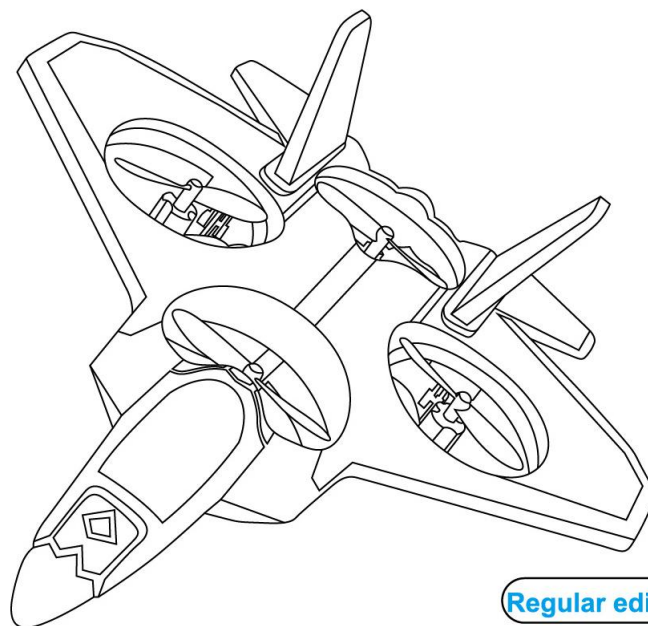


**4D-VI7**

Suitable for ages over 14

## Quadcopter operating instructions



**Regular edition**

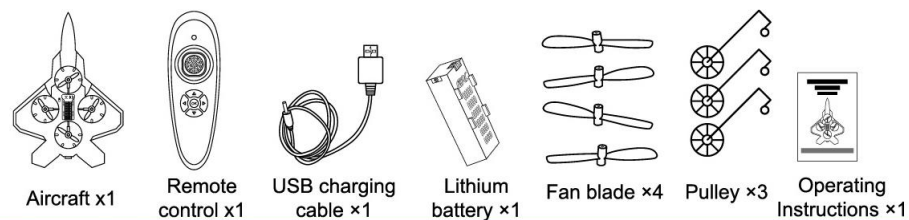
**English**

- In order to meet the requirements of the aeronautical radio station's electromagnetic environment (various of aero models and UAV are not allowed to fly within the range of 10 km on each side of center line and 20km on both ends of the airport runway and in the) and civil aviation routes and airlines. Using various models and drones in the no-fly zone issued by the relevant state departments is prohibited.

