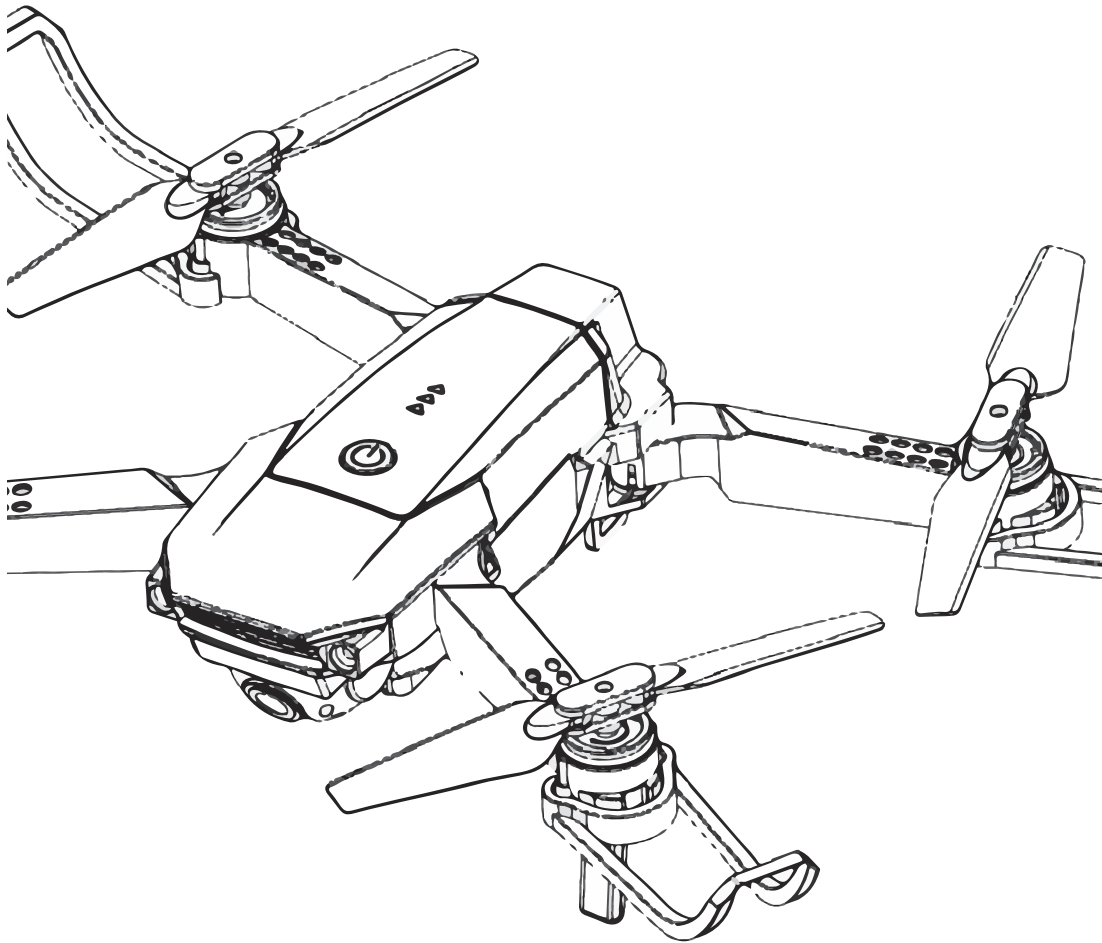# QUADCOPTER DRONE
OPERATING MANUAL

* Please read this manual carefully before operating your drone. Keep this manual for future reference.

