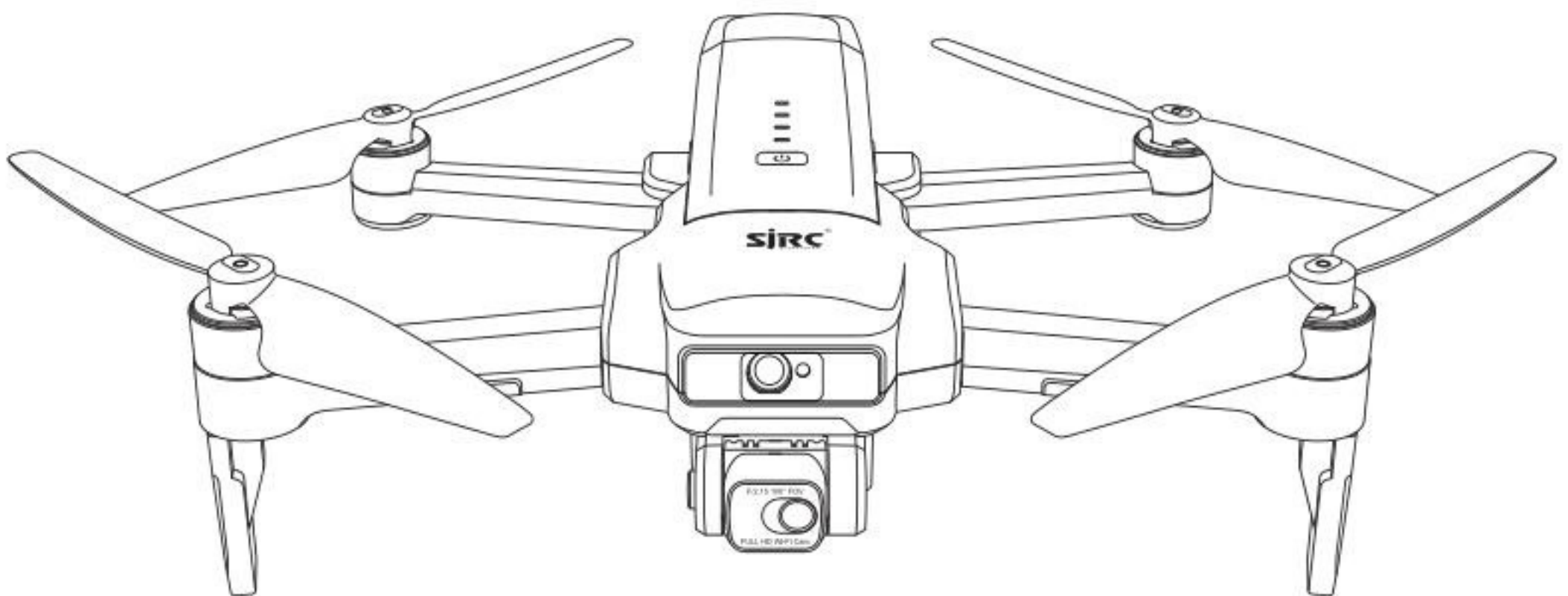




F33

— FOLDING AIRCRAFT —

2AUEZ-F33



FCC Compliance Statements

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.

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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 our country.

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IMPORTANT:

1. This product should be operated by the people who are over 14 years old. It is a precision device; integrating machinery and electronics with air mechanics and high frequency transmission. It requires correct assembly and debugging to avoid any accident. The user should operate and control this product in a safe manner. In case of incorrect operation, it may cause serious injury or damage property. It can also be lost due to incorrect operation.
2. This product is suitable for experienced UAV pilots no less than 14 years of age.
3. In the event of a problem during using, operating, or maintenance, please contact the local sales agent or retailer or keep in touch with the responsible staff of our company.

SAFETY PRECAUTIONS:

This R/C aircraft can be dangerous when in use, please make sure you keep it far away from any persons or spectators when flying. In-correct installation, poor conditions, or users not familiar with operation may cause damage to the aircraft or injure people or may cause an unexpected accident. Please pay close attention to flying safety and learn to recognize more dangerous conditions which may cause an accident due to your own negligence.

1. Keep it far away from any structures or crowds.

This R/C aircraft may vary slightly in speed or sensitivity while flying and can cause potential danger. Therefore, please keep it far away from crowds, buildings, trees, structures, high-voltage wire, etc. Please also avoid flying in adverse weather conditions such as rain, electrical storms, and high winds to ensure safety of the user, any spectators, and surrounding property.

2. Keep it away from any moist environment.

The inside of the aircraft is composed of many precision electronic and mechanical parts. Therefore, please try to avoid any moisture or water content from entering the main body of the aircraft as it may cause a breakdown of the mechanical and electronic parts and thus cause an accident.

3. Only operate with included parts for intended use.

Please use the original parts made by SJ-Series for any re-equipping or maintenance to ensure flying safety. Please operate and use only under the scope of the product function permitted. Using un-approved parts will void warranty.

DO NOT use for any illegal purpose or use beyond the scope of which your local laws and regulations have stipulated.

4. Avoid controlling it independently.

New users may have certain difficulties during the early stages of learning to operate this aircraft. Please try to avoid operating the aircraft alone.

When available, always operate this aircraft under the guidance of a more experienced user.

5. Do not operate under the influence of drugs or alcohol.

Please operate this R/C aircraft according to your own state and flying skill. Any fatigue, bad mental state, or incorrect operation may increase the probability of accidental risk.

6. Please keep a safe range from aircraft when using top speed.

When the operator is flying in high speed, please keep the aircraft far from the pilot and any surrounding persons or objects so as not to cause danger or damage.

7. Store it in a cool, dry place.

The R/C aircraft is composed of material such as metal, fiber, plastic, electronics, etc. Therefore, please keep it away from any heat source and avoid prolonged exposure to direct sunlight. Excessive heat exposure can cause distortion and damage.

- 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.
- Please note that changes or modifications not expressly approved by the party responsible for compliance could void the use's authority to operate the equipment.

WARNING

1. There is important information contained in this package and instruction manual, please keep it for future reference.
2. You have the responsibility to make sure that this model of aircraft won't cause injury to others' body or cause any damage to property.
3. Please operate strictly as shown on the instruction manual when debugging or assembling this aircraft. During the process of flying or landing, please pay more attention to keep 1-2 meters between the user and the aircraft to avoid colliding to the head or face or body, which may cause injury.
4. Our company and distributors won't be responsible for any incorrect operation, which may cause loss or damage or injury to the body.
5. Children ages 14 and up should use this product under the guidance of an adult. This product is FORBIDDEN to be used by children under 14 years old.
6. Please correctly assemble and use this product as shown on the instruction manual or packing instruction. Some parts should be assembled by an adult.
7. Small parts are included with this product. Please place it beyond the reach of the children to avoid a CHOKING HAZARD or parts being mistakenly swallowed.
8. Playing on the road or near high traffic areas is strictly FORBIDDEN so as not to cause an accident.
9. Please dispose of the packing material timely so as not to cause injury to children.
10. Please DO NOT disassemble or re-equip the aircraft as it may cause a breakdown of the aircraft during flying.
11. Batteries in the battery compartment of the charger should be inserted into the designated power source which has the same logo as the product.
12. Built-in rechargeable 7.4V lithium polymer battery included in the remote control.
13. Only the original charger made from our factory can be used.
14. Charger is not a toy.
15. When charging the battery, please conduct it under the surveillance of an adult. Please also keep it far away from any combustible object when charging. Please keep this aircraft within eyesight when charging.
16. Please DO NOT make it short-circuited or squeeze the battery so as not to cause an explosion.
17. DO NOT mix the Li-ion battery with a different type of battery.
18. Intelligent lithium battery is loaded in the Quad-rotor. Both built-in or external can be used for charging.
19. Please DO NOT make the battery short-circuited or decompose the battery or throw the battery into the fire; DO NOT place the batteries near the high temperature or heated area (such as near the fire or near the electric heating device).

- 20. The aircraft should be kept far away from any other electric compliance or equipment as far as possible or kept far away from the place where having the magnetic object nearby as they may cause interference with each other.
- 21. Please keep the safe distance from the high-speed rotating rotor so as not to cause twisted or danger of being wounded or being cut.
- 22. Engine will heat up. Please DO NOT touch it to avoid being burned or injured.
- 23. Please DO NOT close this product to your ear as it may cause injury to your hearing.
- 24. To comply with the command of the magnetic environment requirement formulated by the Aviation Radio Bureau and the related authority, during the regulated period in certain areas, please stop using the remote control of this model when such regulation command is issued.
- 25. Keep your UAS within sight.
- 26. Never fly over groups of people.
- 27. Never fly over stadiums or sports events.
- 28. Understand airspace restrictions and requirements.

**WARNING:**
CHOKING HAZARD -Small parts.
Not for children under 3 years.

**NOT SUITABLE FOR CHILDREN UNDER 3 YEARS DUE TO SMALL PARTS**
هشدار: برای کودکان زیر ۳ سال
مناسب نیست. دارای قطعات کوچک است.
تعمیر: هر مقام مسئول تحت ۱۵ ساله (۱۵) و بالای ۱۵ سال
COUNTRY OF ORIGIN: CHINA
بازار مبدأ: چین


تست و طبقاً للمواصفات والمعايير العالمية
Tested according to international standards


MADE IN CHINA

WARNING: CHARGING OF THE AIRCRAFT BATTERY MUST BE SUPERVISED AT ALL TIMES BY AN ADULT. UNPLUG THE BATTERY WHEN FULLY CHARGED. DO NOT OVER-CHARGE THE BATTERY.

EXEMPTION

When using this product, SJRC shall not be responsible for direct or indirect damages caused by the following reasons:

The damage caused by the user in the condition of drinking, drug taking, drug anesthesia, dizziness, fatigue, nausea and other poor physical or mental conditions.

Personal injury, property loss and legal liability caused by the user's subjective intention or wrong judgment.

Compensation for any related spiritual damage caused by the accident.

Damage caused by users flying in flight areas prohibited by laws and regulations such as nature reserves.

Other damage caused by poor operation of Quadrotor due to re-equipment training or replacement of accessories or parts not produced by SJRC.

The Quadrotor sends low-pressure alarm and still does not land, resulting in the Quadrotor falling down.

Damage caused by forced flight knowing that the Quadrotor is in an abnormal state (such as water, oil, soil, sand or other unknown substances mixed in or the assembly is not completed or the main components have obvious faults or the accessories have obvious defects or missing).

Damage caused by the Quadrotor flying in magnetic interference area, radio interference area (such as areas near high-voltage power lines, large power equipment, radio and television transmission towers, mobile phone base stations, etc.), no fly area specified by the government, or the user's vision is in backlight, blocked by obstacles, blurred vision, poor magic power and other conditions unsuitable for control.

Fly in bad weather, such as rain or wind (more than level 4), snow, hail or other bad weather.