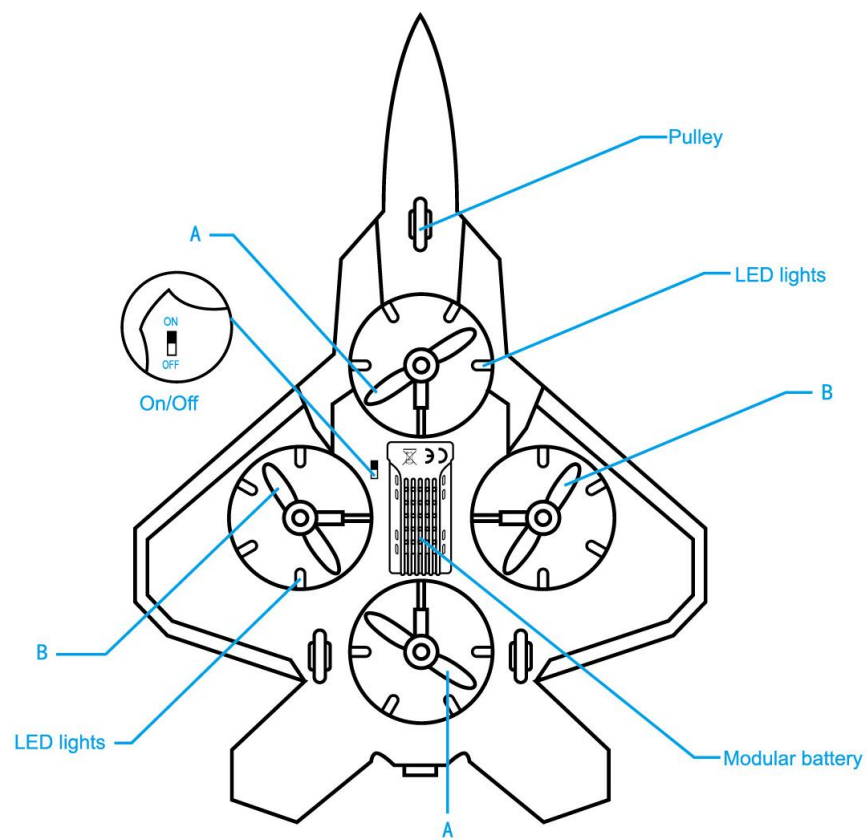
## Warning

1. The packaging and instructions contain important information and should be kept.
2. With this aircraft, you are responsible for ensuring that no harm will be caused to the personal and property of others.
3. Commissioning and installing of aircraft must be strictly in accordance with the operating instructions, and attention shall be paid to the distance between the aircraft and the user or other people shall be 2 to 3m to prevent the aircraft from bumping into the head, face and body of people and causing injury in flying and landing, etc.
4. Our company and distributors are not responsible for any loss and damage, as well as injury to people caused by improper use or operation.
5. Children should be guided by adults when operating the aircraft. This product is prohibited to be operated by children under 14 years old.
6. Please follow the instructions or packaging instructions to install and use correctly, and some parts should be assembled by adults.
7. The product contains small parts, please place it out of the reach of children to prevent the risk of accidental eating or suffocation.
8. It is strictly forbidden to play on the road or in the place where water is accumulated to avoid accidents.
9. Please put away the packing materials in time to avoid harm to children.
10. Do not disassemble or modify the aircraft. Disassembly or modification may cause malfunction to the aircraft.
11. The charging cable needs to be inserted into the designated power supply 5V  $\pm$  2A that is the same as the product label.
12. The use of other charging cables will cause damage to the battery and may cause unexpected dangers.
13. The charging cable is not a toy.
14. When charging the rechargeable battery, it must be under the supervision of an adult. When charging, it must be far away from flammable materials. During charging, the guardian should not leave the monitoring range.
15. Please do not short circuit or squeeze the battery to avoid explosion.
16. Do not mix different types of lithium batteries.
17. The aircraft uses a rechargeable lithium battery, which needs to be pulled out for charging.
18. Do not short-circuit, decompose or throw the battery into fire; do not put the battery in a place with high temperature and heat (such as in fire or near electric heating device).
19. The aircraft should be used as far away from other electrical equipment and magnetic objects as possible, they may cause mutual interference.
20. Please keep a safe distance from the high-speed rotating propeller to avoid the risk of scalp or cut
21. The motor is a hot part; please do not touch it to avoid burns.
22. LED has laser radiation; please do not give direct light beam to others.
23. Do not use the model near your ears! Misuse may cause hearing damage.
24. The USB charging cable must use the data cable provided by our company to charge the battery, otherwise it will cause serious damage to the battery and will lead to unexpected danger.
25. To meet the magnetic environment requirements of aeronautical radio stations. During the radio control order issued by the relevant state departments, the model remote control should be stopped within the city area as required.
26. Turn off the switch and unplug the battery when the battery of the aircraft is used up, and charge after 30 minutes of rest, otherwise the battery will be easily damaged.

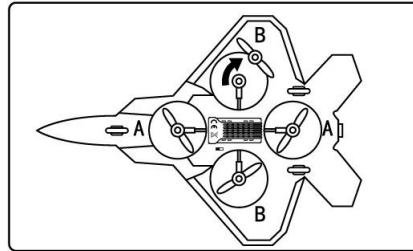
1. List of accessories included:



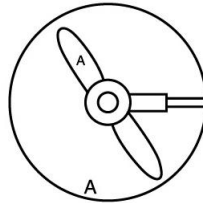
2. Name of each part of aircraft:



### 3. How to replace the propeller:

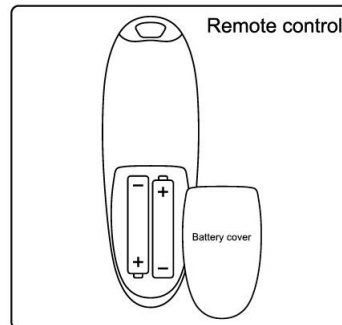


Pinch the small cap in the middle of the fan blade and take out. When replacing, press down on the motor shaft, being careful not to deform.

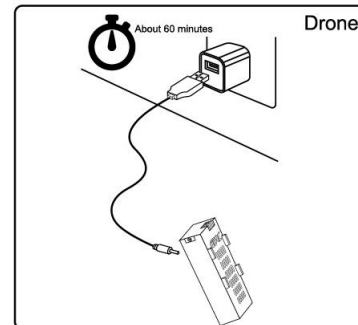


**Note:** The wind blade is printed with letter A and B, please install it correctly according to the diagram, otherwise it will not take off. A=A, B=B letter

### 4. Charge/Battery:



Open the battery cover and install two 1.5V "AAA" batteries (as shown)



Insert the USB interface of the USB charging cable into the power adapter with an output: 5V=2A. The battery will light up when it is in USB charging and it will turn off when the battery is fully charged. Charging time is about 60 minutes.

- 4.1 Please turn off the drone before charging
- 4.2 Connect the battery charger to the battery's charging port
- 4.3 Connect the charging cable to the power



It must be charged with the aircraft charging cable provided by the factory, and other charging cables cannot be used. Be sure to remember to avoid accidents.