KNOW YOUR DRONE

The drone uses a 2.4 Ghz frequency band for long remote control distance. Drone allows multiple flights at the same time without any interference. Users can use individual controls to fly the drones, while taking photos and videos using our App and your smartphone's WiFi connection.
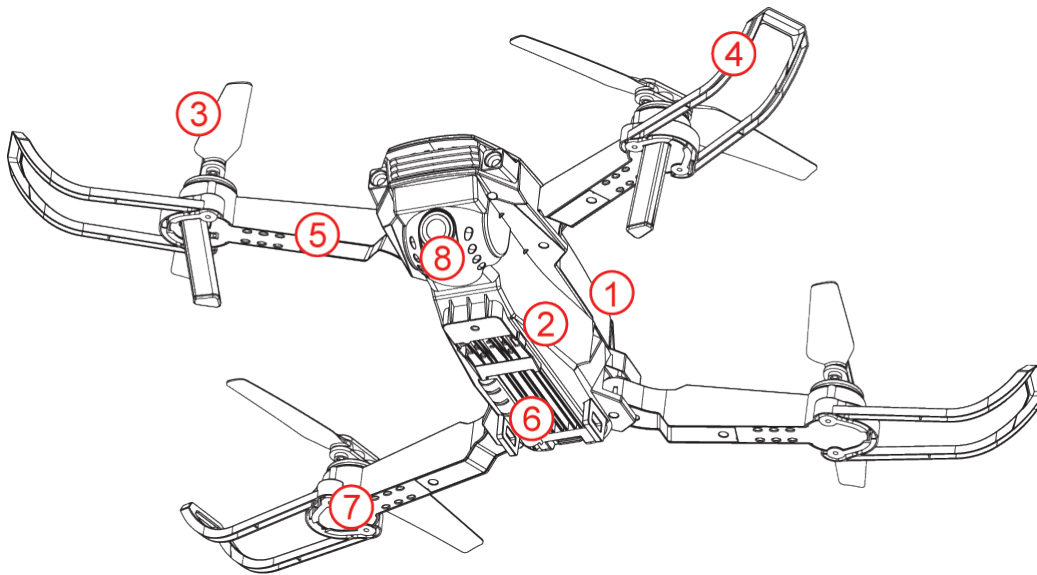
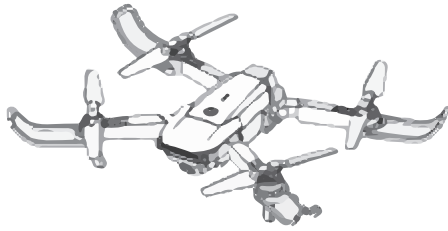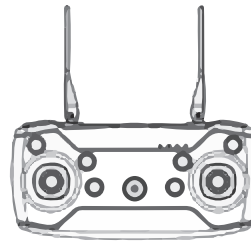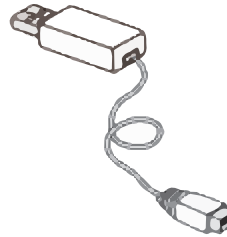| 1 Upper Casing	5 Arm
2 Lover Casing	6 Battery
3 Propeller	7 Motor
4 Protective Guard	8 Camera

ACCESSORIES

Drone x1
(Battery Included)

Remote Control x1
(AA Batteries Not Included)

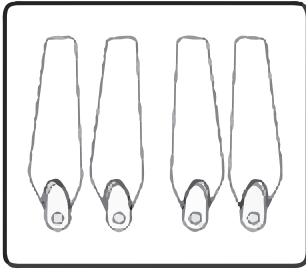Backup Propellers x2

USB Charger x1
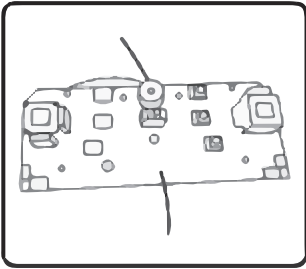
Screwdriver x1

User Manual x1

NOTE

Please check the number of accessories carefully (as shown above). If any accessories are missing, contact the store for replacement parts.

OPTIONAL ACCESSORIES LIST

Propellers	Launch Board	Motor
Receiving Board	Upper Casing	Lower Casing
Battery	Protective Guard	
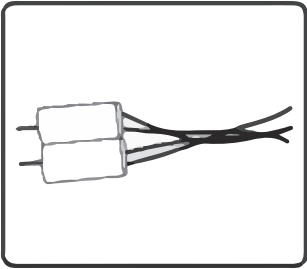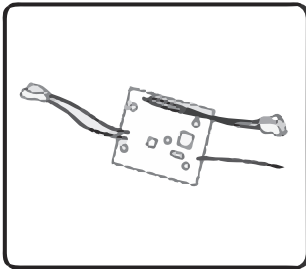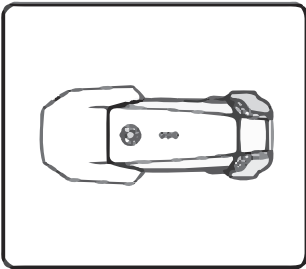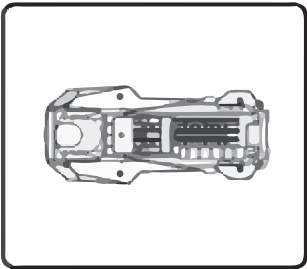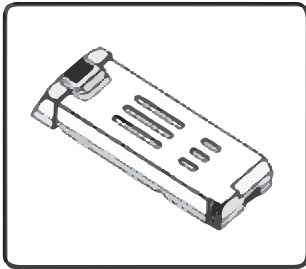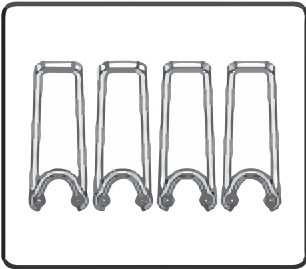
NOTES

