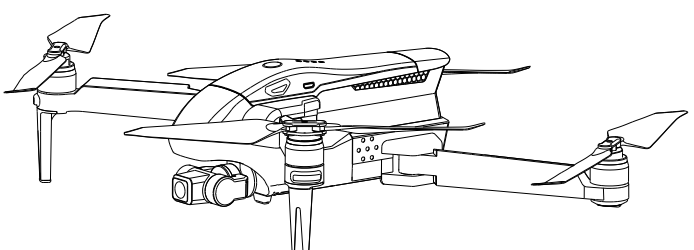
SIMREX®

X20

QUICK START GUIDE



14+ age

www.simrex.com.cn

English
01 - 08

Attention

Please read the " Quick Start Guide" carefully before the flight for the first time

Important Note:

1.Calibrate the inner compass (X & Y axes) before first fly or fly at a new place.
2.On GPS Mode, the drone can't take off indoor, since there is no enough GPS satellite signal indoor.
3.You may test the drone indoor by switching to Manual Mode and operate very carefully, however, for security purposes, Manual Mode is only recommended in emergency.GPSLocation &Auto Return are not available under Manual Mode.
4.Please use TF card, with more than 32 GB to 128 GB of storage. 64 GB TF card is recommended to use.
5. If the Auto Return Function is not work on the Controller, please press Auto Return on the Phone APP.
6. If the Auto Return not work both on Controller and Phone APP caused by the compass disturbed,please switch to Manual Mode immediately,and recalibrate the compass after landing.

Note: Remove the PTZ protector before powering on.

Initial use statement

This product has a certain degree of risk, and improper operation may cause harm to the operator, nearby people and property. Please read this document carefully before using this product. Once you use this product, you are deemed to have understood, recognized and accepted all the terms and contents of this statement.
The user promises to be responsible for his actions and possible consequences. "Shenzhen Jiandan Zhijie Techology Co.,Ltd(Shenzhen SIMREX Techology Co.,Ltd)" shall not be responsible for direct or indirect personal injury and property damage compensation caused by using this product without following the safety guidelines and user manuals.

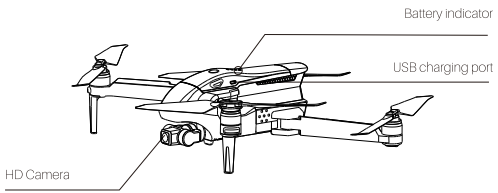
Warm Tip:

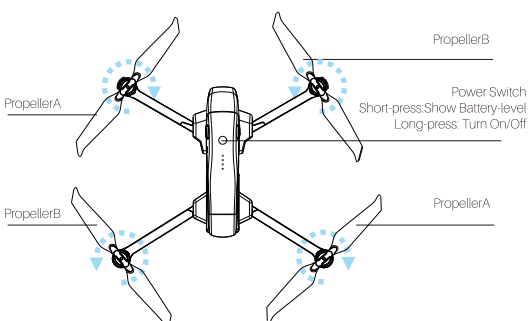
Note: An aircraft is only allowed to connect one App at the same time.

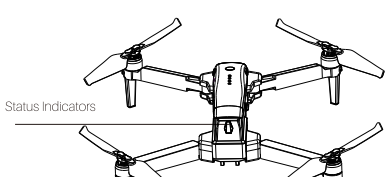
Precautions for safe use of batteries

- Do not throw the battery into fire or place it in a high temperature place.
- Please use the charger provided by our company to charge and stay away from flammable materials.
- Do not short-circuit the positive and negative terminals of the battery, and avoid any conductors in the place where the battery is stored.
- Do not hit or puncture the battery, and do not use the battery once it is found to be swollen.
- Do not over-discharge for a long time, the battery performance will be impaired due to low power.
- The battery is suitable to store in room temperature, and a dry environment is the best. If the battery leaks and contacts your eyes and skin, please rinse immediately with plenty of water and seek medical help. In low and high temperature environments, the battery capacity will be affected.
- Use the battery strictly in accordance with the company's user manual.