**Warning** ⚠  
When not flying, please do not install the battery in the aircraft to avoid battery damage.

#### Rechargeable battery warning (replaceable battery)

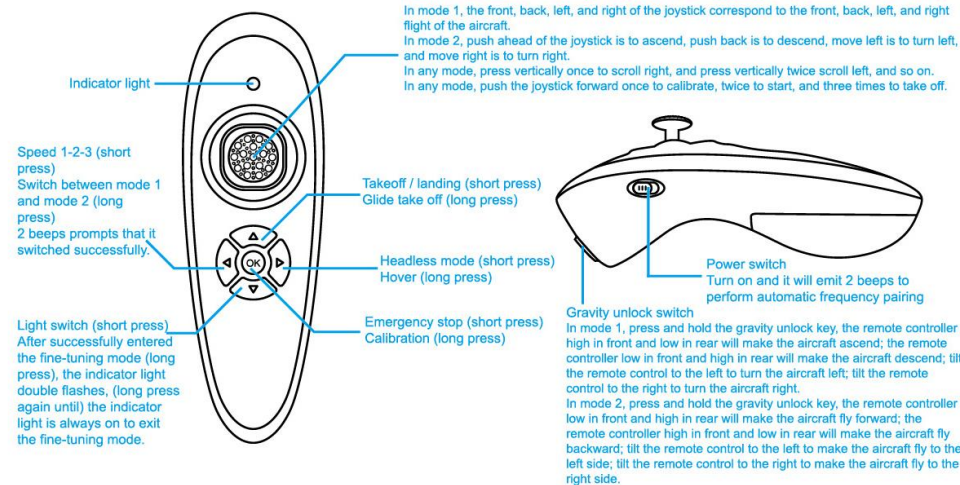
There will be risk of fire and personal injury if battery is punctured, damaged or misused

- Do not disassemble, crush, incinerate or use a short-circuited battery
- Do not expose the battery to extreme temperature or humidity
- Keep away from flammable materials and direct sunlight
- Only use the supplied charger, cord or adapter for charging
- The battery can only be charged by adults
- Adult supervision is required when charging
- Allow the battery to cool to an appropriate temperature before charging
- If the battery becomes hot, swollen, smokes, or emits a strong odor, stop charging
- It should be charged on non-flammable items, and keep away from flammable items
- Battery chargers, power cords, plugs, housings and other parts used with this product should be regularly inspected and observed for damage, if damaged, it must be repaired before use
- Before storage, remove the battery (if removable)
- Recycle or dispose of batteries according to local laws
- The battery or battery pack should not be disassembled, crushed, punctured, opened or otherwise destroyed
- If the battery is swallowed, seek medical attention immediately
- If the electrolyte comes into contact with the skin or eyes, immediately flush with fresh water for at least 15 minutes and seek medical attention immediately
- Store batteries in their original packaging and away from metal objects that could short-circuit them
- Do not drop the battery or subject it to strong mechanical shock
- During use and storage, keep the battery or battery pack clean and dry, if the metal terminals become dirty, wipe with a soft dry cloth
- Charge the battery or battery pack before use
- The battery or battery pack may need to be charged and discharged two or three times for optimum performance upon first use or after prolonged storage
- Unless otherwise specified by the manufacturer, it is best to charge the battery or battery pack at a temperature between 15°C and 30°C
- Retain original product information for future reference

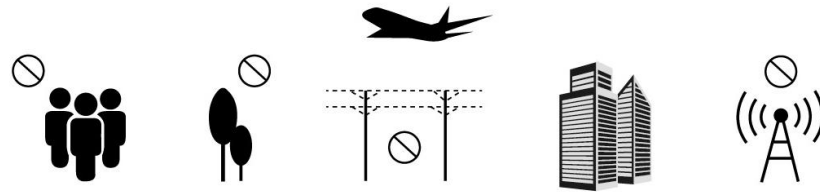
#### ⚠ Battery warning

- Do not mix old and new batteries
- Do not mix alkaline batteries, standard batteries (carbon-zinc batteries) or rechargeable batteries
- Alkaline batteries are recommended (use only batteries with the specified voltage)
- Insert batteries with correct polarity, always use, replace and charge batteries (if applicable) under adult supervision
- Do not attempt to charge non-rechargeable batteries
- Do not short-circuit the power supply terminals of the battery
- Do not dispose of batteries in fire, batteries may explode or leak
- Remove the battery before storing
- Recycle or dispose of batteries according to local laws
- Please keep these instructions for future reference