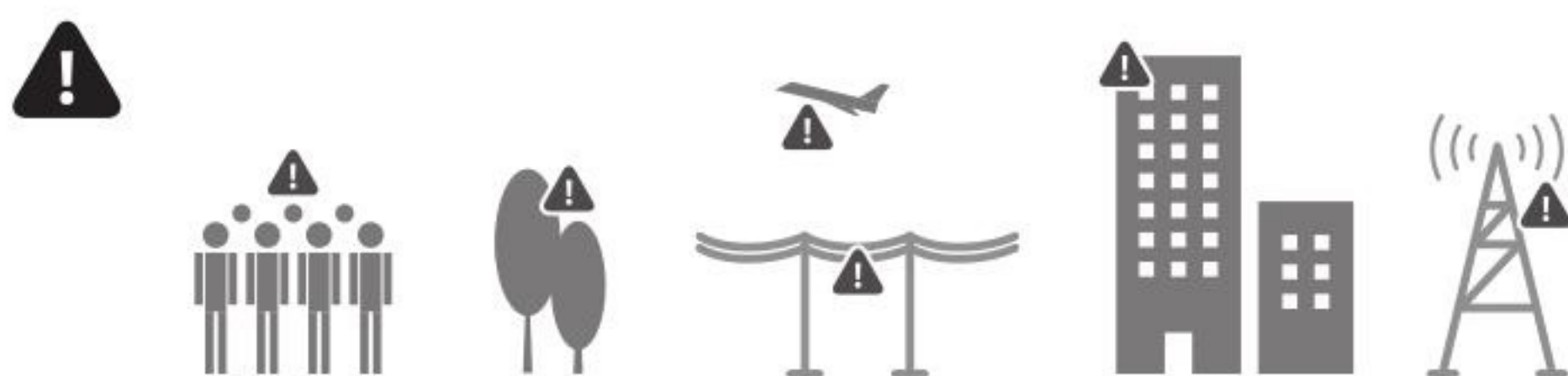
The Quadrotor encounters collision, overturn, fire, explosion, lightning strike, storm, tornado, rainstorm, flood, tsunami, ground subsidence, ice subsidence, cliff collapse, avalanche, hail, debris flow, landslide, earthquake, etc.

Damage caused by infringement of any data, audio or video data obtained by the user using the Quadrotor.

For the battery, such as damage caused by improper matching of protection circuit, battery pack and charger.

Losses or legal liabilities caused by the user's reckless unsafe flight without completing sufficient flight training.

The user promises to use the product only for legitimate purposes and agrees to abide by these terms and any relevant policies or guidelines that may be formulated by SJRC. Some details of this document may change with the upgrade of the product software version. Please read the upgrade details carefully before upgrading the software version. The instruction manual will be updated with or without prior notice.

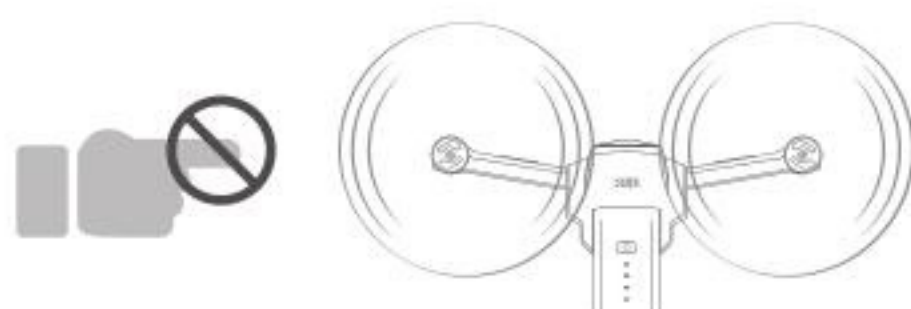


Avoid flying over or near obstacles, crowds, high voltage power lines, trees, airport or bodies of water.

DO NOT fly near strong electromagnetic sources such as power lines and base stations as it may affect the onboard compass.



DO NOT use the drone in adverse weather conditions such as rain, snow, fog and wind speeds exceeding 10 m/s or 32 mph.



Stay away from the rotating propellers and motors.

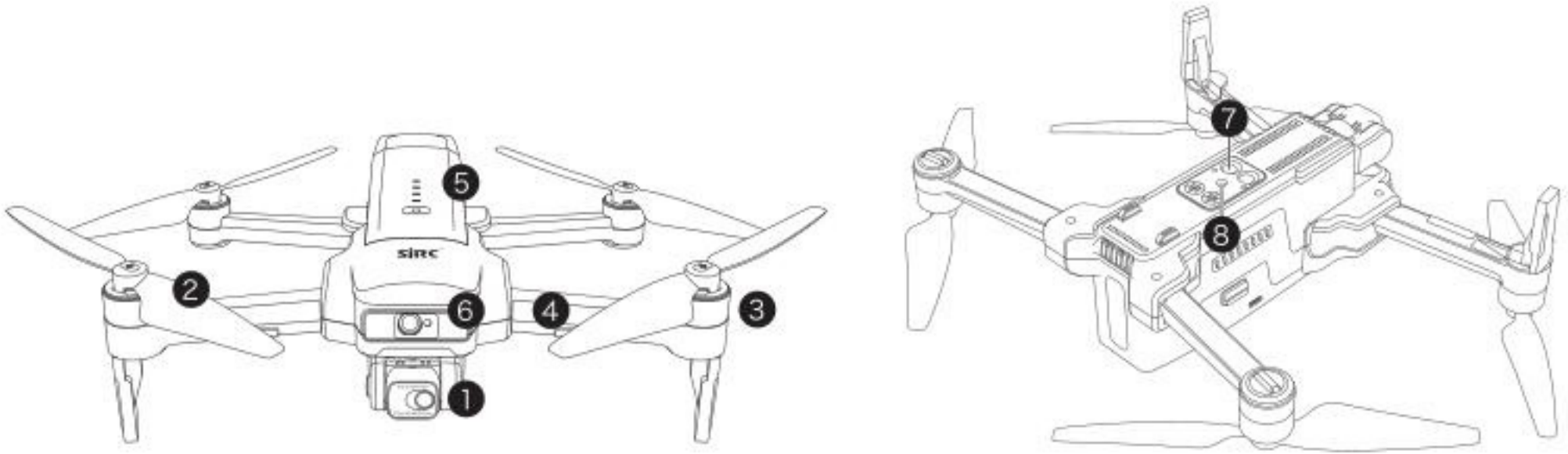


No Fly Zone



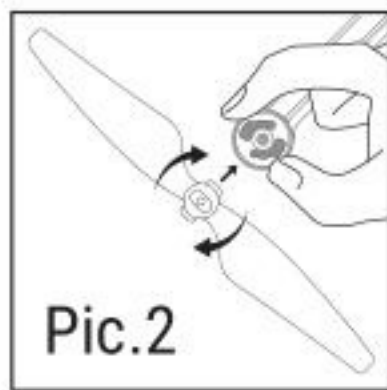
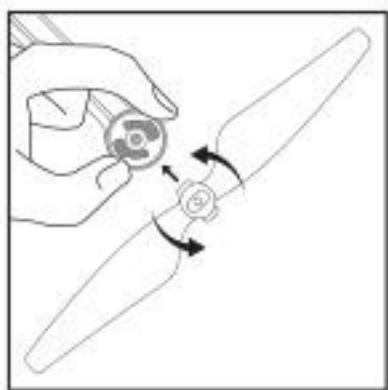
It's important to understand basic flight guidelines, for the safety of both you and those around you. Don't forget to read the Safety Guidelines before flight.

AIRCRAFT

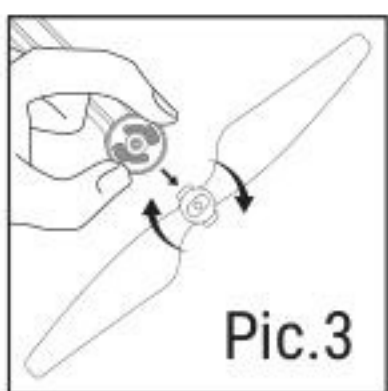


1. 2-axis mechanical gimbal with 4K electronic image stabilization camera
2. Propeller 3. Motor 4. LED indicator 5. Intelligent battery
6. Obstacle avoidance module 7. Night light
-

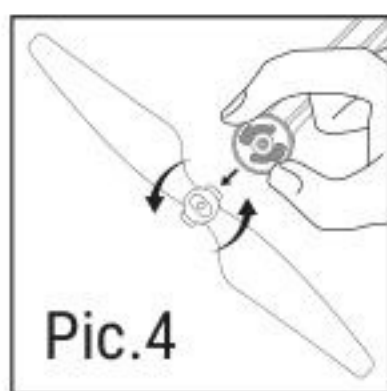
2. ASSEMBLE THE PROPELLER



Pic.2



Pic.3



Pic.4

ASSEMBLE THE PROPELLER A

Hold the motor, put the propeller in the motor spindle, aim at the propeller clip with the motor groove, press it down and rotate it in counter-clockwise direction.

ASSEMBLE THE PROPELLER B

Hold the motor, put the propeller in the motor spindle, aim at the propeller clip with the motor groove, press it down and rotate it in clockwise direction.

TAKE THE PROPELLER A OUT:

Hold the motor, press the propeller down and rotate it in clockwise direction.

TAKE THE PROPELLER B OUT:

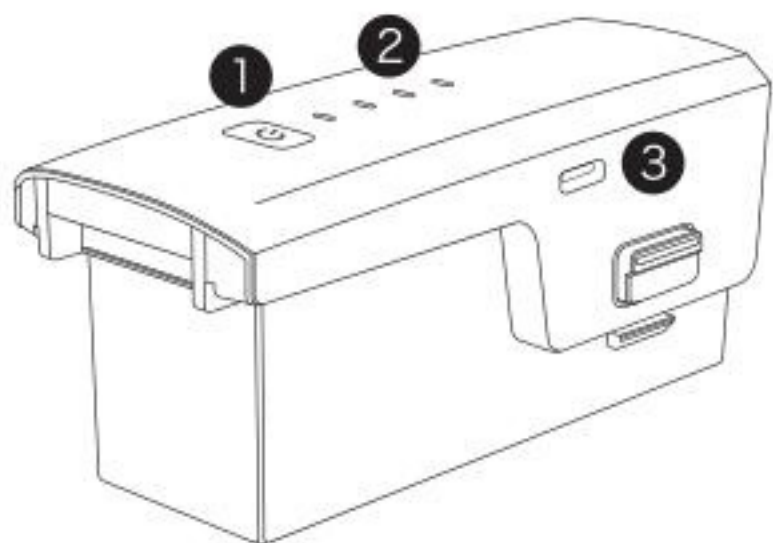
Hold the motor, press the propeller down and rotate it in counter-clockwise direction.

3. LANDING GEAR

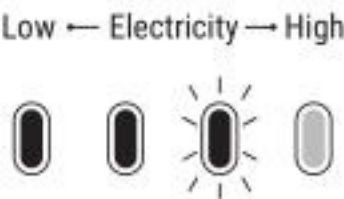


As shown in the picture above, please unfold the two front landing gears separately.