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

PREFLIGHT PREPARATION

1. FLIGHT ENVIRONMENT

Indoor: Use in spacious areas away from barriers, crowds, and pets.

Outdoor: Sunny, windless, and calm weather situations are preferred.

Keep the drone in sight during the flight and keep it away from barriers, high-tension cables, trees, and people.

Do not fly in extreme environments such as extreme heat, extreme cold, strong wind, or heavy rain.

2. OPENING THE WINGS

1. Open the front arm (close to camera)
2. Open the back arm (fold the back arm first and then the front arm next when folding).

Opening arm
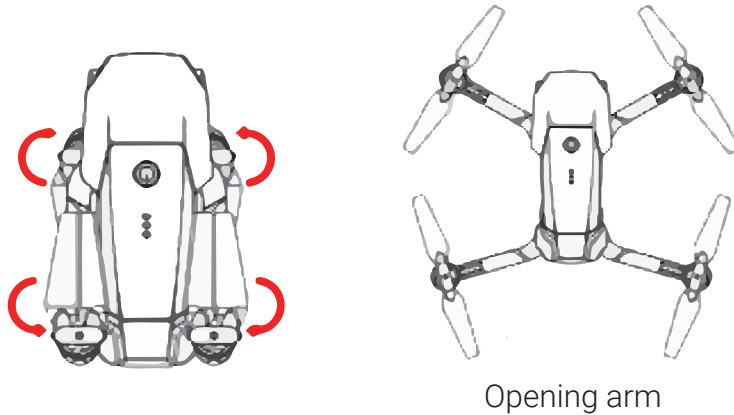
3. ASSEMBLING PROTECTIVE GUARDS
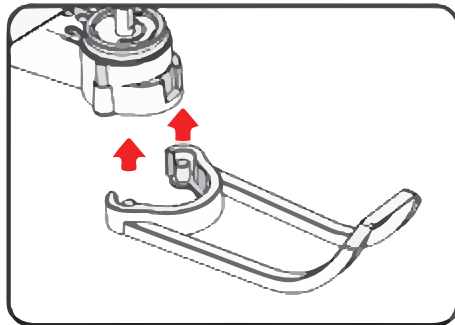
1. Align the protective guard with the two holes below

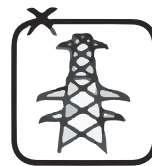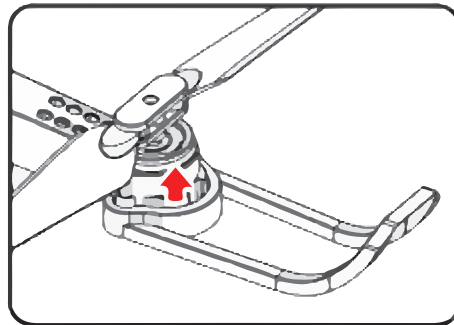2. Press firmly on the arrow. Make sure that the guard is aligned flat against the bottom.

4. ASSEMBLING PROPELLERS
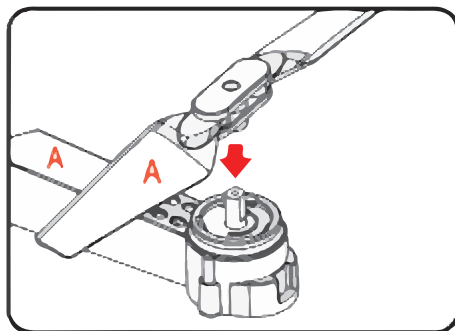
1. Correspond the Propellers with the hex nuts of the crankshaft (The arm identification is consistent with the Propellers identification)
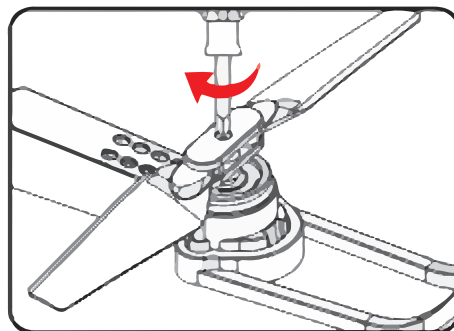
2. Tighten the screws clockwise

