

MINI DRONE



WI-FI

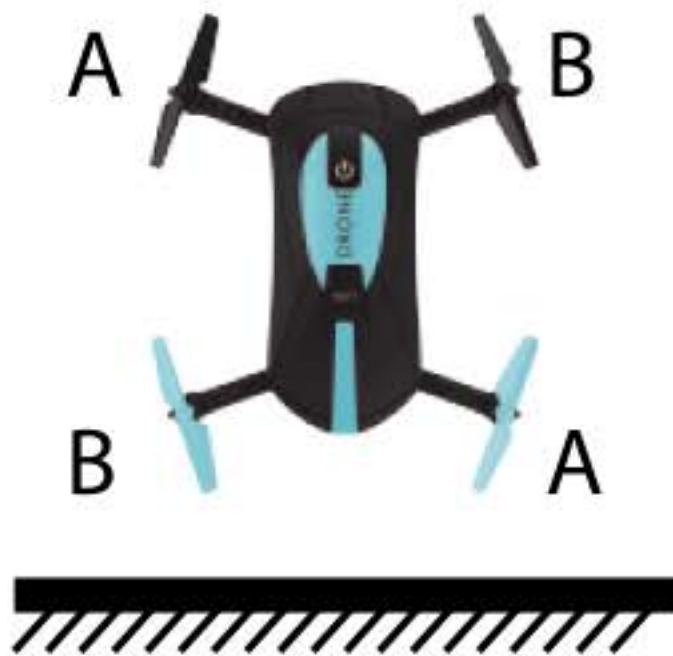
CF



A. PRE-FLIGHT PREPARATION

1. Propellers installation

Please install the propeller accurately, the propeller on the flag A should be installed to the arm sign A, the same, when the installation, to the leaves, the opposite direction, arm exposed steel shaft corresponding, press down into the propeller hole, The installation, the force can not be too large, can not make it deformed or damaged!



2. Arms folding order

Arms folding order-fold the front arms near the camera first, then the back arms (opposite when unfold them)



3. Lithium battery instruction

Hold down the battery spring button, as shown, gently pull out the battery, the charger plug and computer USB port link, and then the charger's red plug in accordance with the standard positive and negative direction into the battery port. (Note that the distinction between direction, Prohibit the opposite direction of the insert) charging, USB indicator light, the battery is saturated, the indicator light off, charging time is about 90 minutes! (For safety reasons, make sure the battery is in your line of sight when charging)



When assembling the battery, please pay attention to distinguish the direction, balance the alignment direction and gently press the battery in place, buckle position and the main body, to fasten.

4.Attentions to lithium battery usage

- There is a certain risk when using lithium battery.It may cause fire, body injury or property loss.Users must be aware of the risks of using this product.Manufacturers,retailers and dealers do not bear any responsibility once accidents occur,so please read the safety guidelines and charging instructions carefully before operation.
- If battery leakage occurs,please avoid contacting your eyes and skin with eletrolyte.Once it happens,please wash your eyes with dean water and seek medical care immediately.
- Please remove the plug immediately if you sense any peculiar smell, noiseor smog.
- Please comply with the following requirements strictly,or it may cause fire, electric shock or explosion.

Battery Charging

- Please use the charger from original factory to ensure your safe usage.
- Do not charge the dilatant or outworn battery.
- Do not overcharge the battery,Please pull out the charger once the battery is fully charged.
- Do not charge the battery next to inflammables or on the surface of electro-conductive objects,When charging please observe the battery at all time.
- Do not charge batteries which not cool down yet.
- The charging temperature should be between 0 °C to 40 °C .

Recycle

- Do not deal with the related equipment as daily rubbish,The damaged/unusablebatteries should be put into the designated container.
- This equipment is composed of electronic elements and batteries. For electronics garbage,please dispose then according to the special requirements.
- Please familiarize yourself with th local garbage disposal method.

B. INSTRUCTION OF APP

1. Wifi connection

1. Use your phone to scan the following two-dimensional code, download the factory name for the JY UFO APP control software, this product supports Android Figure 1, Android (Google play) Figure 2 and iOS Figure three system!



