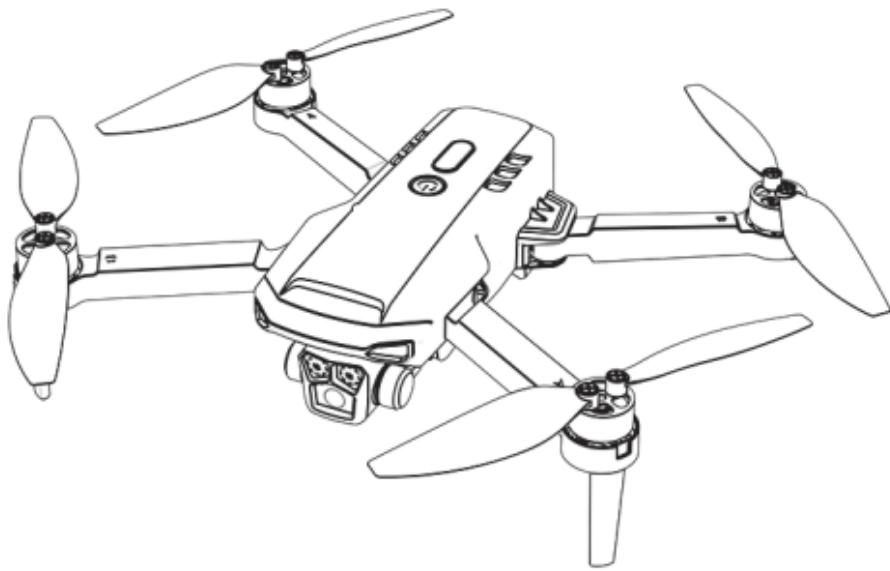


AGE: 14+

F168 DRONE USER MANUAL

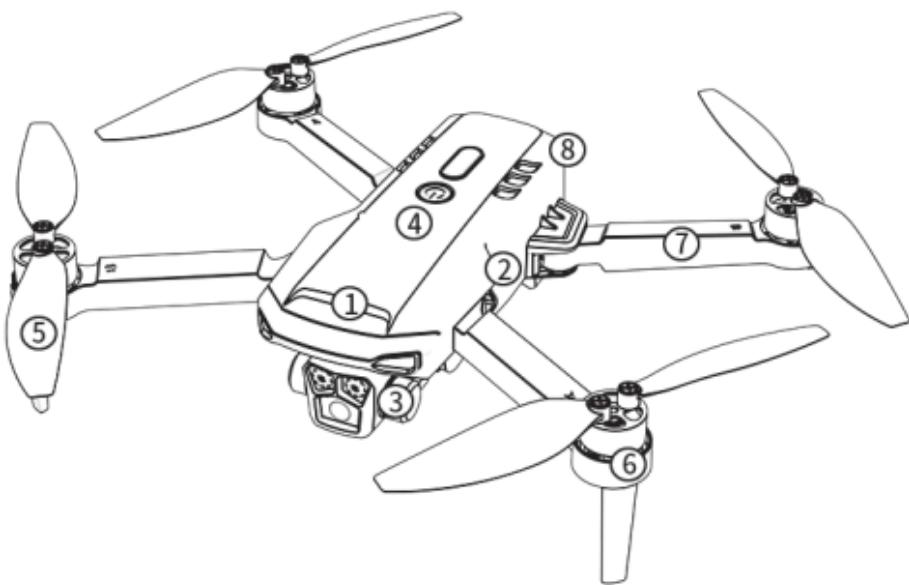


*Please read this manual carefully before operation and keep it properly for future reference.

operating Tutorials

KNOW YOUR DRONE

With 2.4G frequency band for long remote control distance, Drone allows multiple flights at the same time without any intererence. User can control it to fly, hover and take photos/videos with APP and WIFI connection on smart phone.



① Upper Casing	② Lower Casing
③ Camera	④ ON/OFF
⑤ Propeller	⑥ Motor
⑦ Arm	⑧ Battery

PRE-FLIGHT PREPARATION

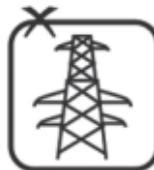
1. FLIGHT ENVIRONMENT



Indoor: Spacious spaces away from barriers, crowds or pets are preferred.



