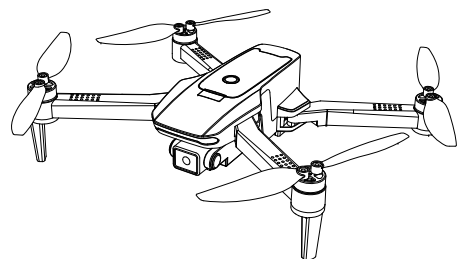
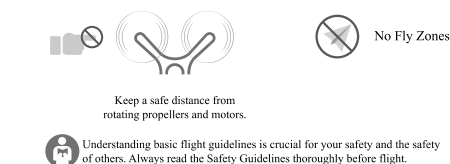
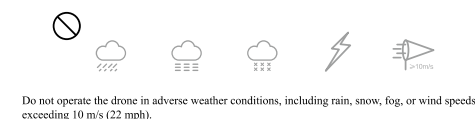
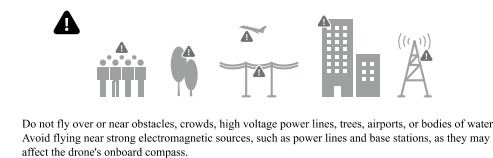
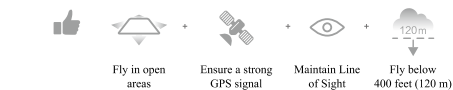


# Drone

## User's Manual



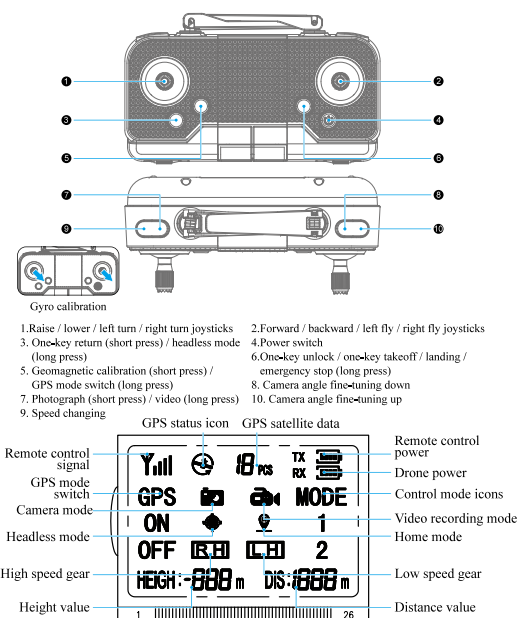
### 1.Fly Safety



Understanding basic flight guidelines is crucial for your safety and the safety of others. Always read the Safety Guidelines thoroughly before flight.

1

### 2.Function Keys Descriptions of Remote Control

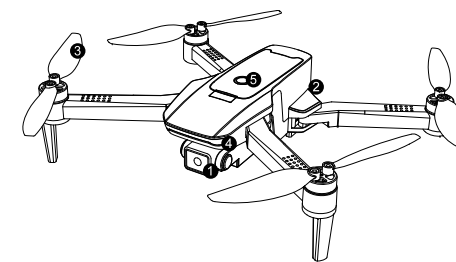


#### Special note:

- When the power switch is short-pressed, it will turn on; when long-pressed, it will turn off.
- Indoor mode (Optical flow mode) / GPS mode switching: The drone defaults to GPS mode at startup. Switch to indoor mode for normal takeoff during indoor flights; no switch is needed for outdoor flights.

2

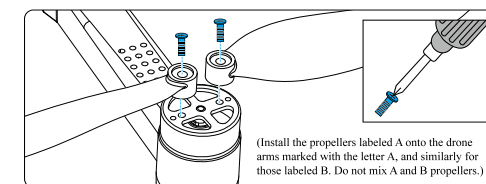
### 3.Drone Components



1.HD Camera 2.Battery 3.Propeller 4.LED Indicator 5.Power Switch

#### Propeller mounting

Please remove the screw and replace the propellers as shown in the picture below. Make sure all the propellers are in the correct position; if they are not installed correctly, the drone will not be able to fly normally.



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### 4.Charging Instructions of the Lithium Battery

- Press the battery module at the rear of the drone and pull it out of the battery compartment. (Figure 1).
- Insert the USB charging cable plug into the USB power socket. Then connect the other end to the charging socket of the Li-ion battery module. When charging, the red light is on; when fully charged, the red light turns off. (Figure 2).
- After charging, install the lithium battery module into its compartment. (Figure 3).

Special Note: Please fully charge the battery before flight.

Low-pressure warning: When the drone enters the low-pressure alarm, the fuselage light will flash slowly, indicating that the drone is running out of power. Return to home immediately.

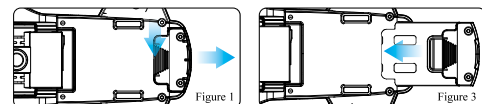
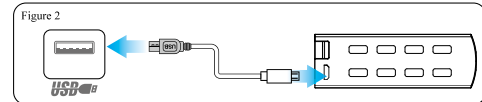


Figure 3



### 5.Remote Control Battery Installation

- Remove the battery cover from the back of the remote control.
- Install three 1.5 "AA" batteries into the remote control, ensuring they are inserted according to their correct polarity. (Fig. A) Do not mix old and new batteries or different types of batteries.
- Replace the battery cover.