Android

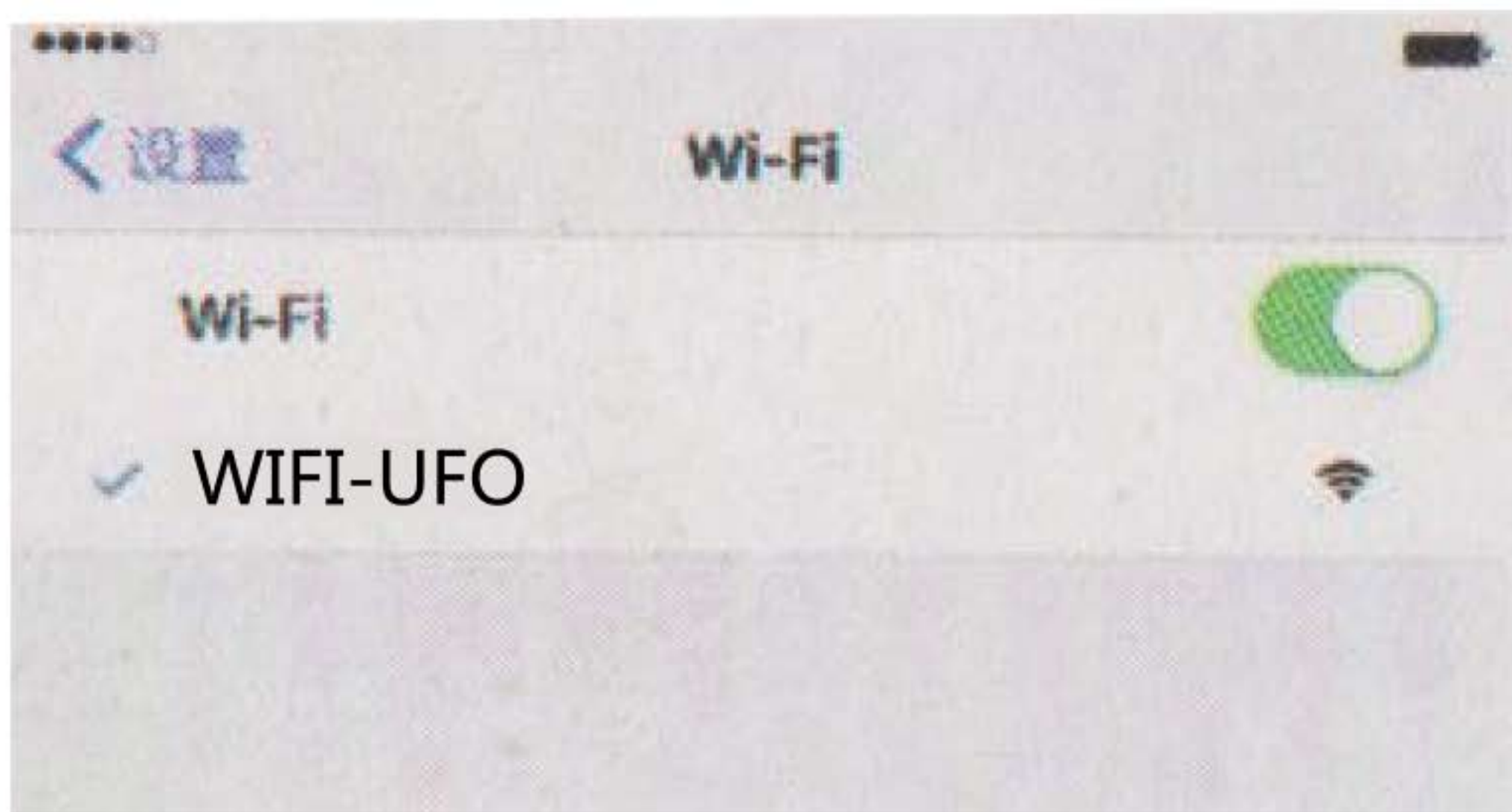


Android(Google Play)



IOS

2. Before use, please open the aircraft power switch, the aircraft on the flat ground, open the WiFi link interface, connect the WiFi name to (WiFiUFO - ###) as shown in Figure 2.