Outdoor: Sunny, windless and breezy weathers are preferred.



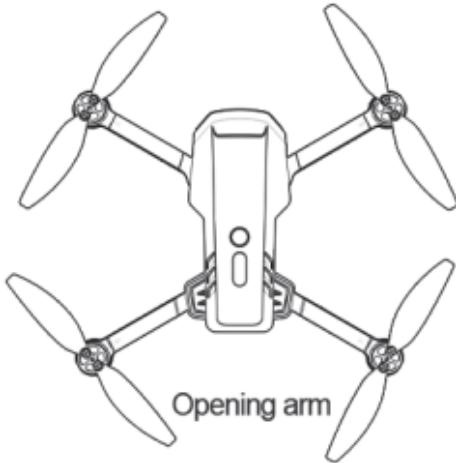
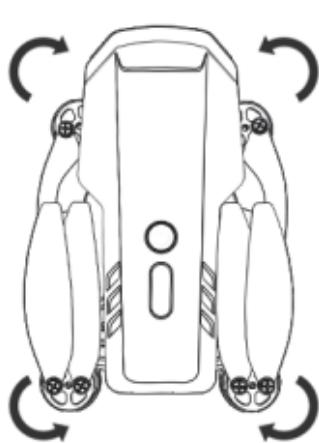
Please keep the dome in sight during the flight and keep away from barriers, high-tension cables, trees and people.



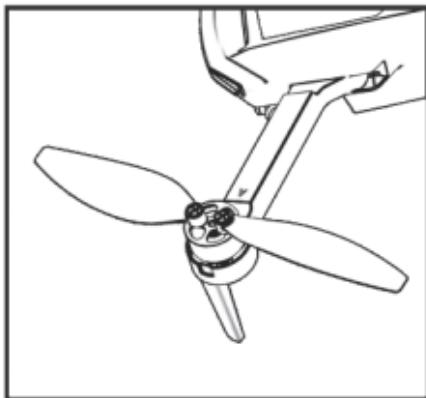
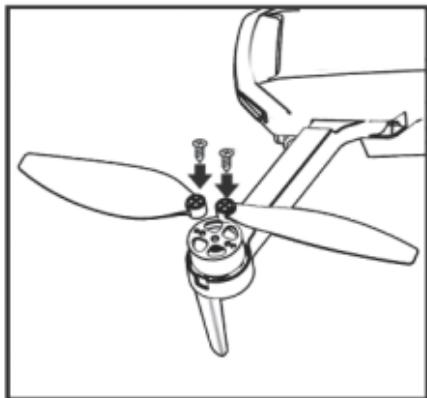
Do not fly in extreme environment.such as hotness, coldness, strong wind or heavy rain.

2. OPEN THE WINGS OPENING STEPS:

- ① Open the front arm (close to camera)
- ② Open the back arm, Fold the back arm firstly and then the front arm when folding.