### 5. Function description of the remote control:

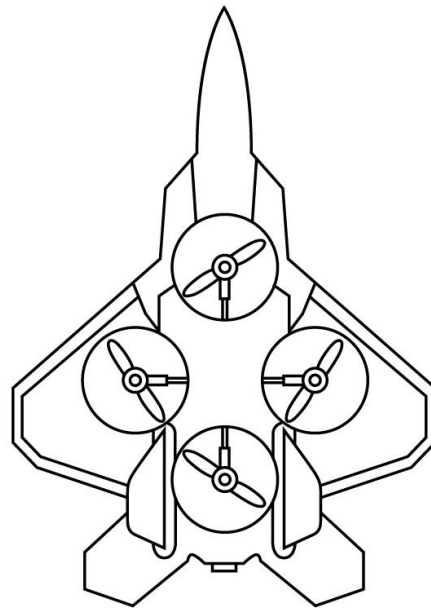


#### 6. Environmental requirements before flight:

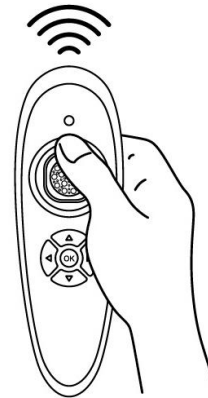


Please choose an outdoor and open environment with no rain and snow and low wind.  
Please stay away from crowds, trees, wires, tall buildings, airports, and signal transmission towers when flying. Do not fly in a too small indoor environment with lots of things.

#### 7. Drone pairing:

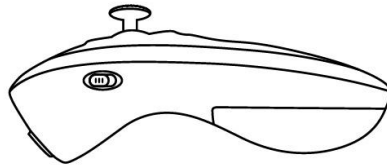


First turn on the power of the aircraft (the indicator light double flashes), put the aircraft in the right direction, the nose of the aircraft must be placed on a level ground, and then turn on the power of the remote controller, the remote controller beeps twice, the aircraft indicator light will change from double flashes to constant on, which means it paired successfully.

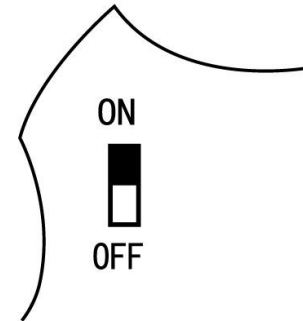




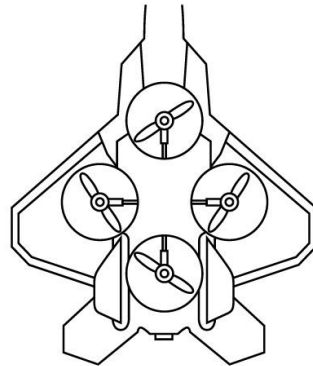
- (1)  
Make sure the remote control is turned off



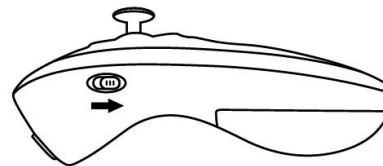
- (2)  
Turn on the drone switch



- (3)  
Put the drone on flat ground



- (4)  
Turn on the remote control switch



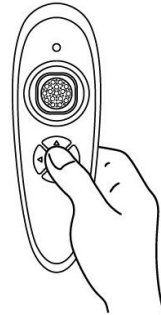
 Note: Set the aircraft in a correct direction, and the nose shall face forward. It must be placed on the horizontal plane.

## 8. Operating Instructions:

### 8.1 Aircraft calibration

#### Method 1:

Long press the OK key to calibrate.



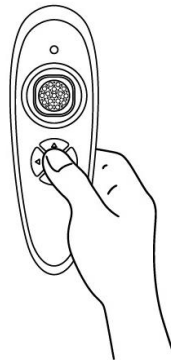
#### Method 2:

In any mode, push the joystick forward to calibrate.



### 8.3 Emergency stop

Short press the OK key to make the aircraft stop in an emergency.



It must ensure that the power of the aircraft/remote control is sufficient or it cannot take off!

### 8.2 Fine tuning



Long press the direction key to make a beeping sound and release it to enter the fine-tuning mode.

When the aircraft leaves the ground:

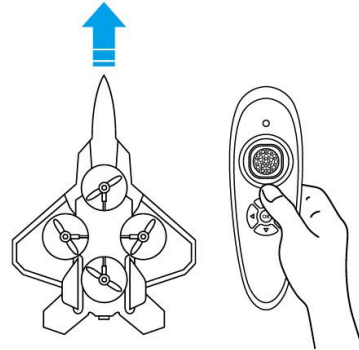
- ① And when the aircraft is offset to the rear, continuously press the up arrow key to fine-tune.
- ② When the aircraft is offset forward, continuously press the down arrow key to fine-tune.
- ③ When the aircraft is offset to the right, continuously press the left arrow key to fine-tune.
- ④ When the aircraft is offset to the left, continuously press the right arrow key to fine-tune.