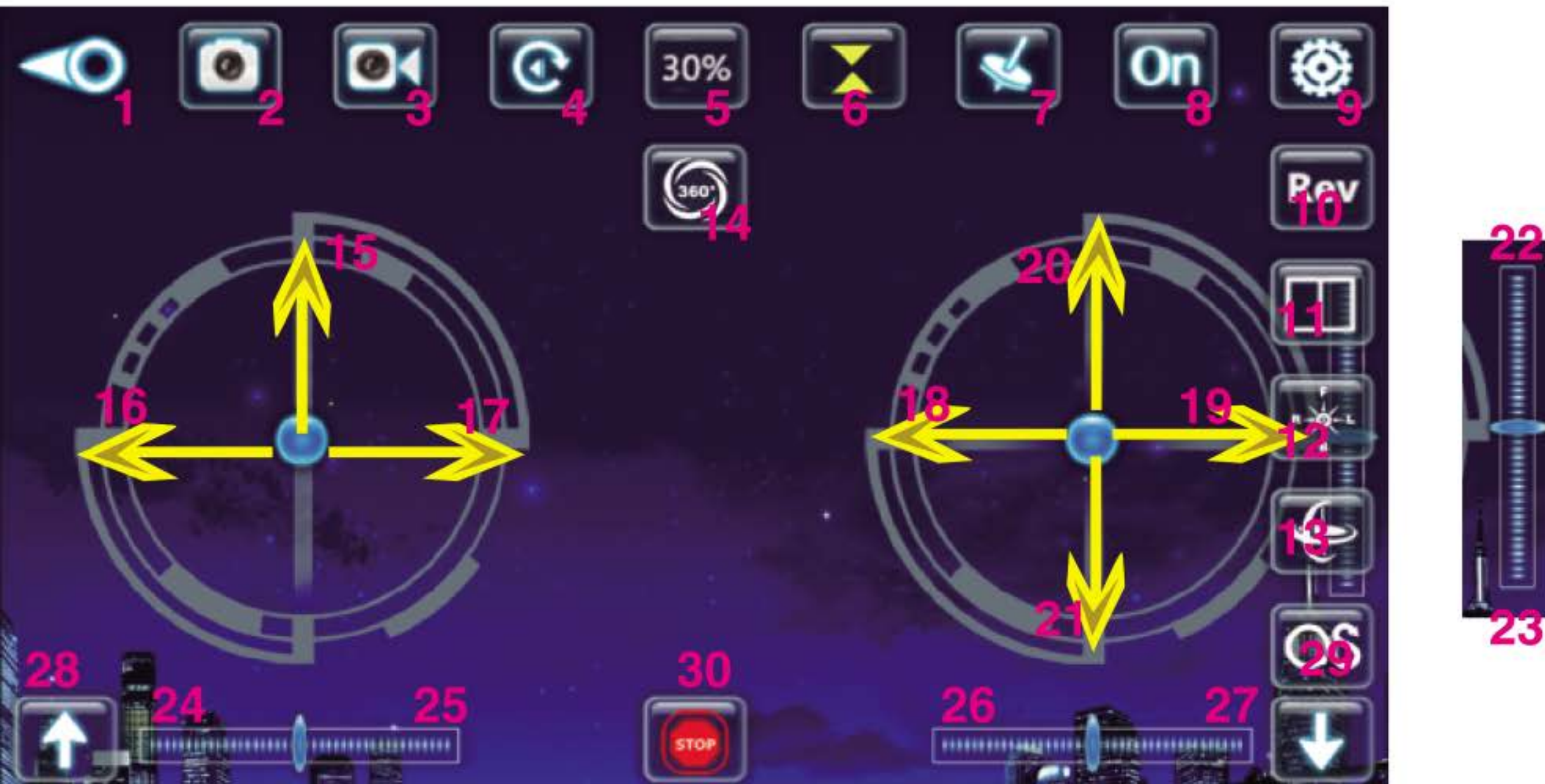




3. WiFi connection is good, open the APP, enter the main interface, as shown in Figure 3, click "Play" to enter the user interface, as shown in Figure 4 Click " " to enter ordinary control interface, as shown in figure 5 Click " " , Altitude Hold key becomes yellow, and enter the Altitude Hold interface, as shown in figure 6 Click " " for more Settings interface, as shown in figure 7.