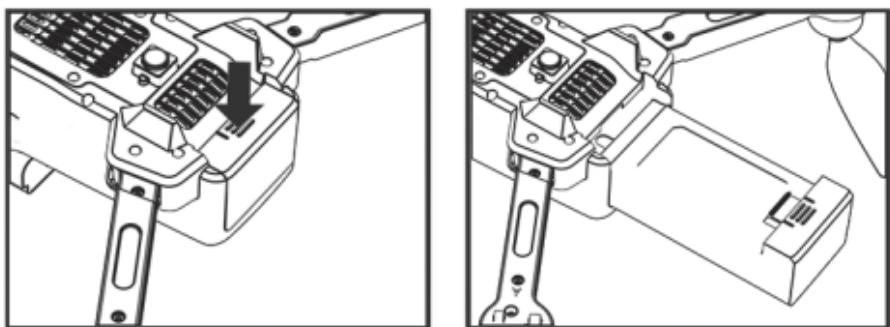


4. ASSEMBLING PROPELLERS

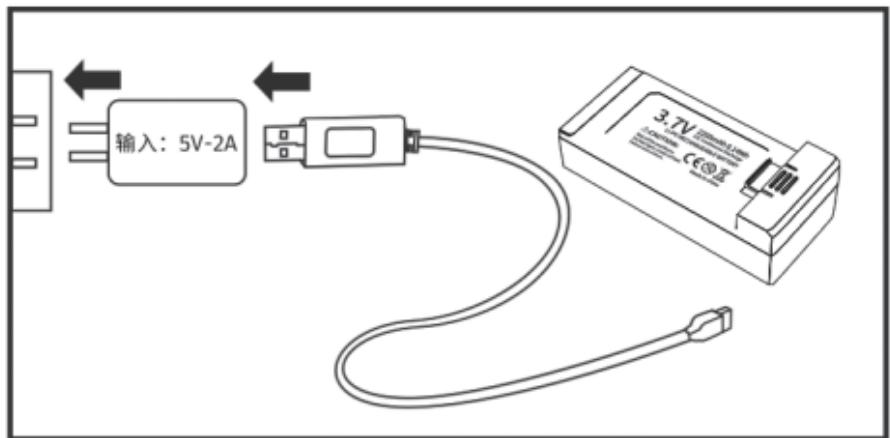


Align the blade with the blade hole (the identification of the arm should be consistent with that of the blade) and tighten the screws clockwise.(Adapters are purchased separately. The replacement of damaged blades should also be identified according to AB blades.)

5. BATTERY CHARGING FOR DRONE



Remove the lithium battery from the bottom of the drone.



Connect USB charging cable with the charging interface of the lithium battery.(Adapters are purchased separately).

Notes :

Before using the drone, the battery needs to be fully charged. When charging, the red light will turn off, and when fully charged, the light will turn off. The charging time is about 200 minutes.



BATTERY INSTRUCTIONS

- 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 and take full responsibility of using battery improperly.
- If battery leakage occurs, please avoid contacting your eyes or skin with electrolyte. Once it happens, please wash your eyes with clean water and seek medical care immediately.
- Please remove the plug immediately if you sense any peculiar smell, noise or smog.

Battery Charging

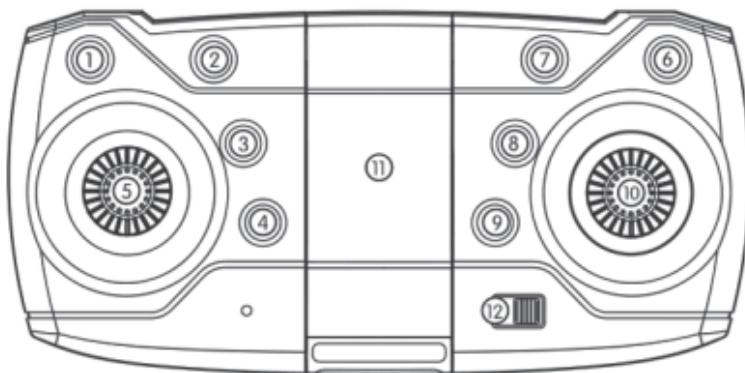
- Please use the charger from original factory to ensure your safe usage.
- Do not charge dilapidated or outworn battery.
- Do not over charge battery. Please unplug the charger once fully charged.
- Do not charge the battery next to inflammables, such as carpet, timber floor or wood furniture or in the surface of electro-conductive objects.
- Do not charge battery which has not cooled down yet.
- The charging temperature should be between 0C to 40C.

Battery Recycling

- Do not dispose the battery as daily rubbish. Please familiarize yourself with the local garbage disposal method and dispose it according to the special requirement.

KNOW YOUR REMOTE CONTROL

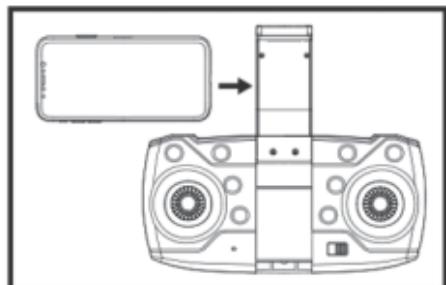
Parts of remote control



- ① Short press speed switch
- ② Camera left adjustment
- ③ Camera right adjustment
- ④ One-key take-off/landing
- ⑤ Left joystick
(up/down/left turn/right turn)
- ⑥ Short press stunt roll
- ⑦ Camera up adjustment
- ⑧ Camera down adjustment
- ⑨ Short press the switch light, long press the obstacle avoidance function
- ⑩ Right joystick (forward/backward/left-side fly/right-side fly)
- ⑪ Phone support
- ⑫ ON/OFF