-5-

5. BATTERY CHARGING FOR DRONE
(Drone battery will need to be initially charged before use).
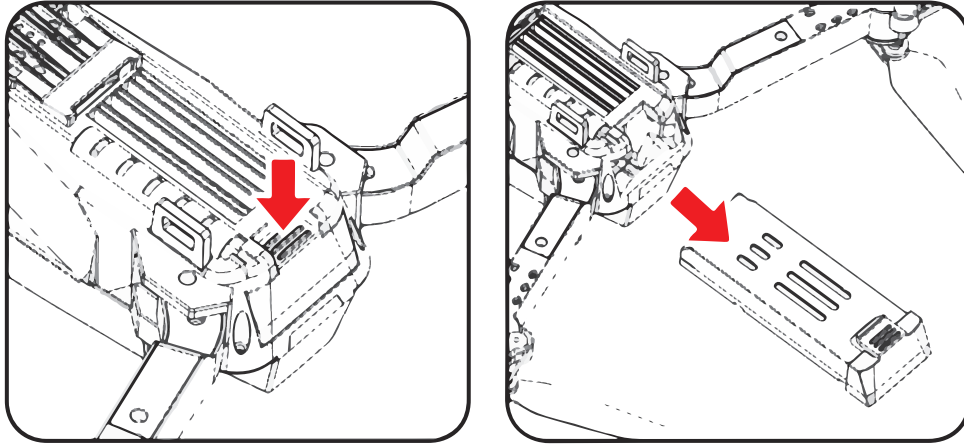
A. Remove the lithium battery from the bottom of the drone
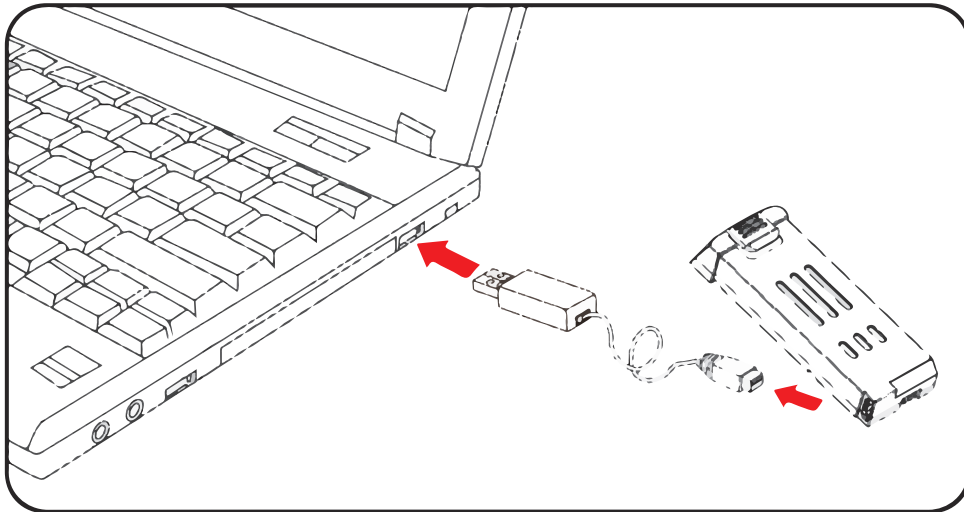
B. Connect USB charging cable with the charging interface of the lithium battery

NOTES

When charging, the LED light will turn on. The red light will turn off when charging is complete. Charge time is about 30 minutes. The usage time is about 8-10 minutes per battery.

⚠ BATTERY INSTRUCTIONS

• There is a certain risk when using lithium batteries. It may cause fire, body injury or property loss. Users must be aware of the risks and take full responsibility for using battery improperly.

• If battery leakage occurs, avoid contact with your eyes or skin. If contact with the electrolyte occurs, wash your eyes with clean water and seek medical care immediately.