#### 8.4 Glide takeoff

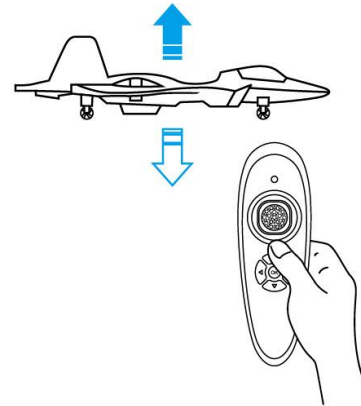
Long press the up arrow key to glide and take off

Note: Glide takeoff requires a smooth ground and windless condition.

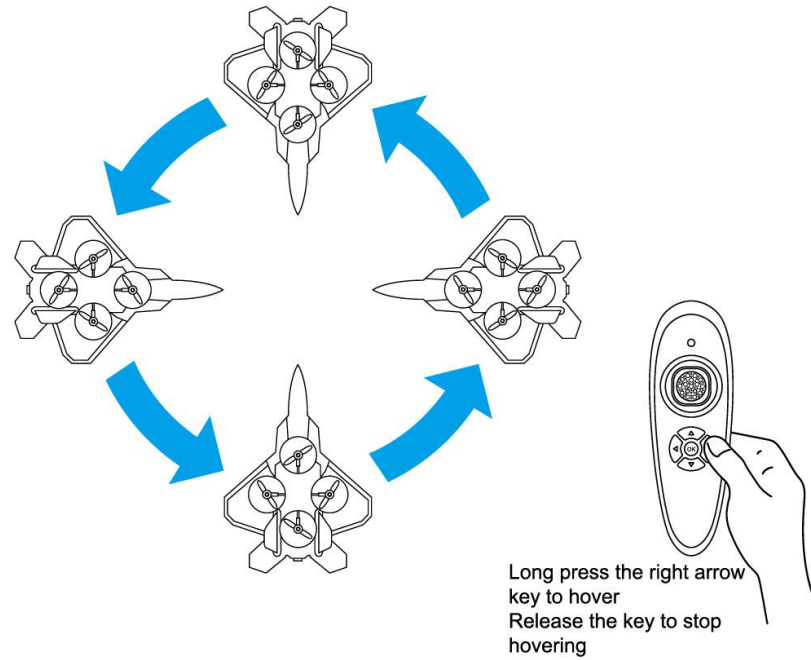


#### 8.5 One-key take-off and landing

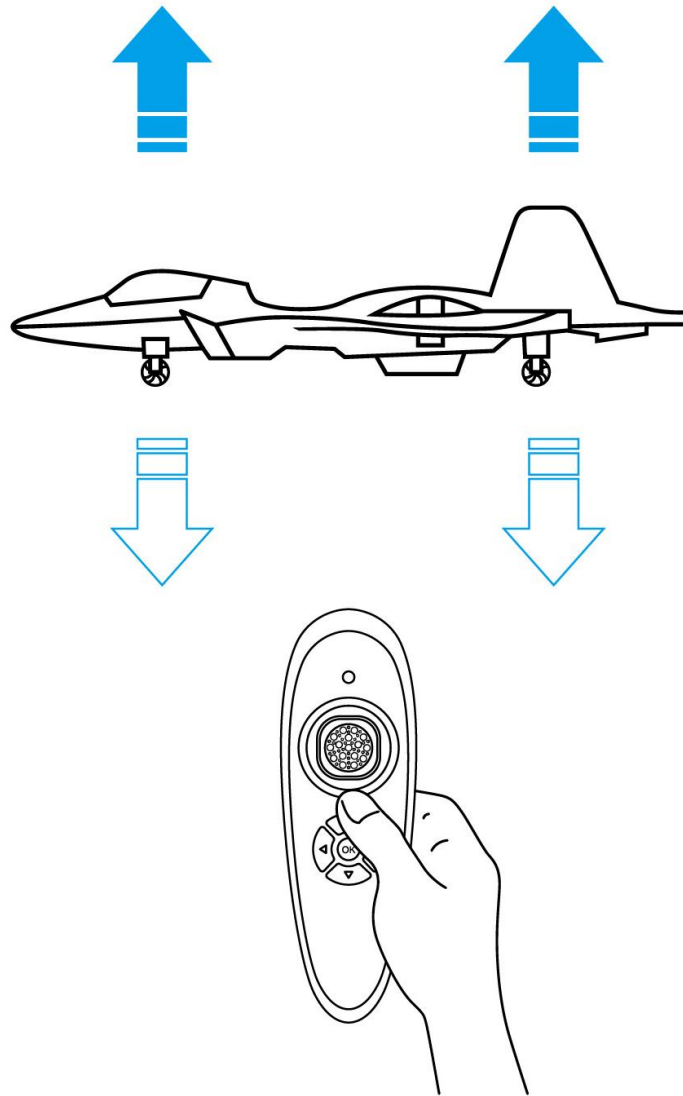
Short press the up arrow key to take off/land