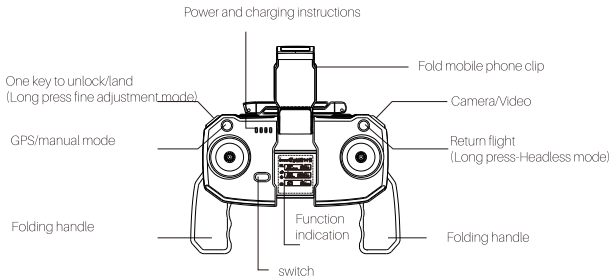
1.0 DRONE'S DETAILS

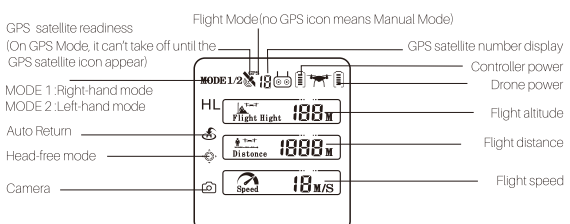






2.0 TRANSMITTER DETAILS





3.0 APP Operation Instructions

Scan QR code to download and install control software for iPhone and Android Phone.

Google Play/ App Store

Be sure to scan QR code to watch video before operation.

Operation Instruction Video

Precautions for product use

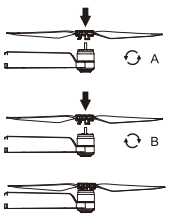
- The product is not suitable for children under the age of 14.
- Please use the original accessories of our company, and will not be responsible for all losses caused by using any non-original parts.
- Please read the user manual carefully to understand how to use the aircraft before performing flight operations. If the product is not operated correctly, it may cause injury to yourself or others, or cause product damage and property loss.
- When the equipment is abnormal and cannot be used, please do not disassemble and repair it privately. For after-sales service, please contact customer service.

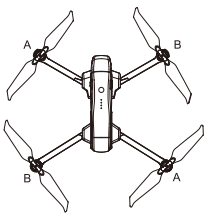
Flight safety summary

- Please choose a relatively spacious space as the flight field, and do not touch the propeller with your hands during flight.
- Do not control the aircraft to crash into others, and do not fly around young children and pets.
- Do not fly the aircraft over open flames or high-temperature heat sources such as fireplaces and ovens.
- Do not fly the aircraft into the water or land on the water.
- Do not control the aircraft indoors to fly through the windows to outdoors.
- Do not fly in a strong magnetic environment.
- Fly with caution when the indoor GPS signal is poor.

4.0 PROPELLER INSTALLATION

1. Distinguish the position of the A or B blade corresponding to the aircraft according to the illustration.
2. Align the blades with the motor shaft on the aircraft and press down to the end, and then rotate it into place to let the blades snap onto the motor base (A propeller rotates counterclockwise, B propeller rotates clockwise).



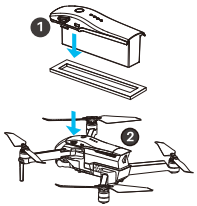


5.0 CHARGING BATTERIES

Step1: Pick up the battery shell and remove the battery protector.

step2: To power on, press and hold the power button for 2s.

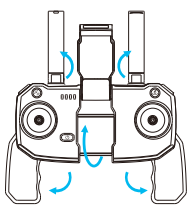
Note: Please fully charge the drone and controller before first use.



ⓘ Do NOT turn on the power without removing the PTZ protector.

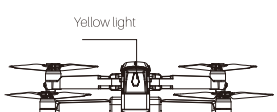
6.0 REMOTE CONTROLl

1. The first step is to expand the antenna,
2.The second step is to expand the handle,
3.The third step is to expand the display screen upwards.



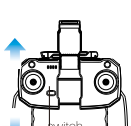
7.0 Remote control and aircraft binding

Take the drone to wide-open space, turn on the drone and controller, push the left stick up and down for binding successfully , then you can calibrate it.



1.Put the battery into the aircraft, place it on a level ground, and turn on the power of the aircraft. At this time, the aircraft will automatically enter the frequency-matching state, and the tail lights of the aircraft will flash quickly.

2. Turn on the remote control and hear a drip, the left-hand throttle stick is pushed up to the top and then pulled down to low, the remote control makes a beep again, the frequency is successful, the tail indicator of the drone truns red and green flash alternatively, enter the star search state.