• Remove the plug immediately if you sense any peculiar smell, noise, or smog.

Battery Charging

• Use the charger from original factory to ensure your safe usage.

• Do not charge damaged or outworn battery.

• Do not over charge battery. Unplug the charger once fully charged.

• Do not charge the battery next to flammables, such as carpet, timber floor or wood furniture, or on the surface of electroconductive objects.

• The charging temperature should be between 0°C to 40°C.

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
1. Parts of remote control
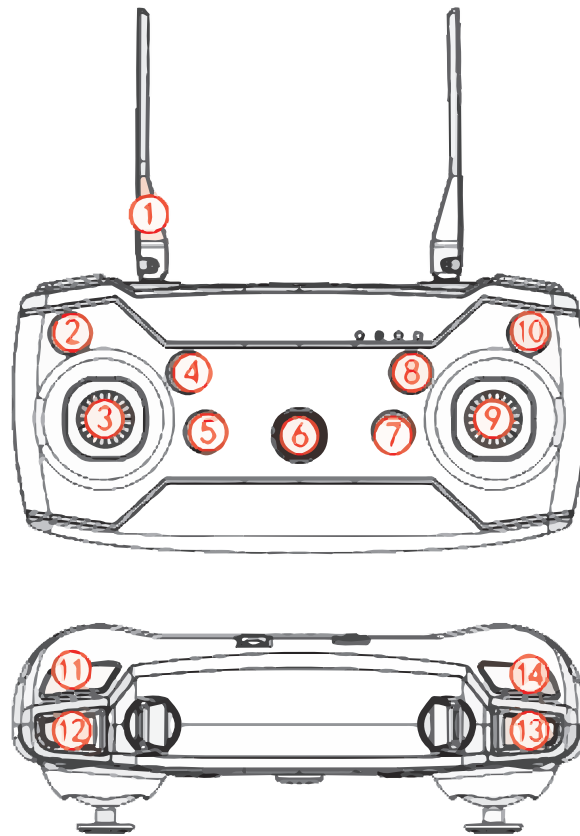
(1)	Antenna	(8)	Forward Fine-tuning
(2)	Left Side Fly Fine-tuning	(9)	Right Joystick
(3)	Left Joystick	(10)	Left Joystick
(4)	One-key Ascend	(11)	Headless Mode
(5)	One-key Landing	(12)	High/low Speed
(6)	Power Switch	(13)	One-key Flips & Rolls
(7)	Backward Fine-tuning	(14)	One-key Calibration

REMOTE BATTERY INSTRUCTION

1. Open the remote control battery cover
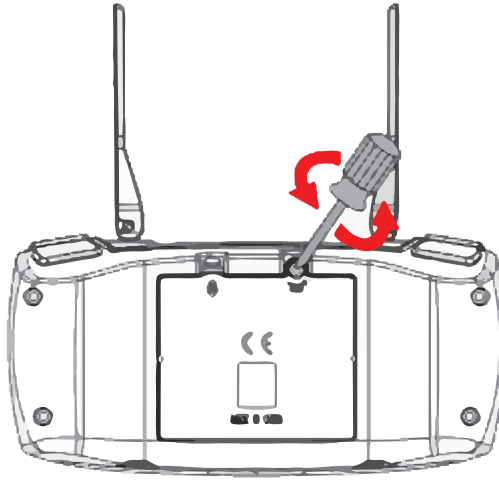
2. Install remote control batteries
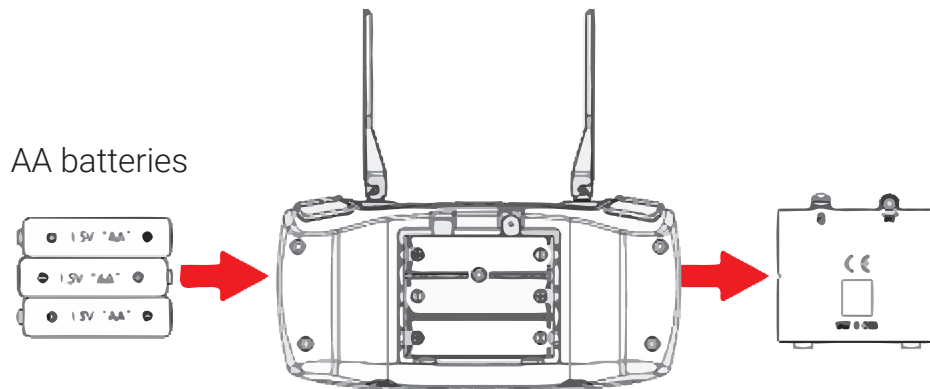
AA batteries

Open the battery cover and insert 3 AA batteries correctly according to the battery instructions. (Batteries not included)

NOTES

1. Make sure the batteries are loaded correctly according to the polarity indications on the battery compartment.
2. Do not mix old and new batteries together.
3. Do not mix different types of batteries together.