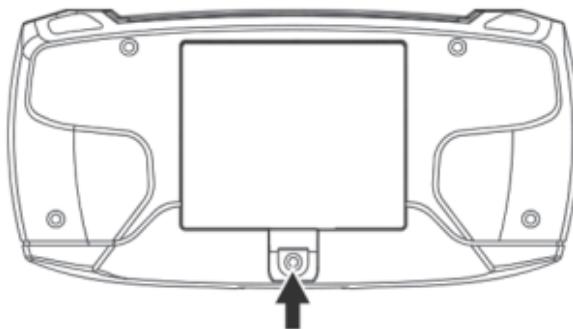
MOBILE PHONE INSTALLATION

1. Open the mobile phone bracket on the remote control.
2. Install the mobile phone on the mobile phone bracket.

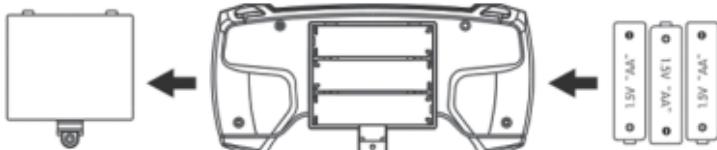


BATTERY INSTALLATION

1. Open the remote control battery cover



2. Remote control battery installation



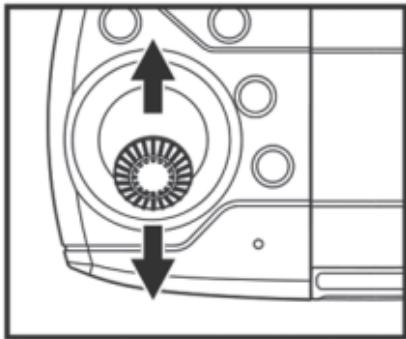
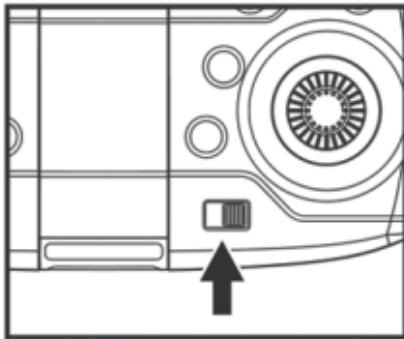
As shown in the figure, to identify the positive and negative terminals and install the battery correctly.(Batteries need to be purchased separately)

Notes :

1. When installing a battery, it is necessary to identify the positive and negative poles of the battery, and do not install the battery upside down.
2. Please do not mix old and new batteries together.
3. Please do not mix different types of batteries together.

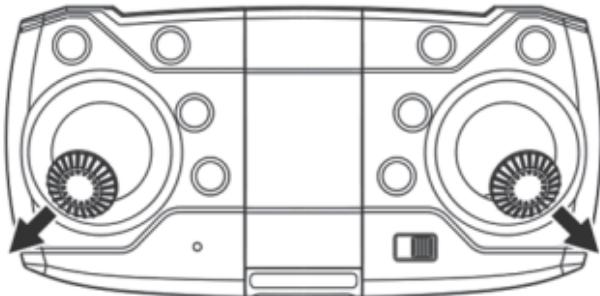
FREQUENCY ALIGNMENT

1. Turn on the drone and place it on a level surface , the indicator light of transmitter and the LED of drone flashing.
2. Push the throttle joystick to the highest point the push back to the lowest point , and when you hear two beeps , the indicator light of transmitter and the LED of drone become normally on, the signal connection as completed.



TRANSMITTER CALIBRATION

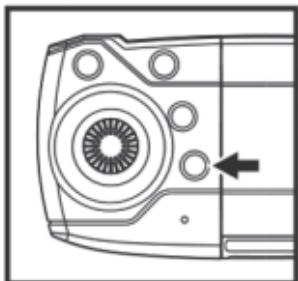
If the aircraft cannot rise vertically after taking off, it can be corrected by pulling the left and right joysticks into an outer eight at the same time with a sound of Di and the indicator light flash quickly to long-rem on, the calibration is completed , When executing the correction command, the aircraft must be placed in a smooth state parallel to the horizontal line, otherwise the correction effect will be affected (The drone needs to be calibrated before take-off)