4. INTELLIGENT FLIGHT BATTERY



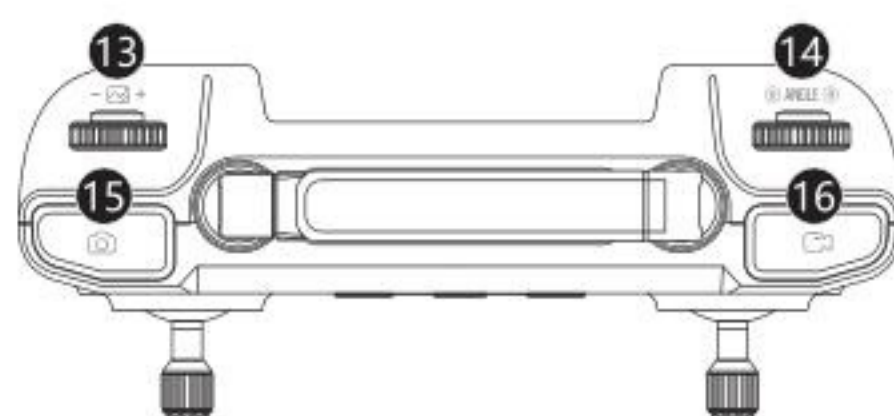
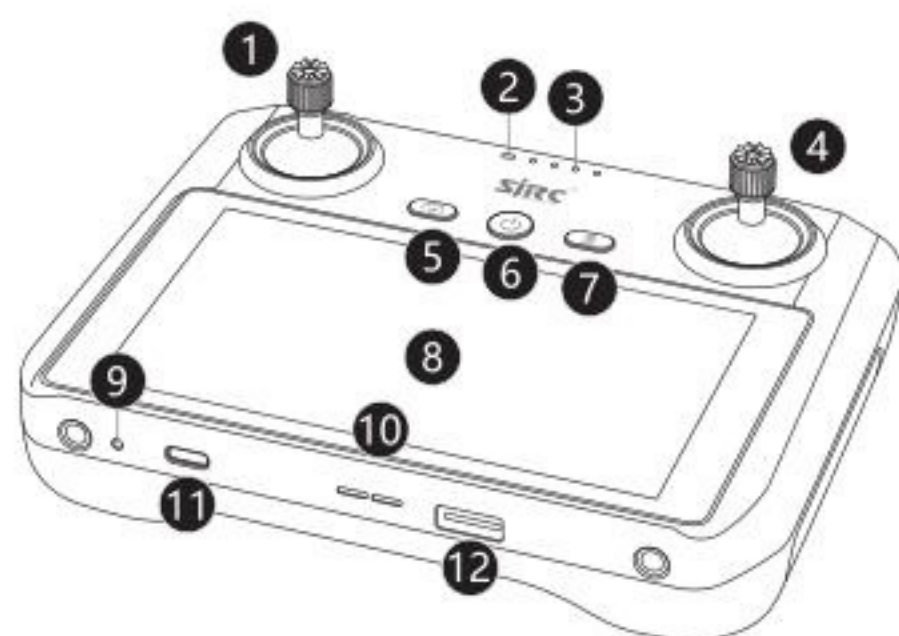
- 1. Battery switch
- 2. Battery power indicator
- 3. USB-C charging port



- Hold the switch button for 3 sec. power on; then press the button for 3 sec. power off.
- When the battery in low voltage, Blue indicators will be blinking, now please charge the battery.

Tip: The battery has automatic discharge function after full charge. When the user does not use it for a long time under the environment in the high temperature, In order to prevent the battery from bulging, self-discharge to about 12V then cut-off discharge.

REMOTE CONTROLLER



Throttle Stick

Status LED:

Solid Red for disconnecting the aircraft

Solid Green for connecting the aircraft

Battery Level LED:

Blinking means battery is discharging Flickering means battery is under charging Flashing at the last grid means battery is in low power

Direction Stick

Click once to the speed switch (Between Cine, Normal and Sport mode); keep pressing it for 3 seconds to Cruising Control

Shortly press it to check battery level, shortly press it and then keep pressing it for 3 seconds to switch it on

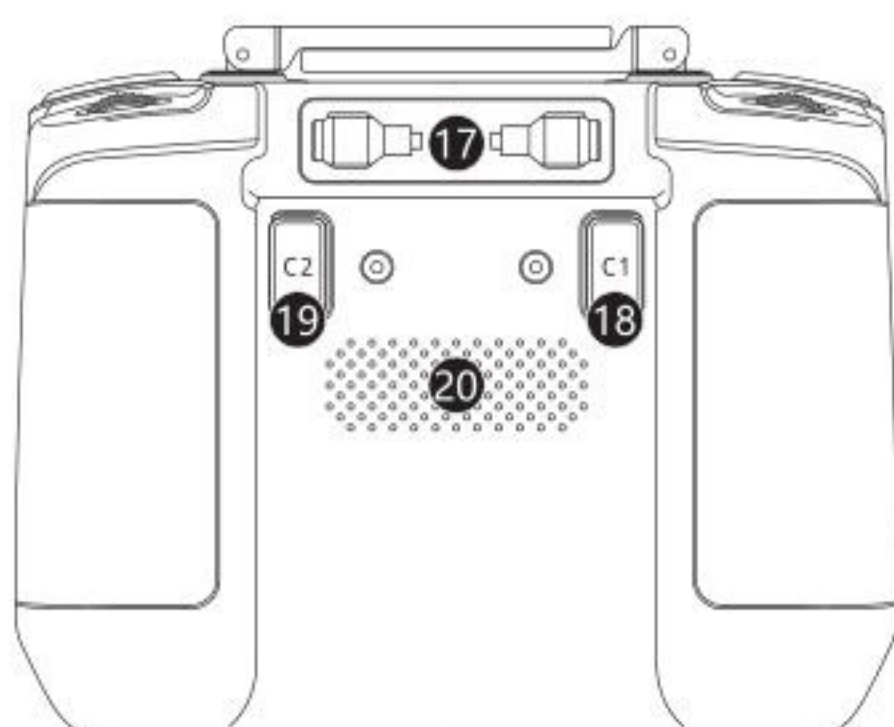
Touchscreen

Microphone

. Speaker:

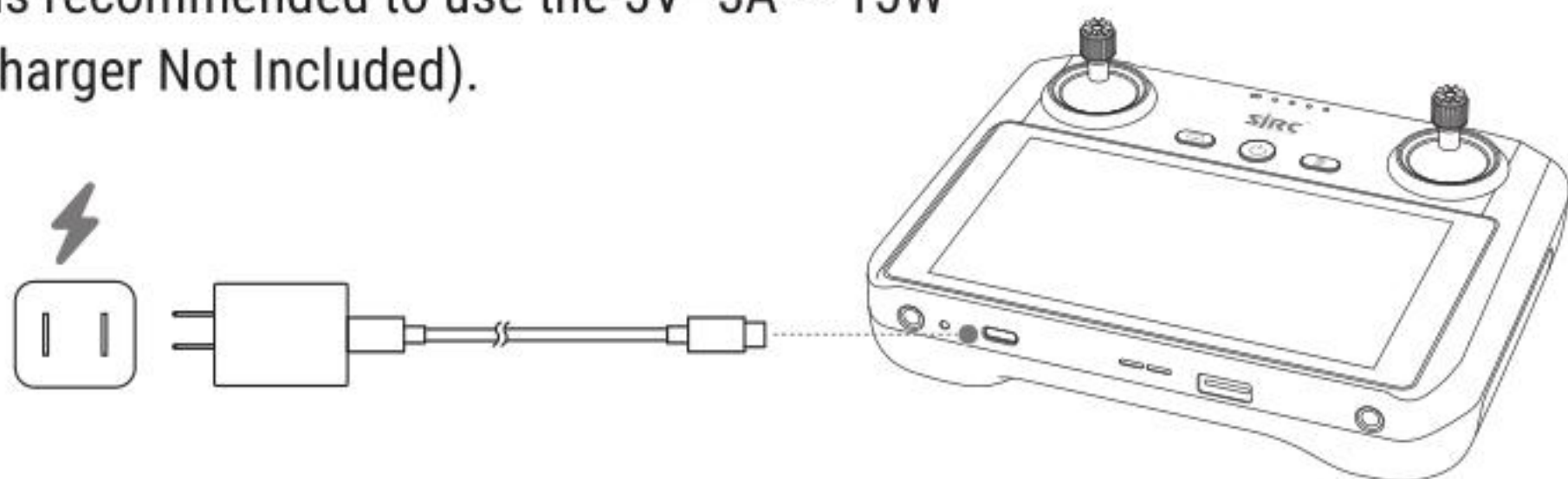
Output sound less than 85dB

. USB-C Charging port



REMOTE CONTROLLER CHARGING

It is recommended to use the 5V-3A = 15W
(Charger Not Included).

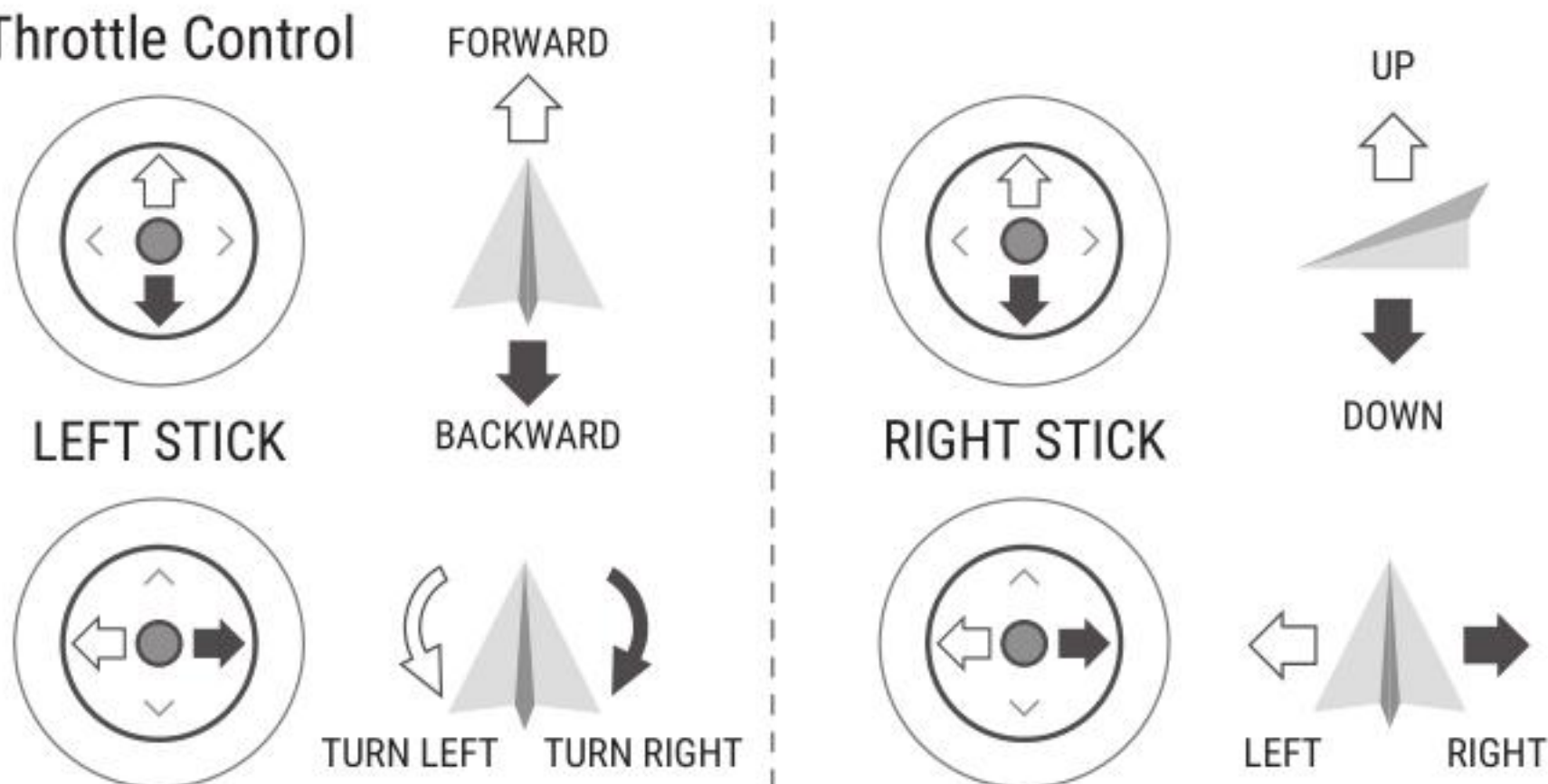


Connect the charger to the USB-C port on the remote controller. When charging, all LED lights on the remote controller are flicking; when fully charged, 4 LED lights on the remote controller are solid on, it can be used while charging.