4. When the Video links successfully, you can see the images that WiFi camera transmits through your mobile phone screen.

2.APP Interface description



1. Return

2. pictures

3. The recorded video

4. Documentation

5. speed: 30% / 60% / 100%

6. The fixed-height mode

7. Gravity sensing mode

8. Show / Hide control interface

9. Display Settings menu

10. Reverse the lens

11.3D display

12. headless mode

13. gyroscope correction

14.360 degree rollover

15. The throttle control

16/17. Right / left rotation

18/19. Left / right side fly

20/21. Forward / back

22/23 front. / Rear trim

24/25. Right / left rotation trimming

26/27. Left / right side fly fine-tuning

28. A key take-off

29. a key drop

30. Emergency Stop

1. Accelerometer mode: click into accelerometer mode, put your right hand thumb on the right joystick, will be mobile phone swing to complete (Figure 1)

2. Selfie mode: In the Altitude hold mode, you can control the quadcopter to turn the camera back to itself, then click the camera button on the screen to take selfies (Figure 2)



Figure 1

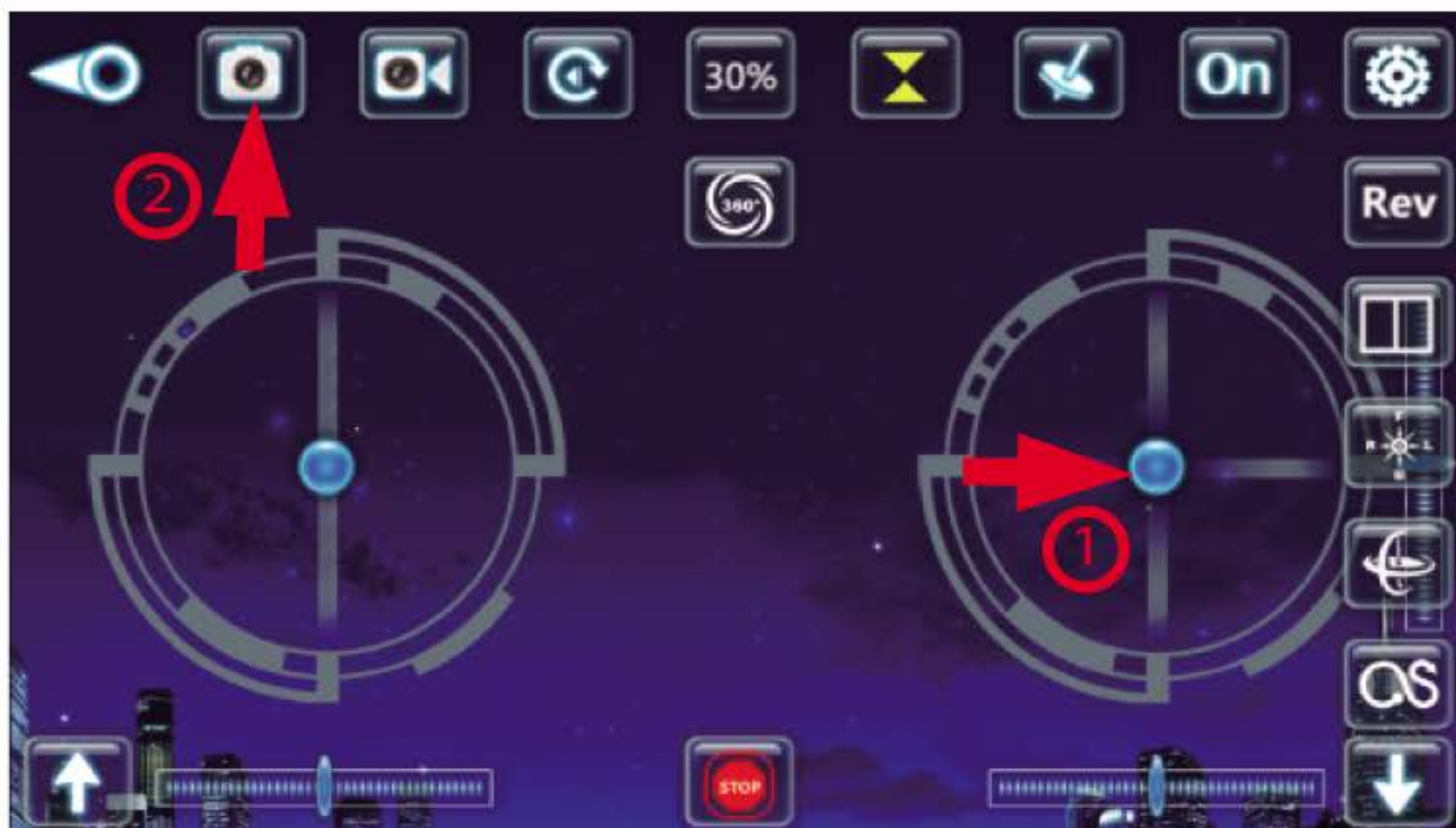


Figure 2

Attention: selfie-taking must be practiced when you are skillful enough to control the quadcopter.

3. One-key calibration: This function is only allowed on the ground.

3.Unlock quadcopter

Unlock the quadcopter before the flight,Click the Altitude hold icon in Figure 1,then click on the area in Figure 2 to unlock.

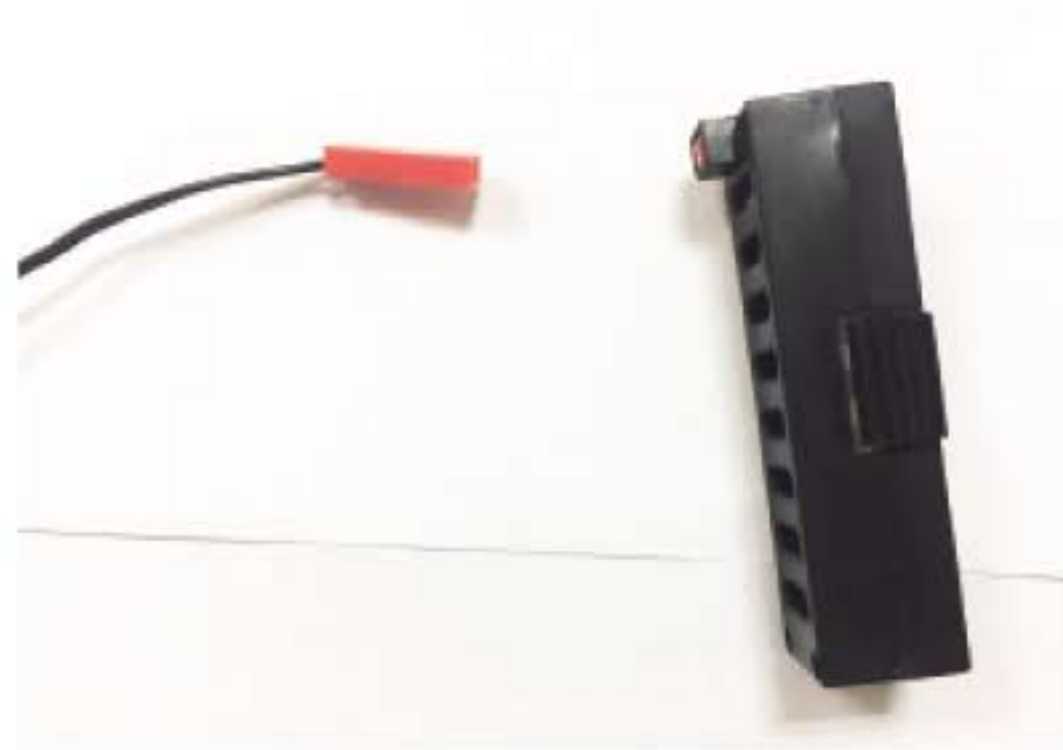


Figure1



Figure2

4.Operation method



Attention;After flight,please disconnect the battery plug from the power connection of circuit board in case of battery damages.