START YOUR FLIGHT

1. One key take-off/landing

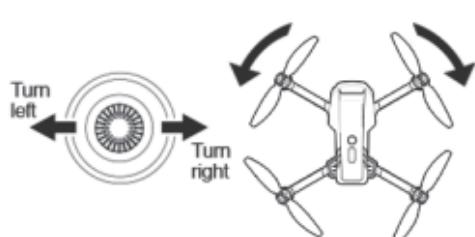
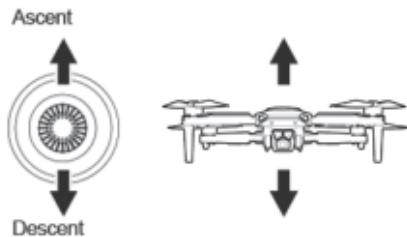
Press the button of One key take-off/landing, the aircraft blades turn, and it will automatically fly to a height of about 1.5 meters. Press the button again to landing on the ground.



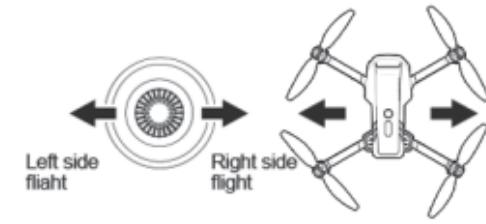
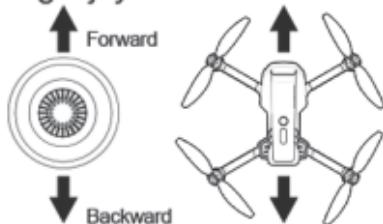
2. Basic Flight

Use the left joystick to control the flight altitude and turn left/right, and the right joystick to control the forward, backward, left and right side flight directions.

Left joystick



Right joystick



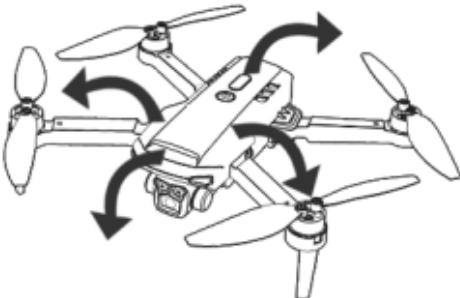
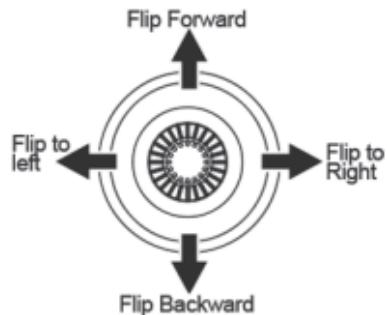
LIGHT SWITCH LIGHT

Press once to enter "breathing mode" for automatic color switching of the light, then press againOnce, the light is turned off.

FLIPS & ROLLS

When the drone is reaching more the 3 meters high, click "360° flips and rolls" and move the right joystick to a certain direction the drone will rotate in that direction.

Right joystick
(forward/backward/left-side fly/right-side fly)



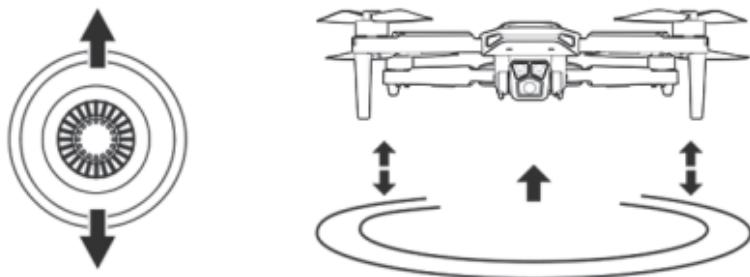
HEADLESS MODE

Adjustment, the drone defaults to the normal mode with the indicator light steady on. When press the headless mode button on the remote control, the remote control emits a sound of Di to indicate that enter the headless mode. (It needs to face the drone to open the headless mode.) And then press the button again with a long sound of Di to exit headless mode. It does not need to identify the nose direction of the drone, but only controls the aircraft according to the direction of the remote control.

HOVER

When you release the left joystick (throttle) after the ascent/descent action, the drone will hover at a certain height.