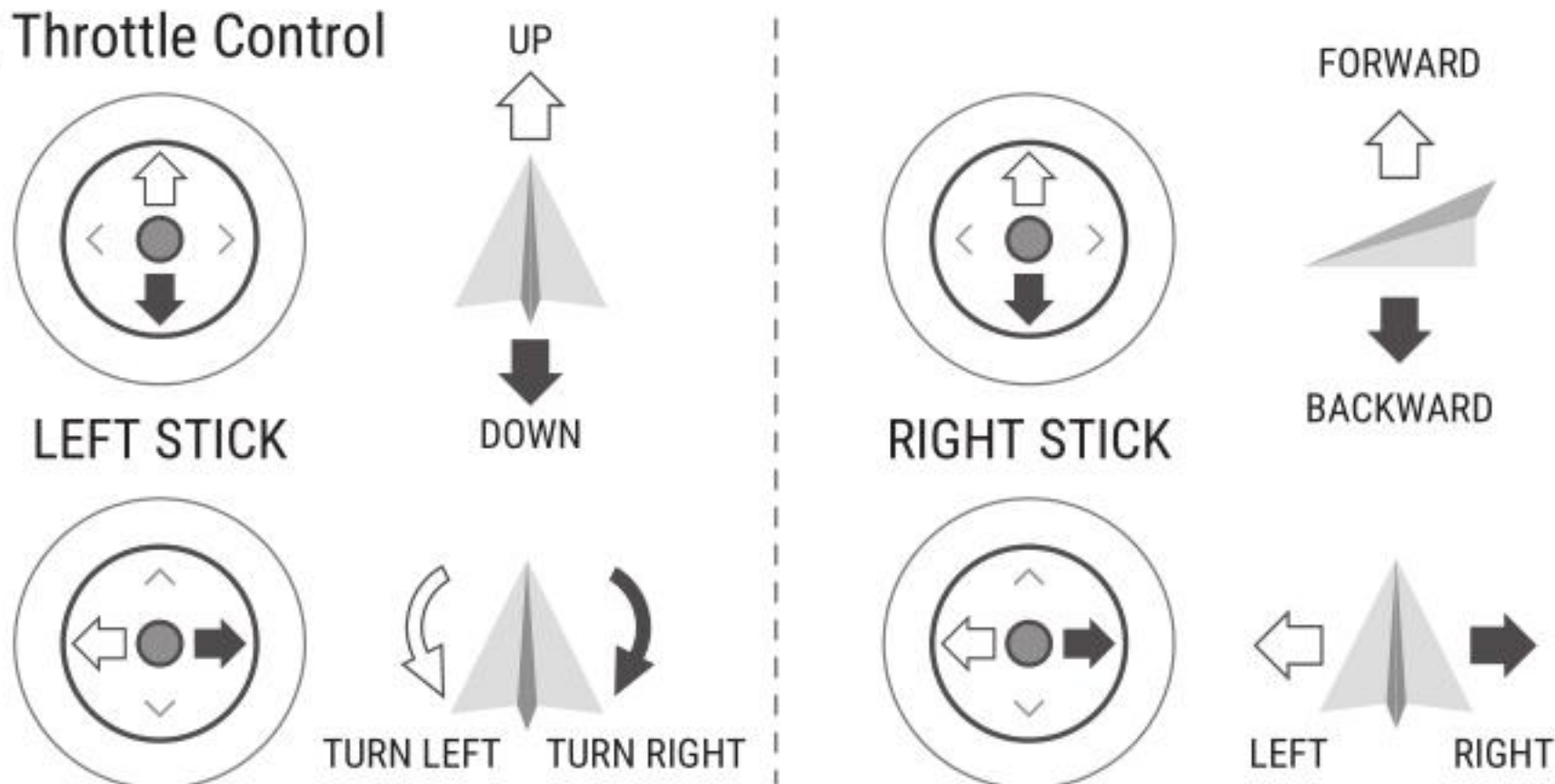
OPERATING METHOD OF THE REMOTE CONTROLLER

The operating method of the control lever of the remote controller can be separated into two methods, i.e. Left Throttle Control, Right Throttle Control, as the figures shown below.

Left Throttle Control



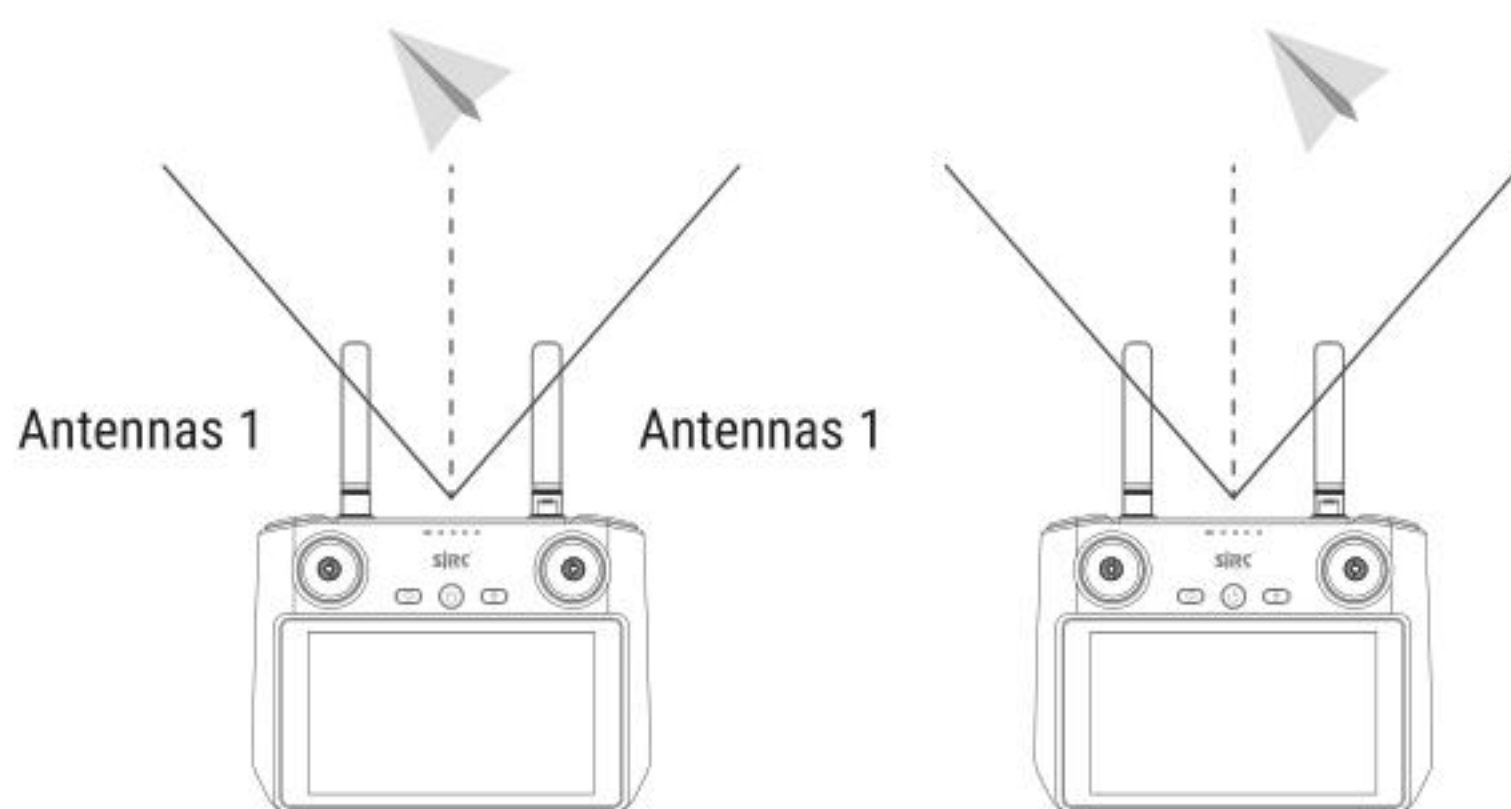
Right Throttle Control



OPTIMAL TRANSMISSION ZONE

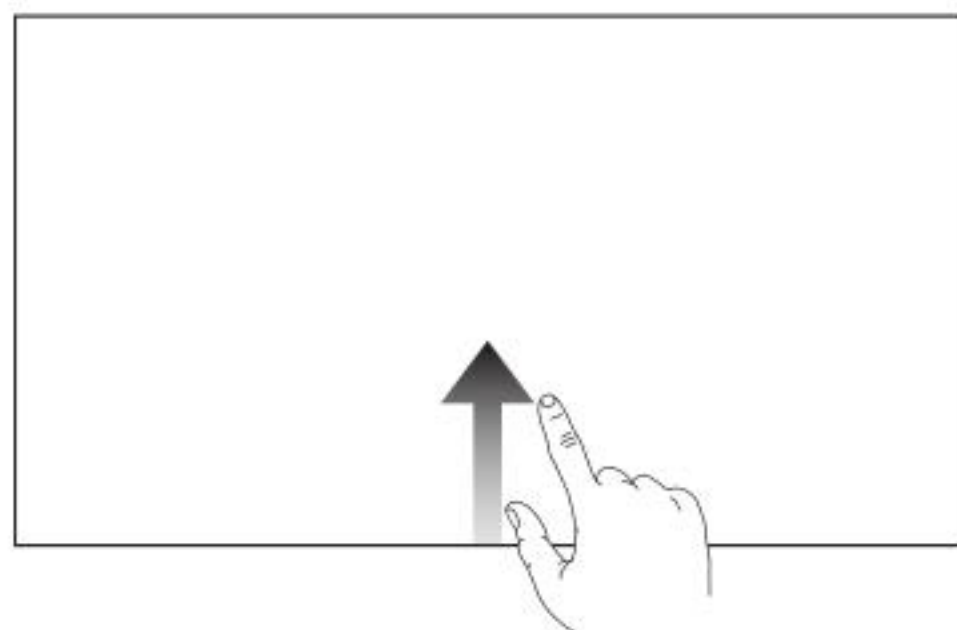
When operating the aircraft, please adjust the orientation and distance between the remote controller and aircraft in time to make sure the aircraft is in the optimal transmission range.