SIGNAL CONNECTION OF TRANSMITTER AND RECEIVER

1. Turn on the drone and place it on a level surface with the indicator light of the transmitter ON, and the LED of the drone flashing.
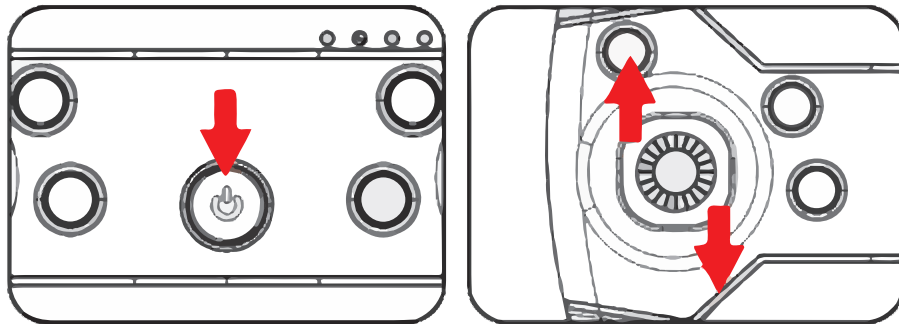
2. Push the throttle joystick to the highest point then push back to the lowest point,. When you hear two beeps, the indicator light of the transmitter and the LED of the drone will turn on and the signal connection is complete.

TRANSMITTER CALIBRATION

Apply transmitter calibration when the drone fails to take off vertically. When the lights are flashing, press the "One button calibration" button until the lights stay on to signify that the calibration is complete. The drone must be placed on a horizontal surface in a steady state when the calibration is being conducted.
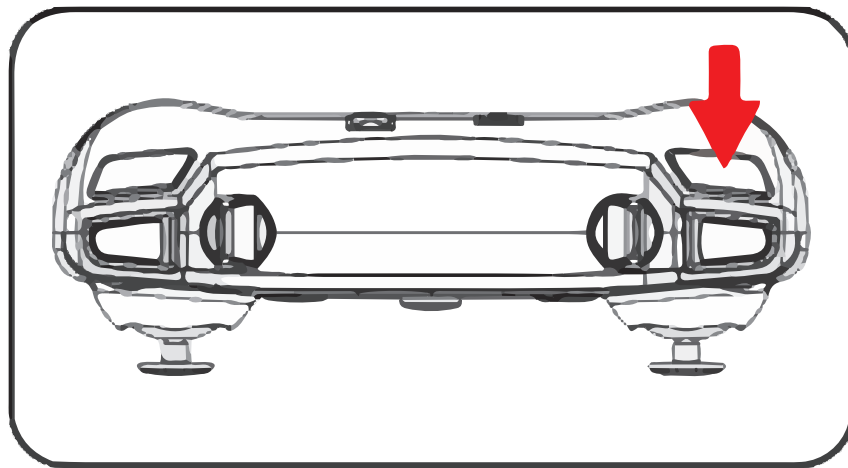
START YOUR FLIGHT

1. One-key Ascend

Press the "One-key Ascend" button. The drone blades will rotate and automatically fly to a height of 1.5 meters.
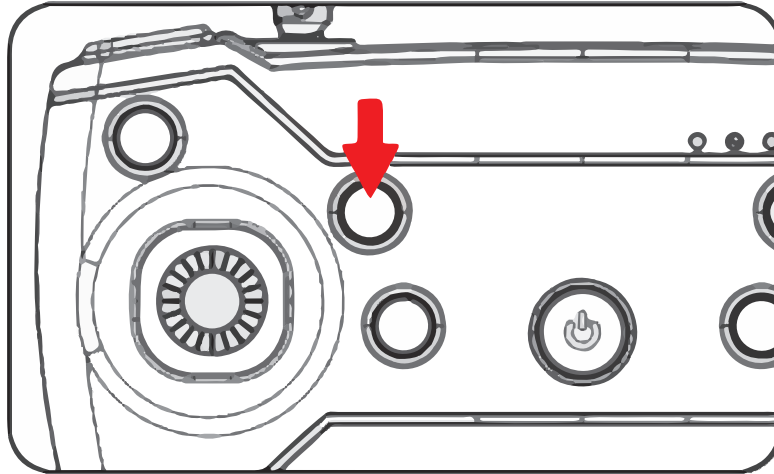
2. Basic Flight