#### 8.6 Hover

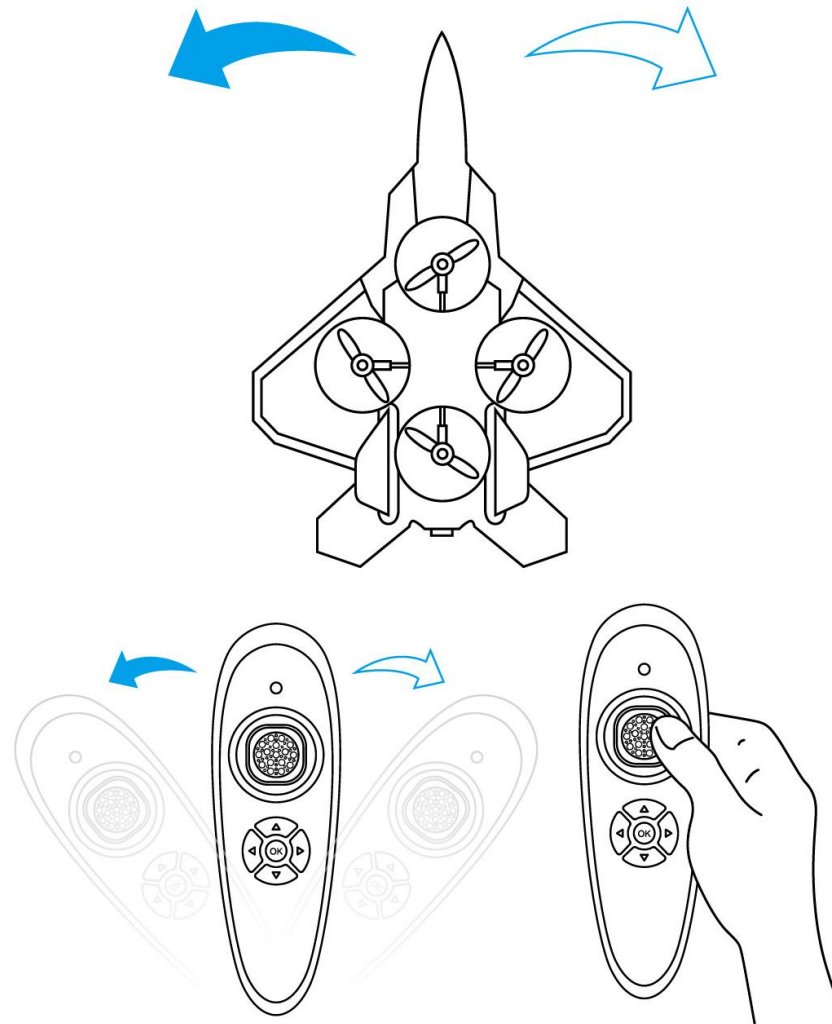


### 8.7 Hover up and down



Enter the hover state after one-key takeoff

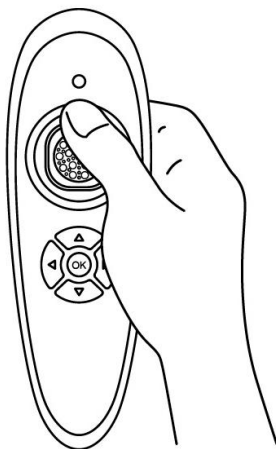
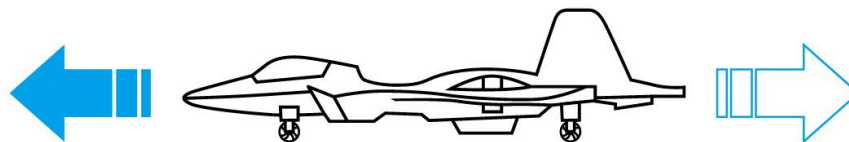
### 8.8 Turn left and turn right



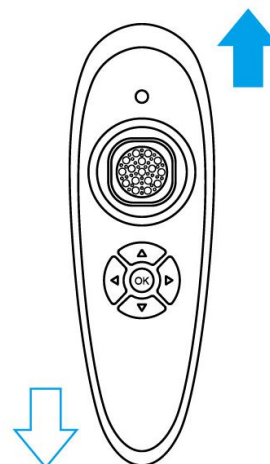
In mode 1, press and hold the gravity unlock key, tilt the remote control to the left to turn its head left; tilt to the right to turn the aircraft's head right.

In mode 2, push the joystick of the remote controller to the left to turn the aircraft to the left; and push the joystick to the right to turn the aircraft to the right.