The signal between the remote controller and aircraft is the most optimal when the antennas are positioned in relation to the aircraft as illustrated below.

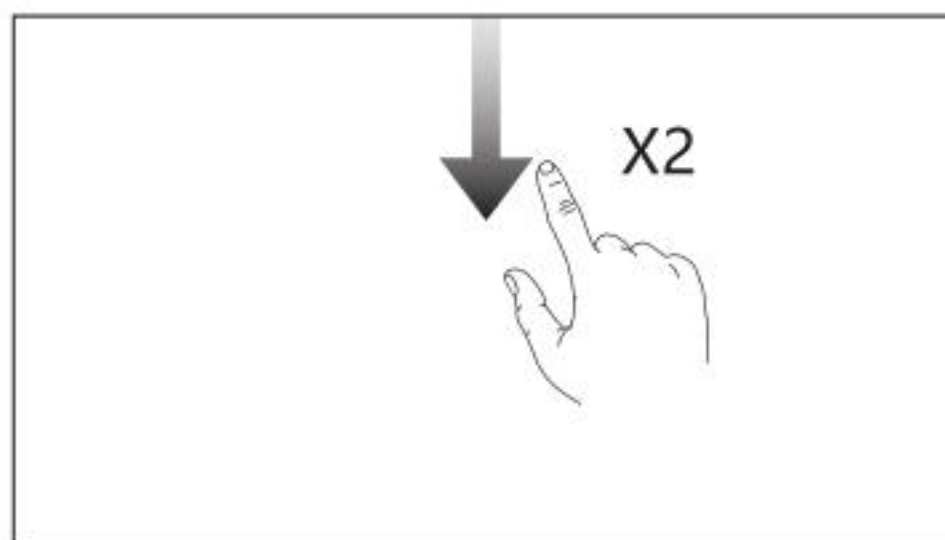


NOTE : Please unfold the antenna when using.

OPERATIONS

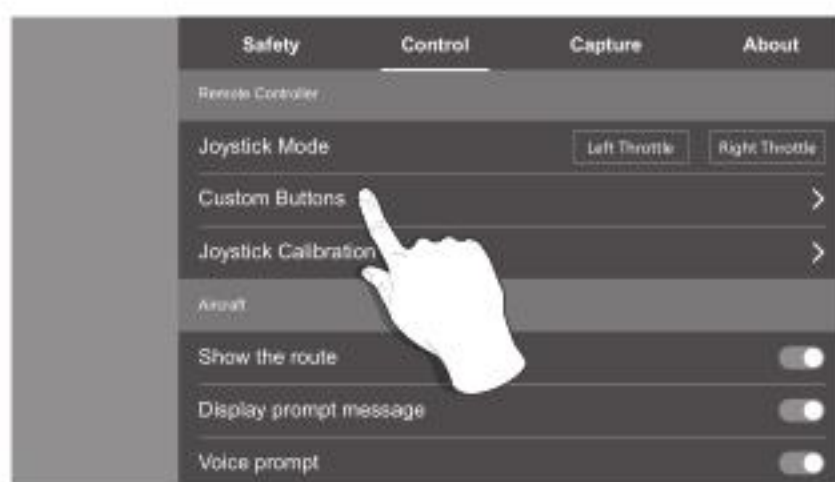


Slide up from the bottom of the screen to return to the interface



Slide down twice continuously from the top of the screen to enter the Quick Settings

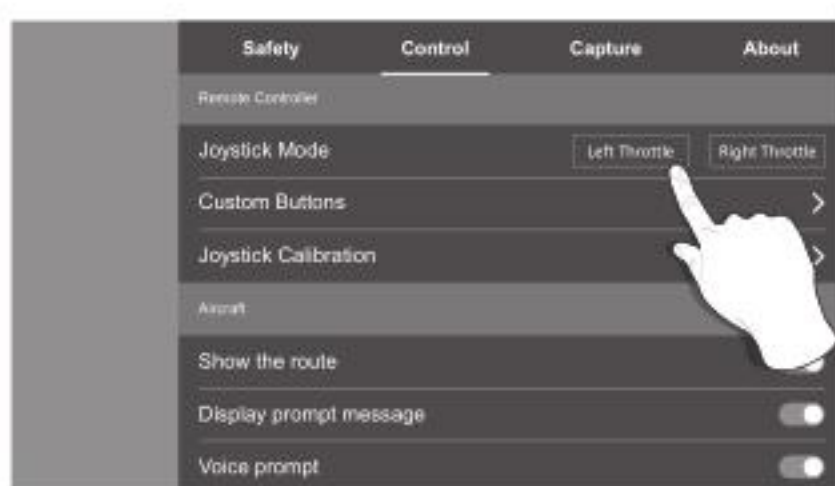
SETTING THE FUNCTIONS



1. Buttons Customization:

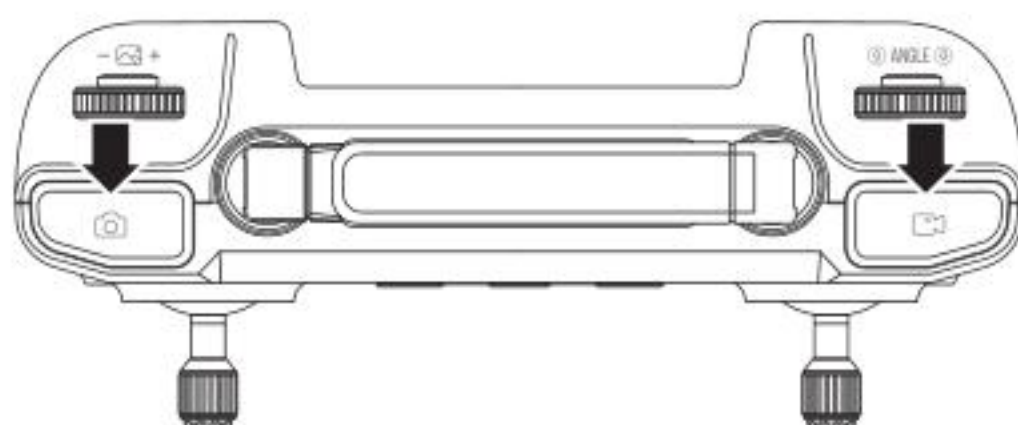
C1 Button and C2 Button:

Settings > Control > Custom Buttons:
Users can view and set the functions for the button from the listing of C1 Button and C2 Button.





2. Joysticks Mode:

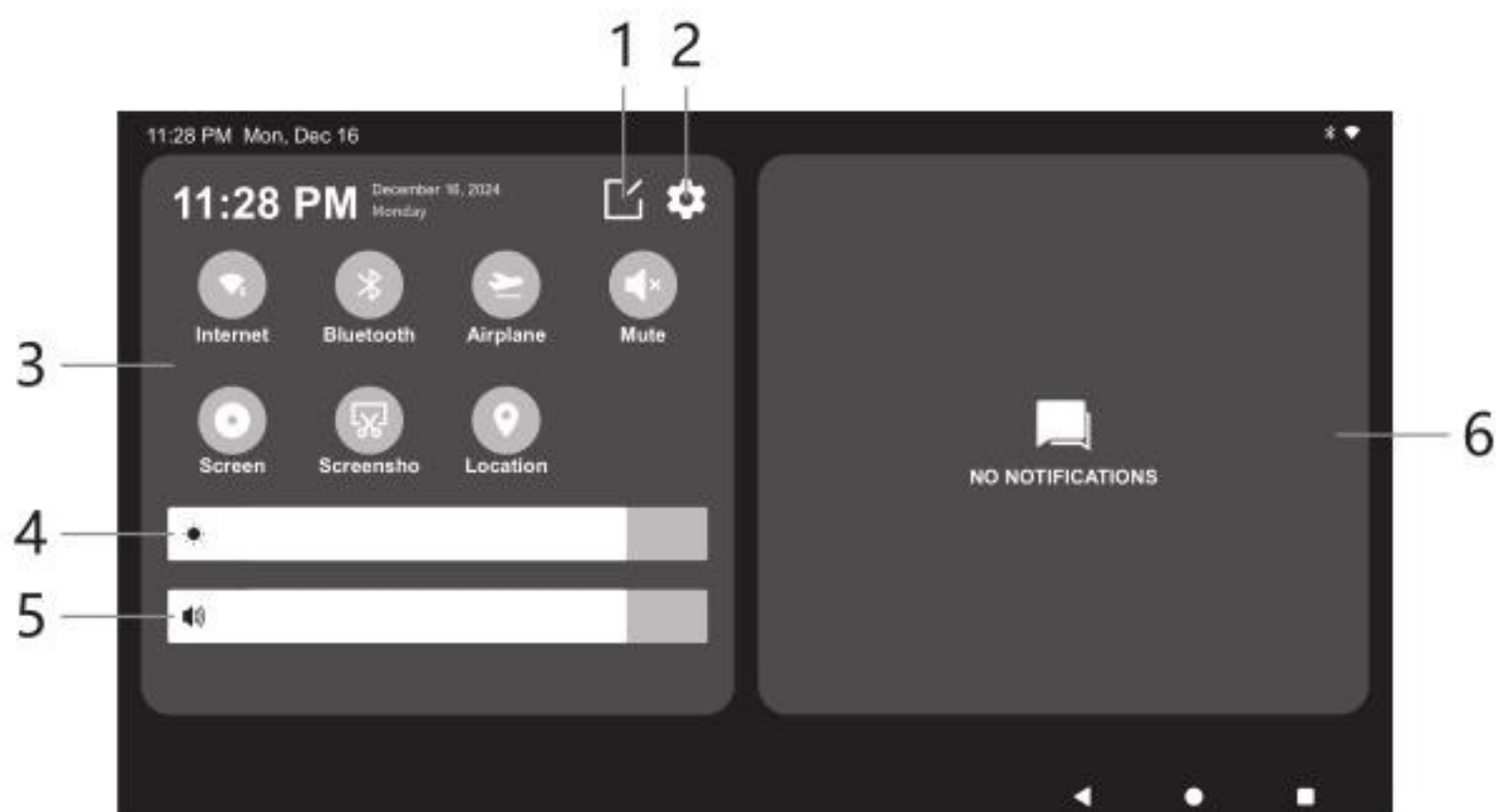
Setting > Control > Choose Left Joystick as Throttle Stick or Right Joystick as Throttle Stick.



3. Emergency Stop:

Pressing the Video Button  and Camera Button  at the same time for 3 seconds. Aircraft can activate this function when the actual height is less than 5 meters and the pressure sensor may detect errors. Please operate it with cautions.

QUICK SETTINGS



1. Tap to the Editing interface

2. System Setting

Tap to access system settings and configure settings such as network,

3. Shortcuts

📶 Tap to enable or disable Wi-Fi. Keep pressing to enter settings and then connect to or add a Wi-Fi network.

✈ Tap to enable Airplane mode. Wi-Fi and Bluetooth will be disabled.

🔊 Tap to enable mute mode or disable the speaker.

4. Adjusting Brightness

Slide the bar to adjust the screen brightness.