Left joystick (up/down/left turn/right turn)



OBSTACLE AVOIDANCE MODE

Install the obstacle avoidance head on the body, press and hold the button to activate the obstacle avoidance mode. When encountering obstacles, it will hover and avoid obstacles from all sides. Press and hold again to turn off the obstacle avoidance mode.

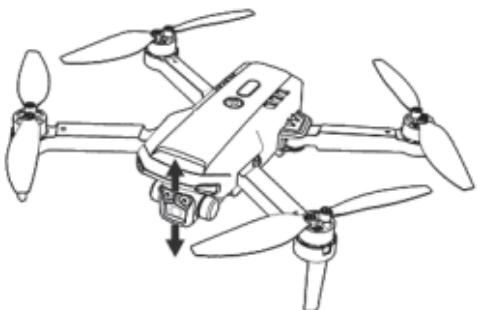
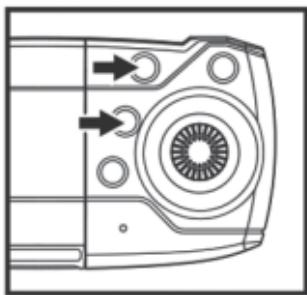


It is recommended to turn on the obstacle avoidance function in an indoor flight environment with a length and width of 6x6 meters or more. When the UAV turns on the obstacle avoidance mode, the speed will slow down and the fast gear cannot be turned on. Therefore, it is recommended to fly indoors when the obstacle avoidance mode is turned on. no obstacle avoidance function outdoors.

CAMERA ADJUSTMENT

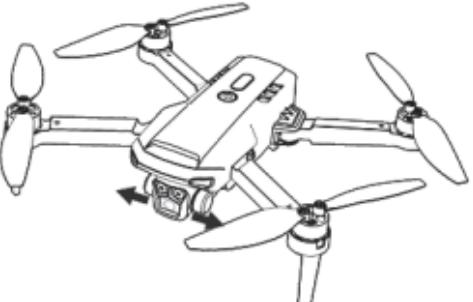
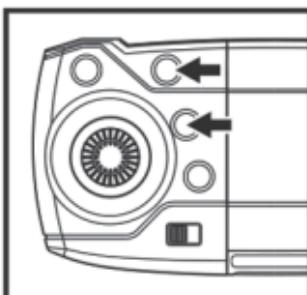
1. Camera up and down adjustment

Press the button of Up-down Adjustment to adjust the up-down angle of the camera.



2. Camera left and right adjustment

Press the button of left-right Adjustment to adjust the left-right angle of the camera.



SPEED SWITCH

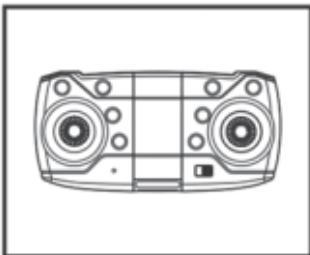
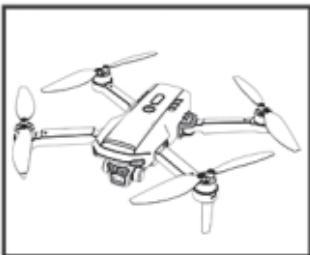
Press the speed switch button of the remote control to change the speed of the aircraft. When it is switched to the low gear , the remote control delivers one sound of Di. When switching to the medium speed , the remote control emits two sounds of Di . When it switch to high gear , the remote control beeps three times. Each time the remote control is turned off and the aircraft is restarted, the aircraft gear will automatically return to low gear.

FAQ

PROBLEMS	CAYSES	SOLUTIONS
Control failure	Not connect with the quadcopter battery.	Connect the quadcopter battery in right way.
	Too strong wind force.	Do not fly in windy days. The performance and the control of the quadcopter will be affected by the strong winds.
Fail to ascend	The rotation speed of main blades is too slow.	Please full charge the quadcopter.
	The battery of the quadrocopter is not fully charged.	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 operation within the controllable distance remote control of 100 meters and WIFI control of 40-50 meters

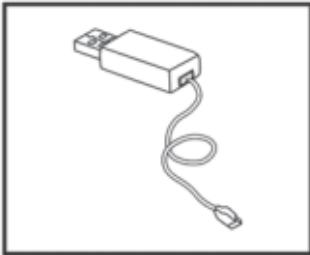
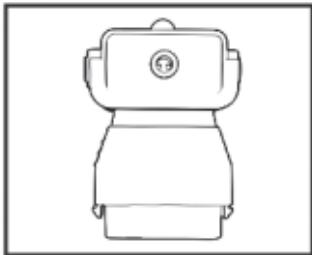
ACCESSORIES

Notes: Please check the number of accessories carefully (as shown above) , Please provide proof of purchase and contact the store for replacement if any missing parts.