### 8.9 Forward Flight/Backward Flight

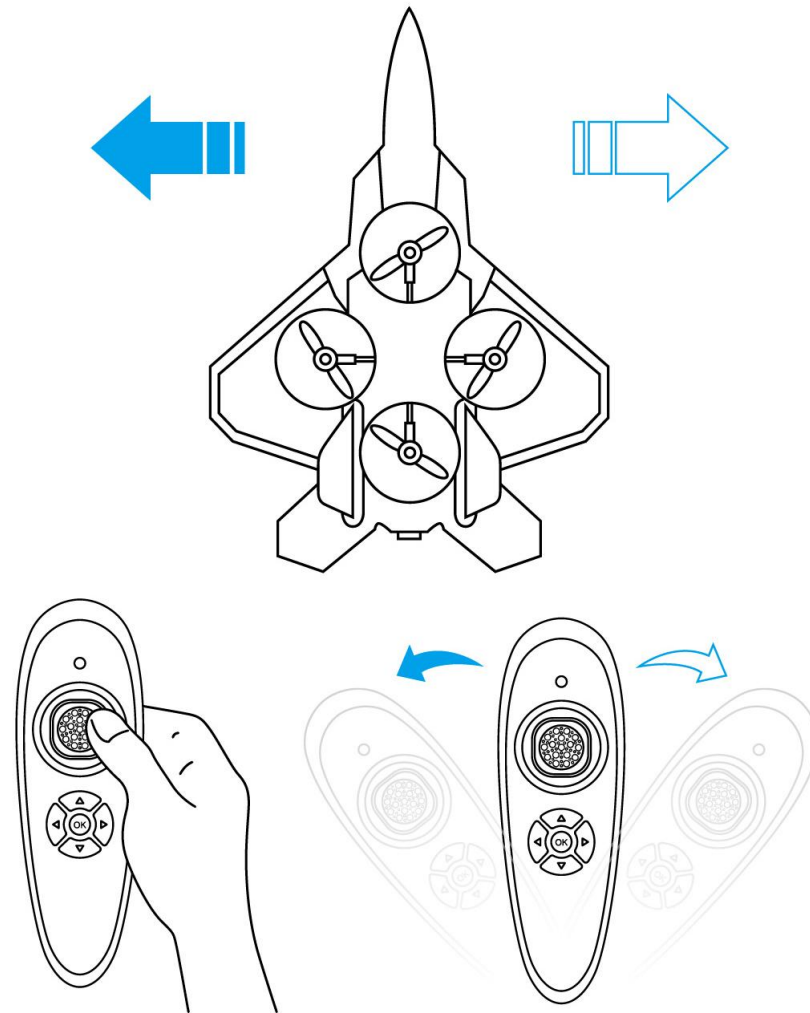


In mode 1, push the joystick of the remote controller forward to fly the aircraft forward; pull it backward to fly the aircraft backward.



In mode 2, press and hold the gravity unlock key, the remote controller low in front and high in rear will make the aircraft fly forward; the remote controller high in front and low in rear will make the aircraft fly backward.

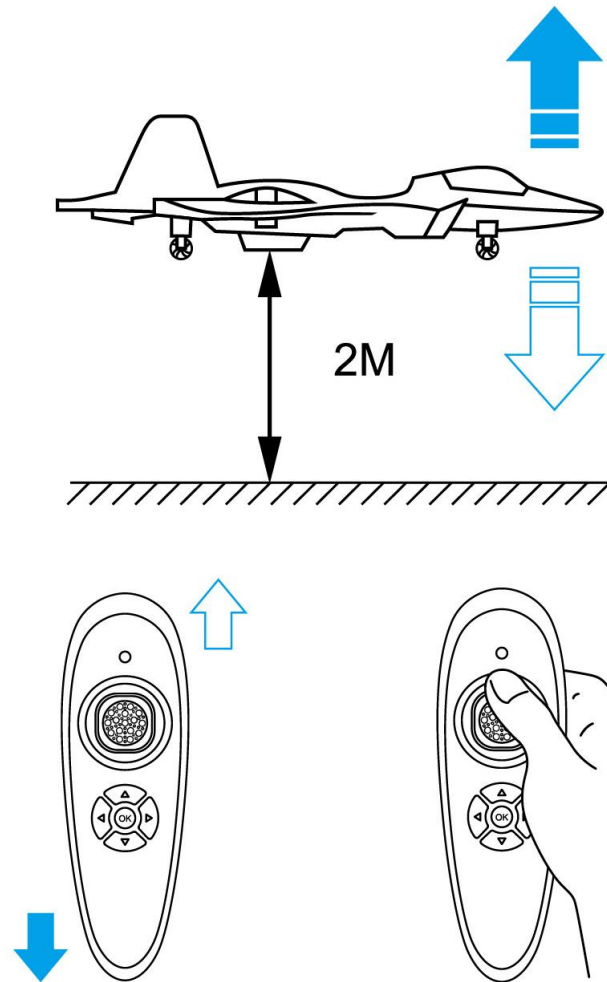
#### 8.10 Flying Left/Flying Right



In mode 1, push the joystick on the remote controller to the left to fly the aircraft to the left; and so will it to push to the right.