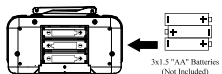


Fig.A

#### Precautions:

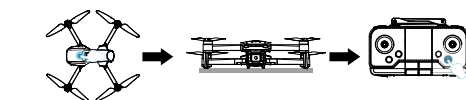
- Do not place batteries near high heat sources, such as open flames or heaters, as they may cause damage or explosion.
- Never strike or drop the battery on a hard surface.
- Do not disassemble the battery.
- Do not immerse the battery in water. Store the battery in a dry place.
- Do not leave the battery unattended while charging.

### 6.Flight Operation Guidance

#### A.Drone Pairing

Please make sure to fully extend the arms of the drone. Turn on the drone and the remote control. Place the drone on a horizontal surface. The remote control will emit a 'beep' sound and the drone's body light is flashing, signaling it has entered the automatic frequency pairing state. When the light becomes steady, pairing is successful.

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#### B.Gyro Calibration

After pairing with the remote control, the drone needs to be calibrated. Push both joysticks on the remote control to the bottom right corner simultaneously. At this point, the drone indicator lights will blink rapidly. Wait for the indicator lights to stabilize and then return the joysticks to neutral position. Calibration is successful.

Note: In order to calibrate, the drone must be placed on a level surface.

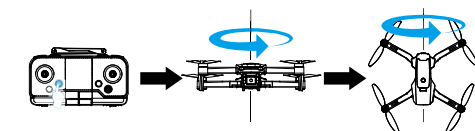


#### C.Geomagnetic Calibration

Short press the "Geomagnetic Calibration" key. The remote control will make a "beep" sound, and the front and rear lights of the drone will turn off, indicating it has entered geomagnetic calibration mode.

- Rotate the drone in a horizontal direction. The fuselage front light comes on (the remote control will make a beep), and the horizontal calibration is successful.

- After the horizontal calibration is successful, then rotate the drone upright and the rear light of the fuselage lights up (the remote control emits two beeps), completing the calibration process.



#### D.GPS Star Searching

After the gyro and geomagnetic calibrations are successfully completed, the headlights will flash at a moderate speed. At this time, place the drone on an open horizontal surface until the headlights turn on (the process takes a few minutes) indicating the star search is successful. Then it can take off normally.

Special Reminder: If the star search is unsuccessful (the headlight does not turn on), it means the drone is still in optical flow mode, and it is not recommended to take off outdoors.

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#### E.Drone Unlock

Before the drone takes flight, it needs to be unlocked by activating the "Unlock" function on the remote controller, or by simultaneously pushing both joysticks outward and then back to neutral as shown in the diagram. Successful unlocking is indicated by all four propellers spinning simultaneously.



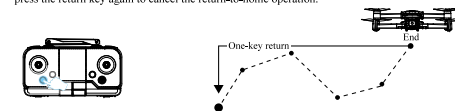
#### F.One-key Takeoff and Landing

Once unlocking is completed, press the "One-key Takeoff/Landing" on the remote control. The drone will automatically rise to a height of about 2 meters and will maintain smooth flight at this altitude. When you press this key again, the drone will automatically land slowly to the ground.



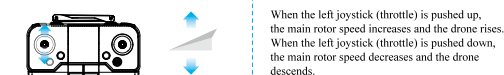
#### G.One-key Return

During flight, press the "One-key Return" key to initiate the return-to-home function. After activating this feature, the drone will return directly to the take-off point. During the return flight, press the return key again to cancel the return-to-home operation.



Before taking off, please follow the steps in the above sequence: Pairing (Ref. A) → Gyro Calibration (Ref. B) → Geomagnetic Calibration (Ref. C) → Drone Unlock (Ref. E) → One-key Takeoff and Landing (Ref. F) → One-key Return (Ref. G)

### 7.Control Method of Remote Control



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When the drone is within 100 cm (3.3ft) of the ground, it may become unstable due to the propeller vortex. This phenomenon is known as the 'Ground Effect.' The lower the drone's altitude, the more pronounced this effect becomes.

### 8.Solving Guidelines for Common Problems

Problems	Reason	Solution
Drone indicator flashes and does not respond to the remote control	1.Drone fails GPS star searching. 2.Drone battery is low.	1.Move the drone to an open area and attempt GPS search again. 2.Charge the battery.
Drone propellers rotate but it fails to take off.	1.Battery charge is low. 2.Propeller deformation.	1.Charge the battery. 2.Replace the propeller.
Drone vibrates excessively.	Propeller deformation.	Replace the propeller.
Despite full fine-tuning, the drone still flies erratically.	1.Propeller deformation. 2.Motor failure.	1.Replace the propeller. 2.Replace the motor.
After an impact, restarting the drone restores normal flight control.	Triaxial acceleration sensor loses balance due to impact.	Position the drone on a flat surface for 5-10 seconds, or recalibrate the gyroscope.

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## 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.

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

**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.

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