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

Left joystick

Ascent

Descent

Turn
Left

Turn
Right
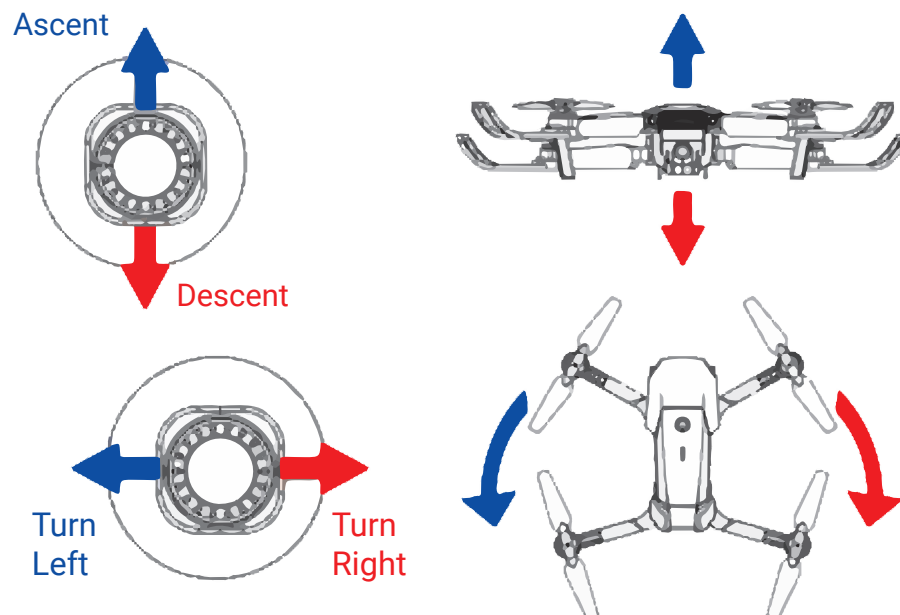
Right joystick

Forward
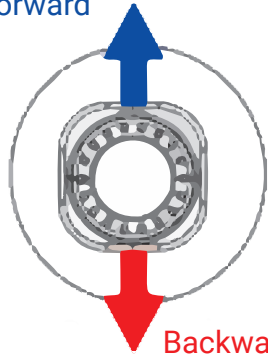
Backward

Left Side
Flight

Right Side
Flight

Flips & Rolls

When the drone is more than 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

Flip to left
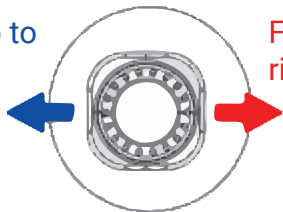
Flip to right
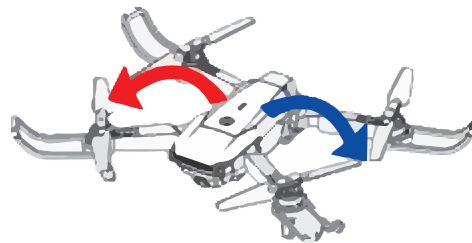
Headless Mode

The flight direction of drone is subjected to the direction of remote control.

1. When the drone adjusts its frequency, the drone is in a default common mode. The indicator light of the drone will be on. When you press the headless function key on the remote con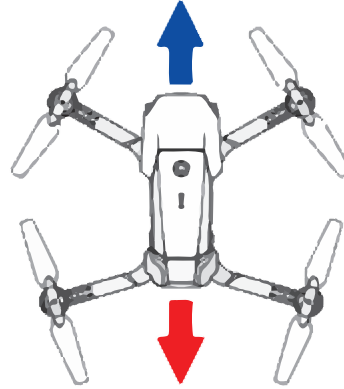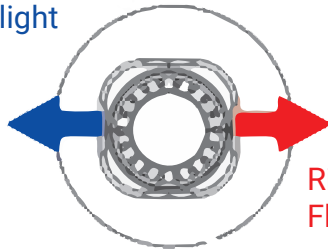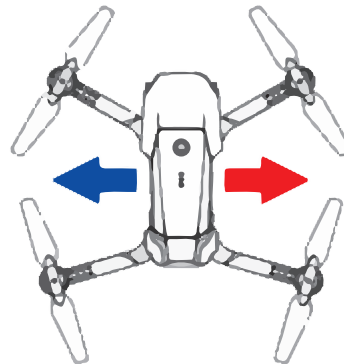trol, the remote control beeps once and enters headless state. When you press the headless function key again, you will hear a long beep and the drone will exit the headless mode.