5. Adjusting Volume

Slide the bar to adjust the volume.

6. Notifications

Tap to check system notifications.

⚠ Restore Factory Settings: Enter into the APP first page > MINE > System Settings > System > Reset options > Erase all data (factory reset) > Completed.

FIRMWARE UPDATE

1. Power on the remote controller and make sure it is connected to the internet enter to the APP, and a prompt will be appear when new firmware is available. Tap the prompt and follow the instructions on the screen to update the the firmware.
Note: Make sure the remote controller is connected to the internet during the whole update process.
2. Firmware of Repeater, Remote controller, Aircraft can be updated via the Internet. Enter the Home Page of the APP, tap Setting > About > Check for Firmware Updates to check whether a new firmware is available.
3. Make sure the remote controller has a battery level of more than 50% before updating.

SPECIFICATIONS

Operating Frequency: 5.15-5.25GHz; 5.725-5.825 GHz

Supported Transmission Protocol: 802.11 a

Power: < 27dbM

Max distance: Up to 6km (Depend on the outdoor environment without any interference)

Strong Interference : Approx. 1.5km

Medium Interference : Approx. 3km

No Interference: Approx. 6 km

Weight: 425g/14.99oz

Built-in 7.4V2500mAh Li-polymer battery; 18.5Wh

Operating time: about 4 hours

Charging time: about 2.5 hours (Depending on the charging power)

Charging Type: USB-C charging cable

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

Language Switching:

Power on the Remote Controller, enter to the First Page:

MINE > Language > Add a language

Note:

The defaulted language in China Mainlands is Simple Chinese.

Besides the China Mainland areas, the defaulted language in other areas in the world is English.

FLIGHT



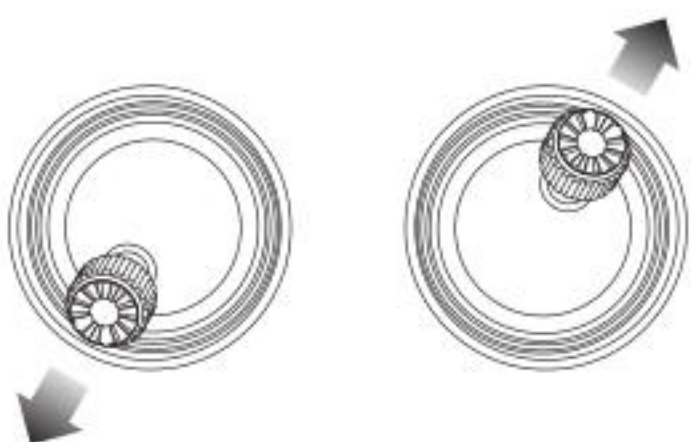
STEP 1: Turn on the aircraft and set down on a level surface

- The aircraft will auto-trim to this level surface.
- Four aircraft arms -- Blinking Red.
- Power on the remote controller and link the aircraft automatically.
- Lights flashing blue (back) and white (front).

STEP 2:FREQUENCY PAIRING INSTRUCTION

Enter into the APP first page  –  –  , following the instructional video.

STEP 3: Reset to factory Setting / Level calibration



- Push the throttle lever of the remote controller to the "7" o'clock position and push the direction lever to the "1" o'clock position.
- Blue light (rear) + White light (front) of the aircraft: Keep flashing quickly.

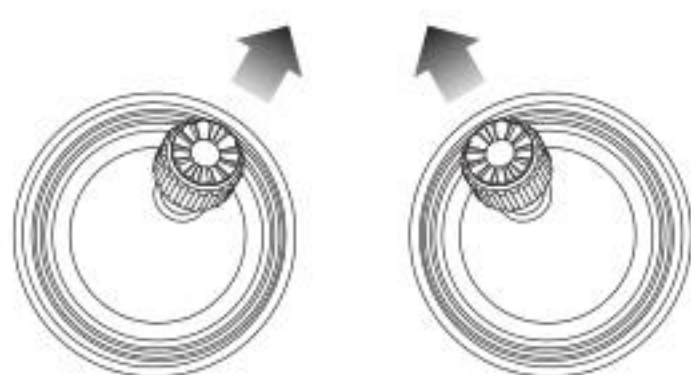
App Status: "Reset to factory Setting / Level level calibration"

Precautions: Please put the aircraft on the horizontal ground for the restore factory setting. Otherwise it may affect the flight attitude.

STEP 4: Compass Calibration

1. Compass Calibration Part 1

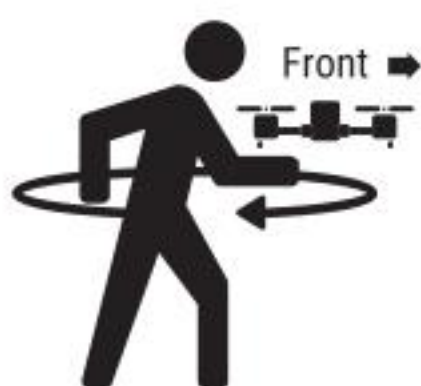
- Push the joysticks into the 1 & 11 o'clock position.
- Lights rapid-blinking Blue / red (back) and White / red (front).
- App aircraft status: "Compass calibration".



Remark: The compass will be calibrated automatically when the magnetic interference occur, it is necessary to calibrate the compass manually.

STEP 5: Compass Calibration--Part 1

- Pick up the aircraft horizontally and turn it around with your body(360°) and the remote control will send out a beeping sound.
- Blue light + red light (front) of the aircraft-- Solid on.



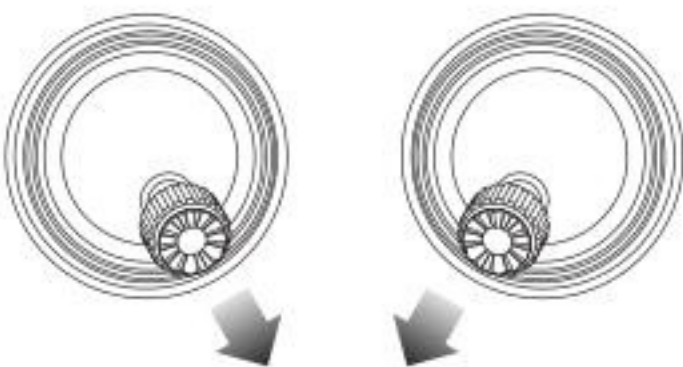
STEP 6: Compass Calibration--Part 2



- Pick up the aircraft from the bottom, head of the aircraft facing down and follow your body for a complete circle (360°).
Now remote controller makes "DI" sound.
- White light + red light (front) of the aircraft--
Solid on.

APP Status: Please place the aircraft on a level ground and hold the aircraft stationary until the head of the pendant reallocates.

STEP 8: Starting/Stopping motors



- Push the joysticks into 5 & 7 o'clock position.
- Motors automatically to start, push the left joystick to take off the aircraft. (Starting the motors before the aircraft taking off).

NOTE: Starting the motors should be set before the aircraft take off.

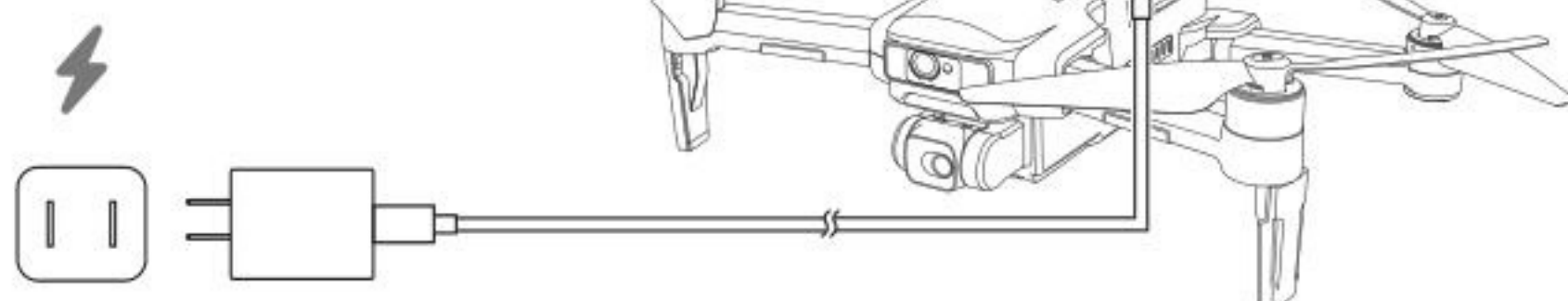
- Stopping Motors:
 1. Pushing the joysticks into 5 & 7 o'clock position again, motors stop working.
 2. The motors will stop working if the motors starting are not operated after 20 seconds.
 3. Pull down the throttle stick (Left joystick) for 2 seconds to cancel the motor unlocking.

All LEDs on the front arms and rear arms, you are ready to fly!

- Blue (rear) and Blue (front) lights are all solid (no blinking).
- App aircraft status: "Ready to fly".

LITHIUM BATTERY

Press the buckle and take out the battery from the aircraft.



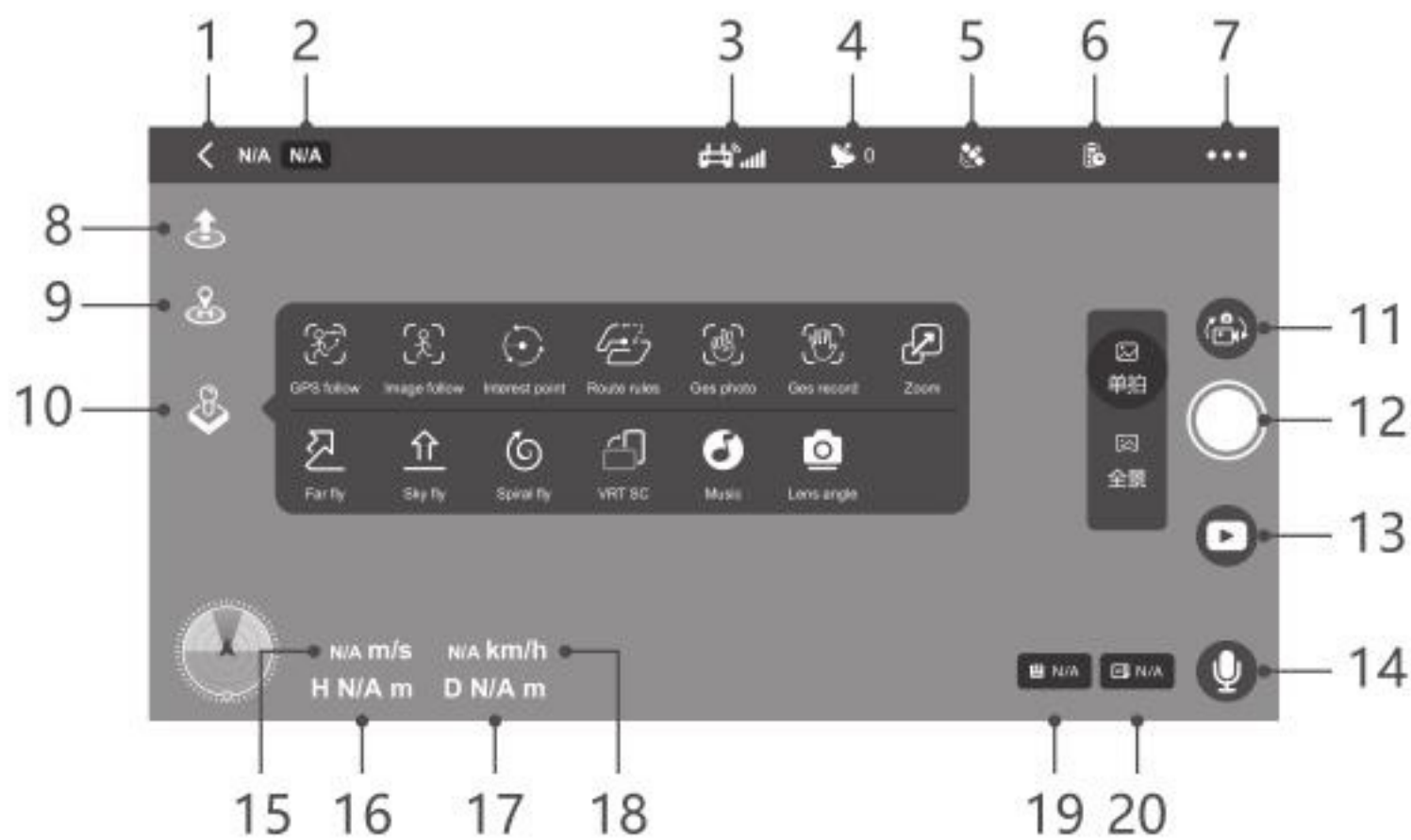
It is recommended to use the 5V–20V \equiv 30W (Charger Not Included)
Quick Charge supported