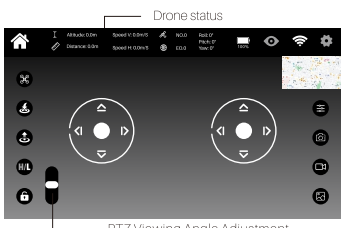


8.0 Instructions

8.1 Connect to WiFi

Turn on the wifi hotspot of the mobile phone, search for the name of the wifi hotspot at the beginning of "SIMREX-X20" and connect it, and then open the control software. At this time, the mobile phone can be clipped on the mobile phone holder for image transmission, and can also directly control the aircraft.
(In GPS mode, the GPS can only be used to control the aircraft.)

8.2 Control interface diagram



H: 0.0m Flight height

D: 0.0m Flight distance

S: 0.0m/s Horizontal speed

V: 0.0m/s Vertical speed

return

Flight mode

Camera settings

Aircraft parameter settings

Number of GPS

One-key return

Taking pictures

Waypoint planning

Aircraft powe

one key to take off/landing

Taking video

Points of around

Joystick hide/show

High speed / low speed switching

Photo Gallery

Follow

WIFI Signal strength

Unlock/Lock

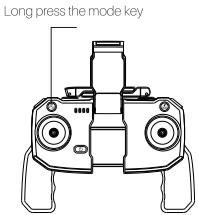
MV

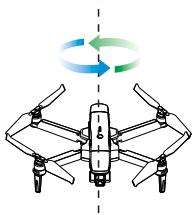
Exit mode

T-Flash

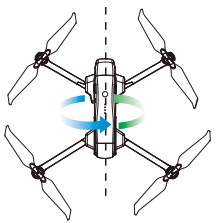
9.0 CALIBRATION MAGNETIC SENSOR

- Long press the mode button, the remote controller beeps and the aircraft's taillight is solid red, starting the calibration.
- The aircraft rotates 360 degrees horizontally to calibrate the X axis.After the aircraft lights green, the xaxis calibration completes the aircraft head rotating 360 degrees upward.
- After the aircraft's rear lights return to the state of green light flashing slowly (with stars)or red ligh green lights alternately flashing slowly (search for stars), calibration is completed.





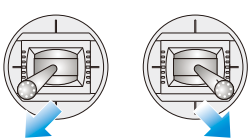
X-axis calibration,
aircraft horizontal rotation



Y-axis calibration,
aircraft horizontal rotation

10.0 Start your first flight

1. Place the connected aircarft horizontally on the ground ensure that the tail of the aircraft is facing you and the head of aircraft is at the front.
2. As shown in the figure, at the same time, move the joystick to the lower left corner and the lower right corner respectively, and the motor starts.
Again, as shown in the figure, the rocker is used to emergencyly close the motor.



Left Right

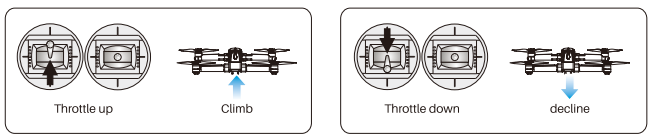
Special Note:

1.For the first flight, it is recommended to recalibrate the magnetic compass to ensure the flight is stable.
2.The calibration needs to find a flat site, to ensure drone on the flat ground.
3.After the drone enters the horizontal calibration procedure, it is necessary to keep the drone stationary until the calibration is successful.

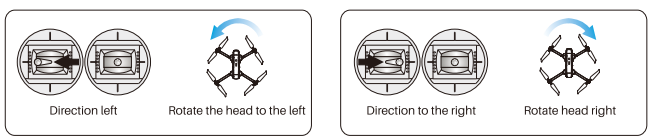
11.0 First flight command

Aircraft operation method:

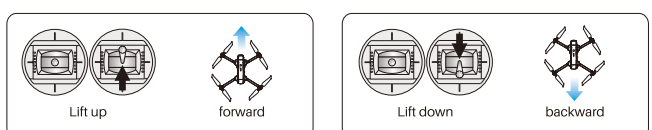
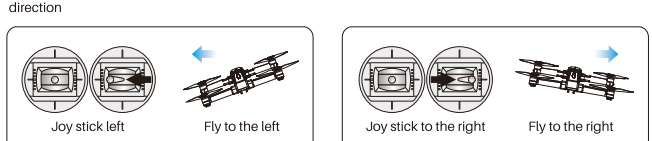
accelerator



direction



Lift



direction