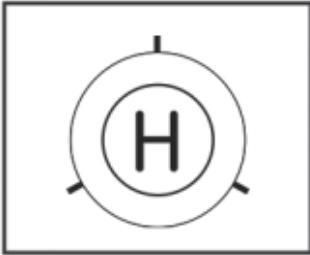
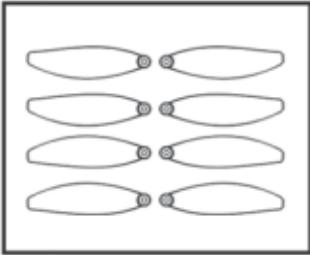
DRONE X1 (Battery Included)

Remote ControlX1



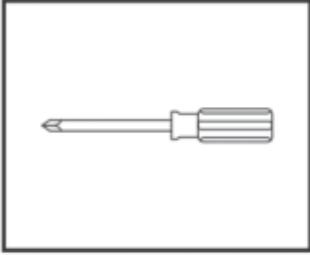
AvoidanceX1

USB Charger X1



Backup propellers X4

ApronX1

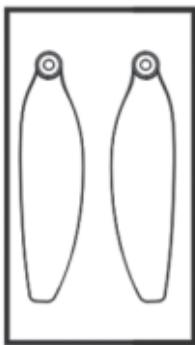


Screwdriver X1

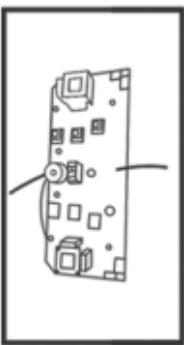
User ManualX2

OPTIONAL ACCESSORIES LIST

If any of the above accessories are damaged during operation, you can contact the seller to purchase.



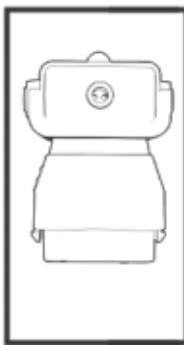
Propellers



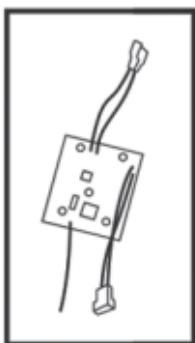
Launch board



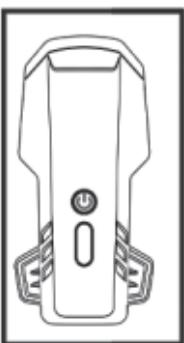
Motor



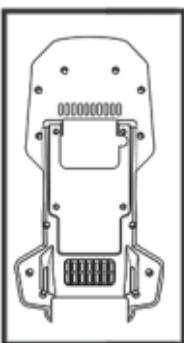
Avoidance



Receiving board



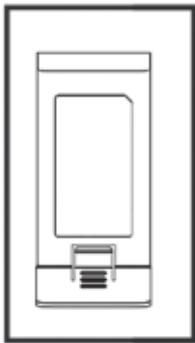
Upper Casing



Lower Casing



Apron



Battery

AIRCRAFT SPECIFICATIONS

DRONE	F168	AIRCRAFT WEIGHT	179g
EXPAND SIZE	28X31.5X8.5 CM	FLIGHT RANGE	80-100m
FOLDING SIZE	14X8.5X8.5CM		
FLIGHT ALTITUDE	80-100m	IMAGE TRANSMISSION DISTANCE	40-50m
FLIGHT TIME	Indoor hover for 22 minutes	WORKING CONDITIONS	0 °C to 40 °C
VIDEO TRANSMISSION FREQUENCY	2.4 GHz	ELECTRICAL MACHINERY	1503Brushless motor
BATTERY	3.7V2200MAH	CHARGING TIME	About 200 minutes

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.