- 1.Connect the power plug of the quadcopter with the lithium battery socket correctly as shown in the figure.Place the quadcopter on a level surface,and please do not move it when the indicator light of mainboard is flashing.
- 2.Please put the quadcopter in an open space.Before flight,please make sure that the real part of quadcopter is pointing to you directly.

Attention: The camera of quadcopter indicates the forward direction, conversely, the backward direction.



Push up the left joystick (accelerator), the rotating speed of main blades increase, the quadcopter will ascend.
Push down the left joystick (accelerator), the rotating speed of main blades decrease, the quadcopter will descend.



Push the left joystick (accelerator) to the left, the quadcopter will turn left.
Push the left joystick (accelerator) to the right, the quadcopter will turn right.



Push up the right joystick (rudder), the quadcopter will fly forward.
Push down the right joystick (rudder), the quadcopter will fly backward.



Push the right joystick (rudder) to the right, the quadcopter will fly sideways to the right.
Push the right joystick (rudder) to the left, the quadcopter will fly sideways to the left.

Attention: Push the left joystick (accelerator) slowly to take off. When the quadcopter revolves or flies sideways in the air, make use of fine-tuning function to calibrate the action.



If the quadcopter revolves to the left while hovering, please press the right rotation fine-tuning key continuously until it is back to normal.

If the quadcopter revolves to the right while hovering, please press the left rotation fine-tuning key continuously until it is back to normal.



If the quadcopter flies sideways to the left while hovering, please press the right side flight fine-tuning key continuously until it is back to normal.

If the quadcopter flies sideways to the right while hovering, please press the left side flight fine-tuning key continuously until it is back to normal.



If the quadcopter flies backward while hovering, please press the forward fine-tuning key continuously until it is back to normal.

If the quadcopter flies forward while hovering, please press the backward fine-tuning key continuously until it is back to normal.

Attention: When the quadcopter is within 30cm from the ground, it will be affected by vortex made by itself and become unstable, This is "ground effect", The lighter the quadcopter is, the greater the effect will be.

C.FLYING EXERCISE

1.Prefling environment

- 1.Indoor flying:choose a wide place without barriers,pets and people.
 - 2.Outdoor flying:Choose a warm,sunny and windless day.
- ①Do not fly in extreme temperatures.Flying in extreme temperatures may affect the performance and damage the product.
- ②Do not fly in windy days.The performance and the control of the quadcopter will be affected by the strong winds,Flying in windw condition may cause disappearance or damages to the quadcopter.

2.Fundamental flying

You can try to fly a square,cross-shaped patten after the fundamental flight training of fixed-point take-off,landing,rotation and other basic exercises.

3.Altitude Hold

When you release the left joystick (throttle)after the up/down operation, the quadcopter will still hover over the height when the joystick is released.



4.3D Flips and Rolls

When you skillfully operate the basic moves, you can try some adventurous rotations. Fly the quadcopter more than 3 meters high from the ground, push the rotation button and push the right joystick (rubber) to one direction, the quadcopter will rotate to the direction you push.