LITHIUM BATTERY CHARGING INSTRUCTIONS

1. Either power on or power off, the aircraft can be charged. Connect the USB-C charger to an DC power supply, and then connect with the charging port of the aircraft, when in charging, the indicator on the aircraft will become Blue blinking; All indicators keep solid on means charging completed.
2. Aircraft can be charged by the mobile power or car-loaded power.
3. Charging time of aircraft takes about 120 min; operating time takes about 40 min.

APP INTRODUCTION

Wait until the aircraft Status says “Ready to Fly” before initiating flight. This will ensure that your GPS is synced and your aircraft is ready to fly.



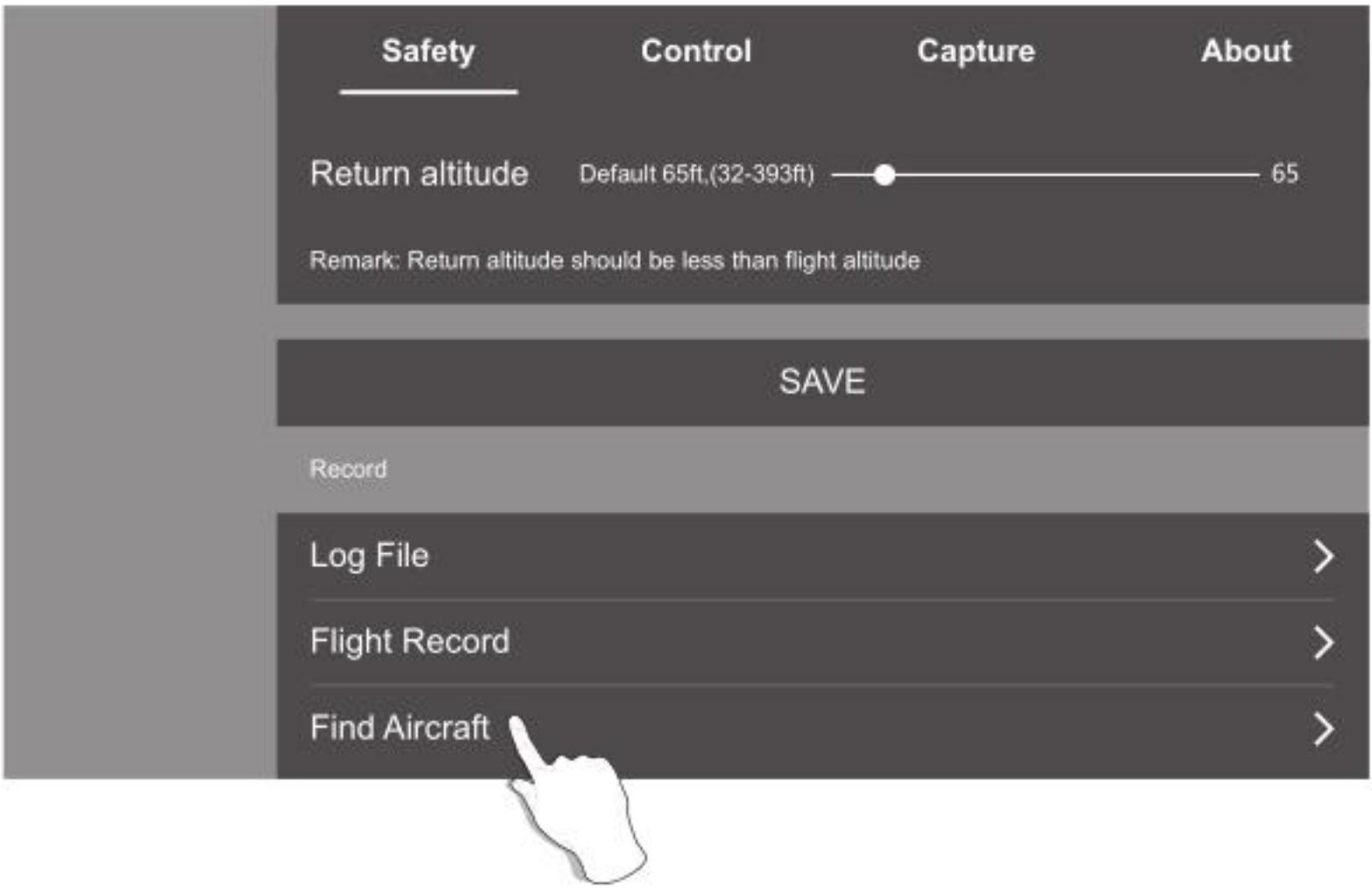
- . Back to Main Menu
- . Message
- . Remote Signal
- . Remote Signal
- . Aircraft Battery
- . Setting
- . Auto Take-off
- . More Functions
- . Shutter
- . Gallery
- . Ascending speed (Meters)
- . Height (Meters)
- . Distance (Meters)
- . Horizontal Speed (Meters)
- . Storage of Remote Controller

CONSTANT SPEED CRUISE

Control the aircraft forward, backward, left-side or right-side by the direction joystick (right joystick), press the constant speed cruise function then release the direction joystick (right joystick), now the aircraft will fly in the direction of the current speed gear.
Trigger the function button again to exit the constant speed cruise function. This function can only be used after the successful search of stars.
It will be automatically exited when the flight height lower than 15 meters.

2. HOW TO SEARCH THE LOST DRONE

- ① Continue to click **Find Aircraft >** to open the MAP surface to search the aircraft.



- ② Please take the remote controller to outdoors and connect the internet to download the Map to the APP, otherwise the Map cannot be downloaded under the Stars Searching circumstances.



3. FLIGHT

The Default GPS Mode is BEGINNER MODE:






- 1.Flight Distance is between 0-30 M.
- 2.Flight Altitude is between 0-30 M.
- 3.RTH Altitude is under 20 M.

You can Turn-off the BEGINNER MODE to set the parameters in the APP from the smart phone.



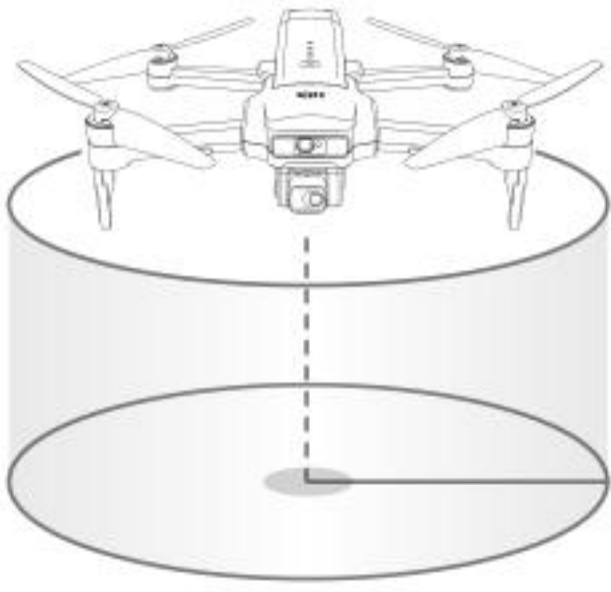
AIRCRAFT FUNCTION PROFILE


1. WAY POINT FLIGHT

- Make sure the internet of the remote controller is connected, enter into the , download the Map in the remote controller, then you can view the Map in the remote controller.
- Click  on the App, then you can find a BLUE CIRCLE (LIMITED FLIGHT RANGE)/TAKE-OFF POSITION/AIRCRAFT CURRENT POSITION on the map, mark the points (16 points at most) you plan to fly within the RED CIRCLE range on the map. If you would like to reset the points or flight route, click  or . Click , confirm to start Way Point Flight. Pushing the Right Joystick to cancel the Way Point Flight Function.

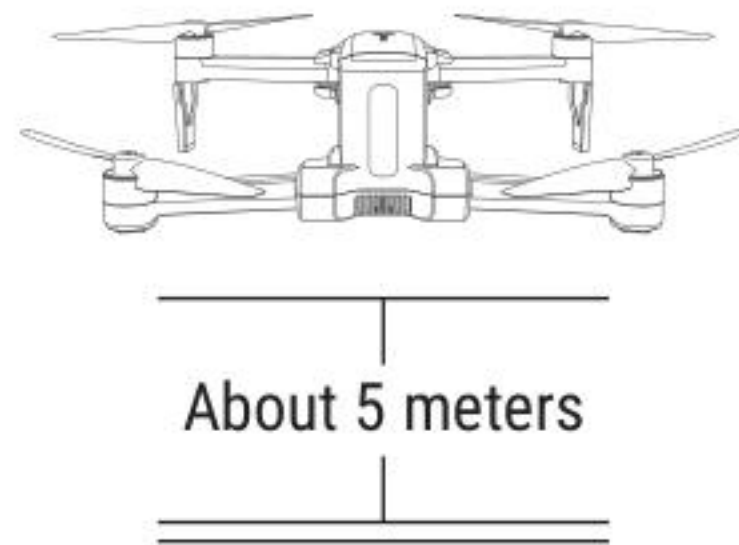
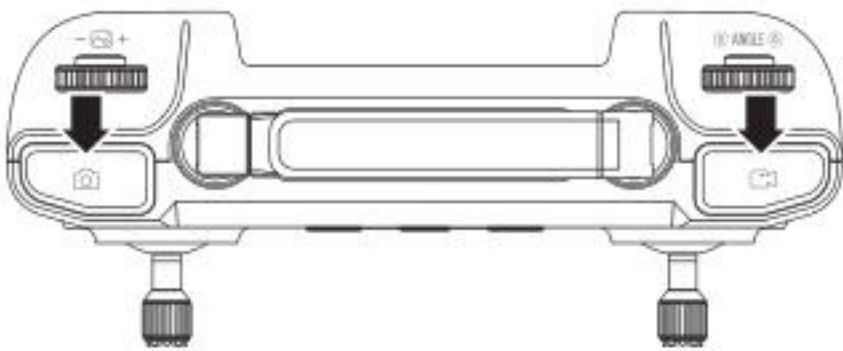





2. POINT OF INTEREST



1. Hover the aircraft at the center point to be surrounded.
2. Select the surrounding radius on the APP, and slide to flight.
3. When circling, you can control the left or right direction lever to change the clockwise flight or counterclockwise flight of the aircraft.
4. When circling, you can control the forward direction lever or the backward direction lever to change the circling radius of the aircraft.
5. Click the  icon again on the APP to exit the Surround Function.

