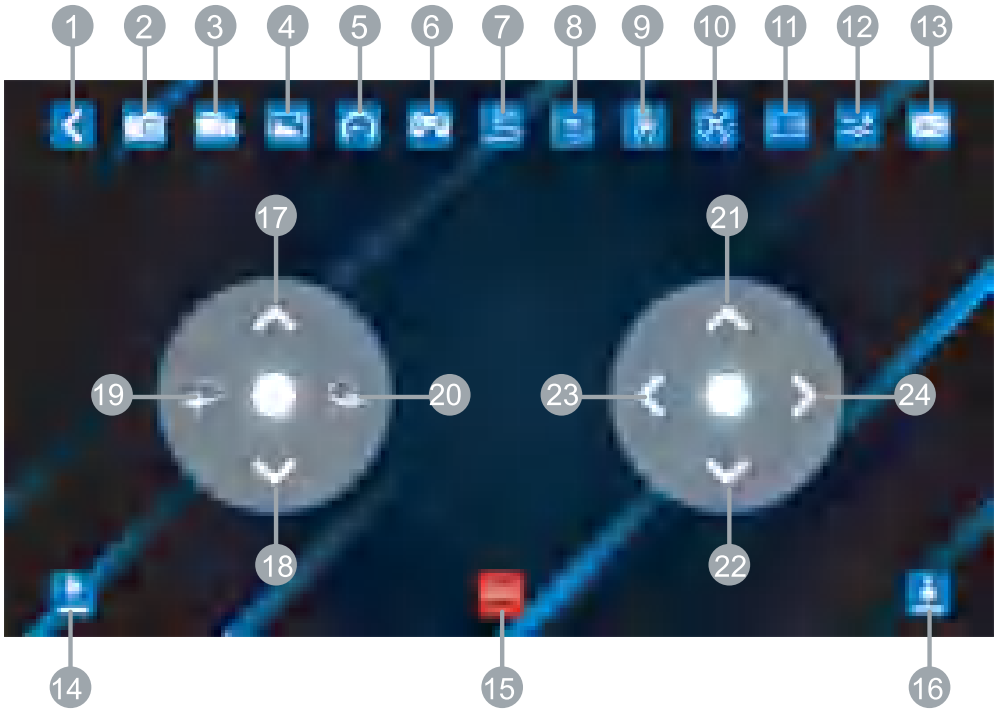
5. Open "JY013 DRONE",enter the interface shown in the figure,click the screen to enter the control interface,and then you can see the video transmitted by the drone camera.



MAIN INTERFACE FUNCTION



CONTROL INTERFACE FUNCTION



1. return
2. camera
3. video
4. photo album
5. speed switch
6. control switch
7. trajectory flight
8. 360° Flip
9. gesture photography / video recording
10. headless mode
11. gravity sensing
12. gyroscope calibration
13. support
13. support
14. takeoff
15. emergency stop
16. landing
17. Take off
18. Land
19. L Turn
20. R Turn
21. Forward
22. Backward
23. L FLY
24. R FLY

Note: When the remote controller and the mobile app are connected to the drone at the same time, the remote controller has greater control, which may cause some function buttons of the app to not work properly. At this time, turning off the remote controller and connecting the mobile app to the drone alone can solve this problem.

FUNCTION

Trajectory Flight

1.Turn on the "Control Switch",click the "Trajectory Flight"button,and the interface shown in Figure 1 wil pop up.Draw the route trajectory on this interface,and the drone will fly according to the route.

2.After the dialog box depicts the trajectory,the drone will fly according to the displayed trajectory. Note:The "Trajectory Flight" function can only be used normally when the drone is hovering.

Figure 1

Gravity Sensing Mode Operation Guide

1. Function Overview

Gravity Sensing Mode is an intuitive flight control feature that allows you to pilot the drone by tilting your smartphone. The drone will dynamically adjust its movement direction based on the real-time orientation of your device, creating a seamless and immersive flying experience.

2. Key Features

Tilt-to-Fly Technology:
The drone responds to your smartphone's tilt angles (forward/backward /left/right) for directional control.

3. Activation Steps

Enable Gravity Mode:
Open the app → Tap Gravity Sensing Mode.
Start Flying:
Hold the phone horizontally.
Slowly tilt the device in your desired direction.

Gesture Photography/Video Recording

Yeah Gesture Photography
Make a "  "gesture at about 2m in front of the drone camera. After successful recognition,the camera starts counting down and automatically takes pictures after 3 seconds

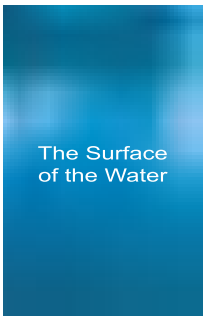
Palm Gesture Video Recording
Make a "  "gesture about 2m in front of the drone camera. After successful recognition,the camera starts counting down and automatic recording begins after 3s.Make the "  "gesture again to end the video recording (the time interval between each recognition should be greater than 3s).

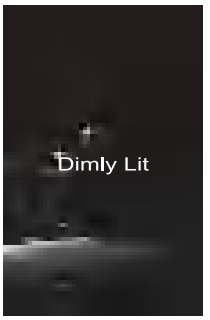
Suggestions:

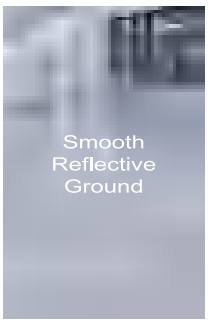
In order to improve the recognition rate of the camera,please try to point the object directly at the lens and
try to fly in a well-lit environment.When the WiFi signal is weak or the signal is interfered with,the recognition rate of the camera will also below.

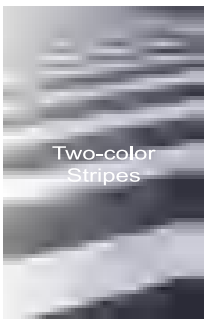
WARNING

1.When the drone is in the following environment,the fixed hover effect is poor.









2.In places with dense WiFi signals,the smoothness of video transmission is prone to interference.

Exception handling of No Video Transmission on app

1.Check whether WLAN and cellular mobility are enabled in the APP settings.
2.Confirm that the WiFi name connected to the phone is"JY013_XXXXXX".
3.Restart the application and reenter

Reconnect failed

Reconnect WiFi,and make sure you forget other networks.

Application Crash

Please contact us or update the application

FCC Warning

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 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.