In mode 2, press and hold the gravity unlock key, and tilt the remote control to the left, the aircraft will fly to the left; when tilt the remote control to the right, the aircraft will fly to the right.

8.11 Ascend and descend:



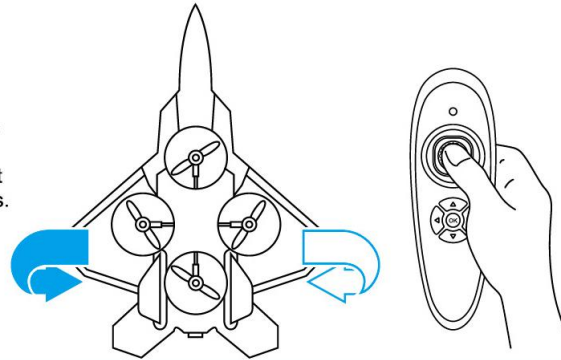
In mode 1, after one-button takeoff, the drone hovers to about 2m, press and hold the gravity unlock key, the remote controller low in front and high in rear will make the aircraft descend; the remote controller high in front and low in rear will make the aircraft ascend.

In mode 2, push the joystick of the remote controller forward to ascend the aircraft; pull the joystick backward to descend the aircraft.



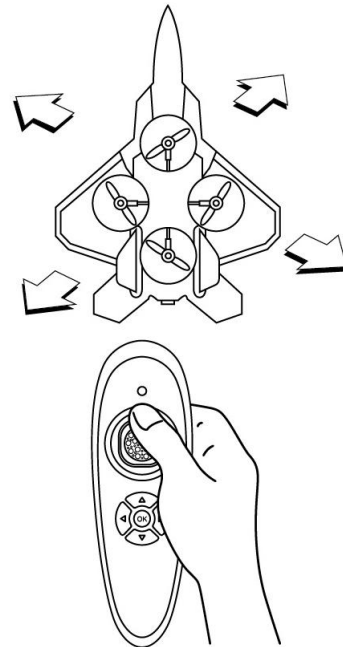
#### 8.12 Rolling left and right:

Any mode:  
When the aircraft is hovering, press the joystick of the remote controller vertically, it rolls right at first and then left, and continues.

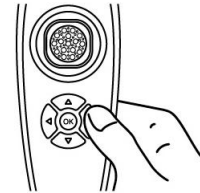


#### 9. Headless mode:

When the drone is in headless mode, it will orient the user (remote control) no matter which direction the drone is facing.

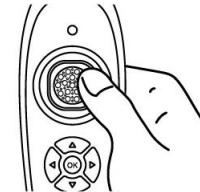


9.1



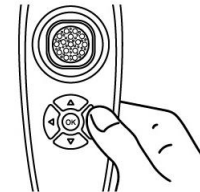
Short press the right arrow key to enter headless mode, the remote control will beep every 6s, indicating that it is in automatic positioning mode.

9.2



Pushing right will move the drone away from the user, pushing left will move it left, etc.

9.3



Short press the right arrow key to exit headless mode.

## 10. Precautions

### Hint

- Do not crash the drone into sand or dirt, the drone gear may be blocked
- When learning to fly for the first time, practice takeoff and spin
- After a crash or when something is stuck in the propeller, always press the throttle lever all the way down or press the emergency stop key.
- Do not use the drone on or near people, sudden changes in wind or other conditions may cause an accidental crash
- Be cautious when flying drones, abide by relevant laws, and respect the privacy and property rights of others
- Do not modify or use for any purpose other than the intended use

**WARNING:** Changes or modifications to this unit not expressly approved by the party responsible could void the user's authority to operate the equipment.

### Troubleshooting

When the remote control switch is turned on, the remote control light does not light up:

- 1) Check if the batteries in the remote control are installed correctly
- 2) Replace with new batteries

The remote control power indicator flashes during flight:

- 1) The remote battery is low, land the drone immediately
- 2) Replace the old battery

The indicator light of the aircraft is flashing, but there is no response to the operation:

Connect the drone battery to a power source to charge

The drone and remote are paired correctly, but the drone won't take off:

The drone battery needs to be charged, use the USB charging cable to connect the drone battery to the power source

After fine-tuning of the drone, the flight is very unstable and cannot fly properly:

- 1) It is possible that one or more blades are damaged, please replace the appropriate blades and try to fly again
- 2) Use the calibration method to calibrate the gyroscope
- 3) Turn off the drone and remote control, then re-pair

Remote control and drone cannot be paired:

The remote control must be within three meters of the drone

**Note:** If there are multiple unpaired drones within three meters, one must be successfully paired before other drones can be paired