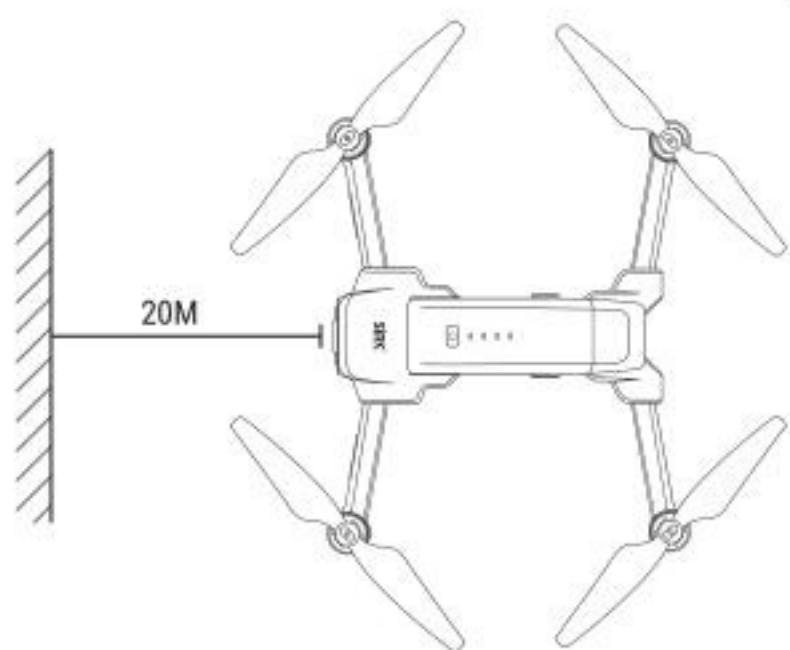
3. EMERGENCY STOP



-  1. Keep pressing the  and  synchronously for 3 seconds to emergency stop. It is activated if the flight height of aircraft within 5 meters; otherwise, it is not activated. Only stop motors mid-flight in Emergency Stop function will be only activated in emergency situations to reduce the risk of damage and injury.
2. When the aircraft starts to return to home (RTH) with flying against the wind in low battery, and there is no way to safely land to the take-off point, the one-button landing function on the APP can be triggered, and the landing point can be manually selected during the aircraft landing process. The aircraft will continue to perform the descent function after the remote controller signal disconnected when the aircraft is descending.

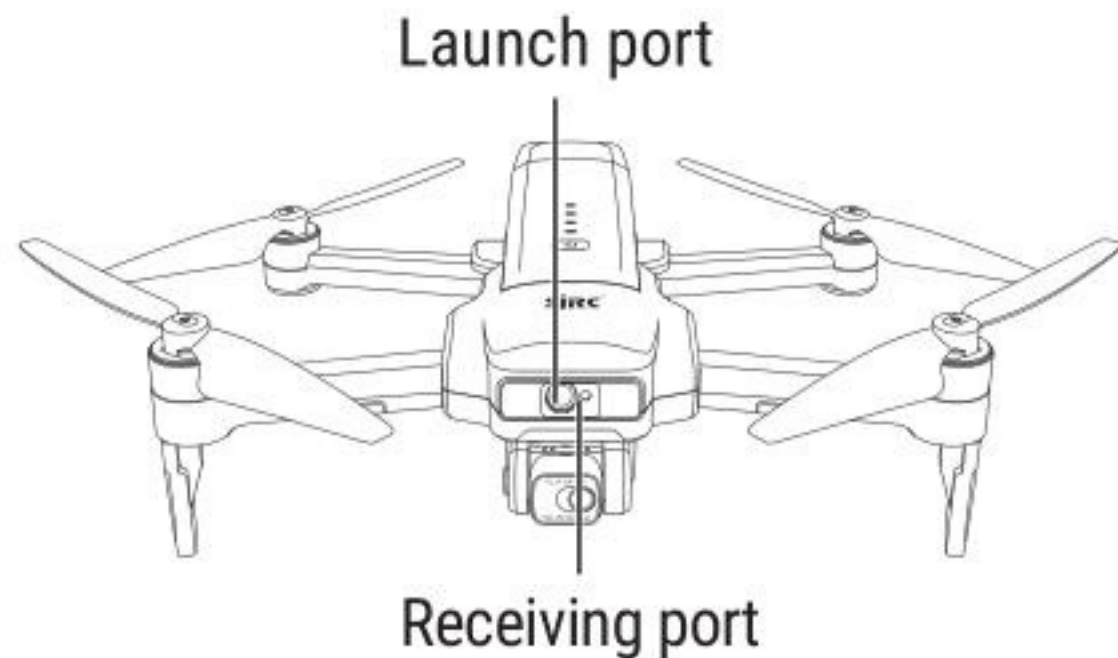
8. OBSTACLE AVOIDANCE

1. The valid scanning range is dead ahead 20 meters between the aircraft and obstacle.

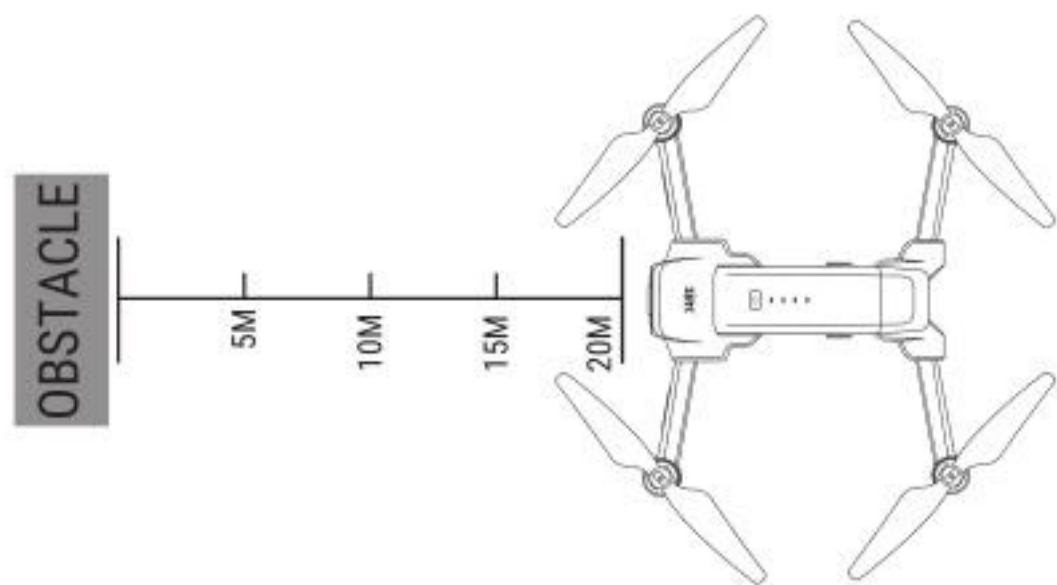


Note: The ideal obstacle avoidance target is a whole wall. When facing environments such as leaves and glass, aircraft may experience obstacle avoidance failure and collision problems. When facing strong light or heavy fog, aircraft may receive obstacle avoidance prompts indicating that they cannot fly forward. And this is a normal phenomenon.

2. Operation principles of obstacle avoidance: Pulse signal is sent out by the transmission port. The pulse signal is received by the receiving port after the pulse signal returns once the obstacle found within the scanning range. The forward stop command is sent out after the distance between aircraft and obstacle is obtained by a series calculations.



3. The position of the aircraft stop to go ahead depends on the flight speed. When the aircraft flies dead ahead in low speed, forward stop command starts to sent out after the obstacle is scanned at the distance of 20 meters to the aircraft. The obstacle avoidance distance of the aircraft and obstacle is shorter if in high speed. Otherwise,it will be longer (20 meters at most).



COMMON SOLUTIONS

- . The mobile device and remote control cannot be connected.
Check the status of control signal icon on the APP if changed.

- . The aircraft hovers unsteadily.

- ① Change the flight area. Please DO NOT fly near high buildings or signal towers.
- ② Conduct aircraft compass calibration and horizontal calibration.
- ③ Judge whether the strong wind affects the flight or not.
- ④ Judge whether the fan blade and the arm are deformed or not.

- . The battery cannot be charged.

Re-plug and unplug the charger or re-load and unload the battery.

- . Short flight time.

Overcharge or discharge the battery, also the battery life reducing can be caused by the high-temperature environment. It is recommended to store the remaining 60% of the battery power and recharge it fully before using.

- . Excessive inclination angle or abnormal problem of the UAV PTZ checking.

- ① Re-start the aircraft on the flat ground to PTZ calibration.
- ② Check the PTZ status if it works or not.
- ③ Choose the“...”on the APP to restore the PTZ to original factory setting.

- .PTZ initialization fails

Please take the PTZ protection cover off before turn on the power of the aircraft, then put it on the flat ground to PTZ calibration.

SPECIFICATIONS

● Aircraft

Weight (Including Battery): 620g/21.1oz

Flight Time: About 40 min

Motor Model: 1806

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

Dimensions (LxWxH): Unfolded: 35x35x8.3 (cm)

Folded: 20.2x10.7x8.3 (cm)

● 5G Transmission

Operating Frequency: 5.15-5.25GHz; 5.725-5.825 GHz

Supported Transmission Protocol: 802.11a

Video Transmission Frame Rate: 30FPS

● Signal Transmission:

Strong Interference : Approx. 0.5-1 km

Medium Interference : Approx. 1-3.5km

No Interference: Approx. 3.5-6 km

Data is tested under different standards in open areas free of interference.

It only refers to the maximum, one-way flight distance without considering

Return to Home. Please pay attention to RTH prompts in the SJ F PRO app

during actual flight.

- Remote Controller

Operating Frequency: 5G

Max operating distance: Up to 6km (Outdoor and Unobstructed)

Battery: 2500mAh Li-polymer

Charging time: about 2.5 hours

Operating time: about 4 hours

Operating Voltage: 7.4V

Mobile Device Holder: 4.7" to 6.7" Smart Phones

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

- Intelligent Flight Battery

Capacity: 3500mAh

Voltage: 11.1V

Battery Type: Li-polymer

Energy: 38.85Wh

Net Weight: 245g / 8.6oz

Max Charging Power: 30W

Max Charging Time: About 120 min (Depending on Charging Power)

Charging Temperature Range: 32° to 104° F (0° to 40° C)

- Charging cable: USB-C

Voltage: 5V \equiv 3A 20V \equiv 1.5A

Rated Power: \leq 30W