Flip forward



Flip backward



Flip to the left



Flip to the right

D.COMMON PROBLEMS AND SOLUTIONS

PROBLEMS	CAUSES	SOLUTIONS
Control failure	1. Did not connect with the quadcopter battery.	1. Connect the quadcopter battery in right way.
	2. Top strong wind force.	2. Do not fly windy days, The control of the quadcopter will be affected by the strong winds
Fail to ascend	1. The rotation speed of main blades is too slow	1. Push up the throttle joystick
	2. The battery of the quadcopter is not fully charged.	2. Please full charge the quadcopter
Landing too soon	The throttle stick is pulled down too fast	Pull down the throttle stick slowly to perform a smooth landing
Out of control	Beyond the effective controlling distance	Ensure that the flying distance is within 30 meters

E.ACCESSORIES



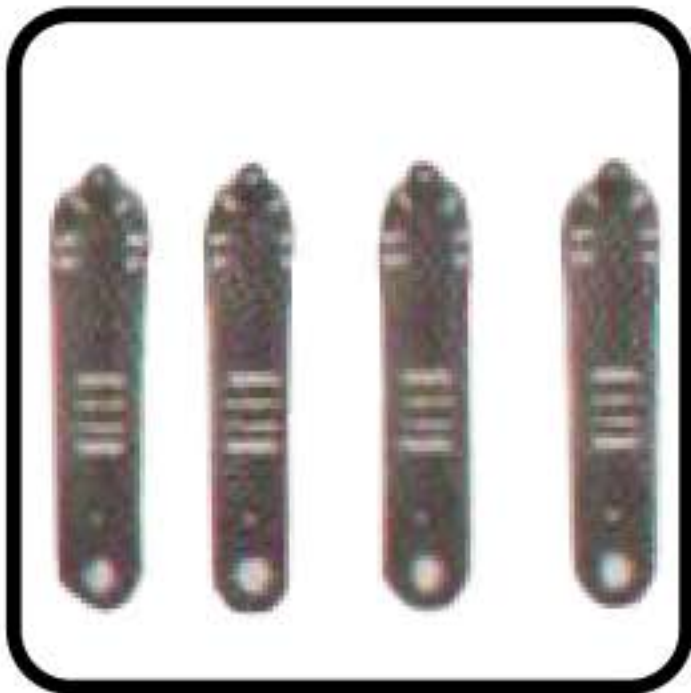
01



02



03



04



05



06



07



08



09



10



11



12

ATTENTIONS

1. This four-axis aircraft for indoor flight, if you want to fly outdoors, please ensure that the outdoor wind less than 3.
2. This product uses 2.4G multi-band control system, many people at the same time with, without affecting the control! The aircraft are equipped with forward, backward, left and right steering, left and right side fly, no head, return, high school low three speed, high pressure and 3D flip and other functions.
3. When the aircraft battery is low, the control distance will be shortened, when the aircraft battery power is too low, the aircraft will not take off, then please charge the aircraft battery as soon as possible!
4. Please repair the quadcopter in time when it is damaged. Do not fly the quadcopter when it is seriously damaged (rotor wing breakage), or it might lead to injury.
5. Do not crash the quadcopter from high altitude or crash it seriously, or it might shorten its lifetime.
6. Please read this manual carefully before operation and keep it properly for future reference.

CONTENTS

A.PRE-FLIGHT PREPARATION.....	3-4
1.Propellers installation.....	3
2.Arms folding order.....	3
3.Lithium battery instruction.....	3-4
4.Attentions to lithium battery usage...	4
B.INSTRUCTION OF APP.....	5-11
1.Wifi connection.....	5-6
2.APP Interface description.....	7-8
3.Unlock quadcopter.....	9
4.Operation method.....	9-11
C.FLYING EXERCISE.....	12-13
1.Preflight environment.....	12
2.Fundamental flying.....	12
3.Altitude Hold.....	12
4.3D Flips and Rolls.....	13
D.COMMON PROBLEMS AND SOLUTIONS.....	13
E.ACCESSORIES.....	14

Number	Name	Quantity	Number	Name	Quantity
01	Up cover of enclosure	1	08	Motor	4
02	Down cover of enclosure	1	09	Gear	4
03	Propeller	4	10	Battery	1
04	Up cover of arms(A)	4	11	USB charger	1
05	Down cover of arms(A)	4	12	Camera plate	1
06	Down cover of arms(B)	4			
07	Circuit board	1			