2. In headless mode, the operator doesn't need to identify the direction of the nose, but rather will control the drone according to the operating lever of 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
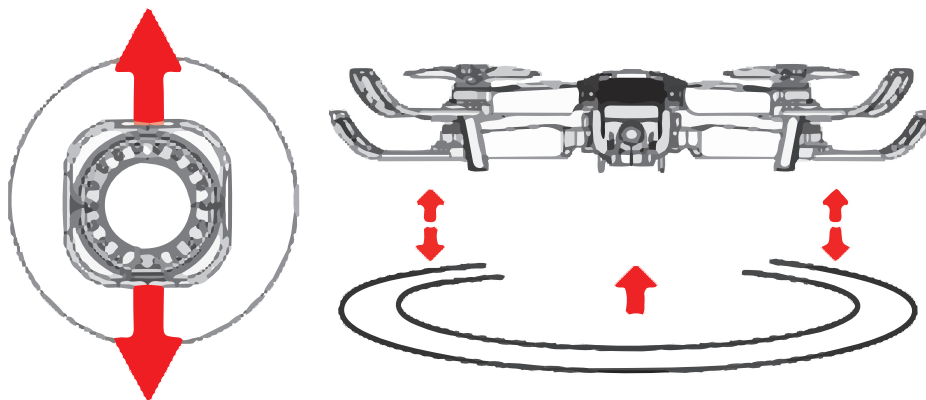
FINE-TUNING FUNCTION

If the drone is going off course, press the "Fine-tuning" buttons (left/right, forward/back) to calibrate your drone until the drone becomes steady.
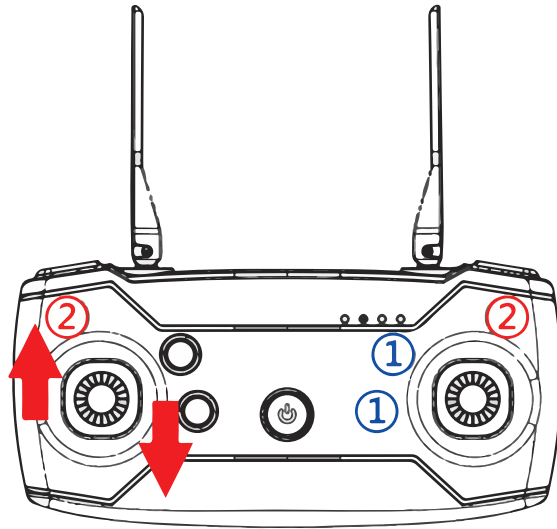
1. Forward/ Backward Fine-tuning

2. Left/ Right Side Fly Fine-tuning
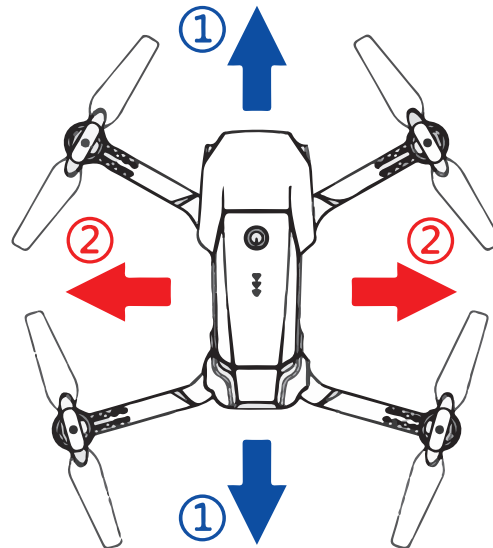
NOTES

When the drone is within 30 cm from the ground, it will be affected by the blade vortex made by itself and become unstable. This is called the "ground effect". The lower the drone is, the greater the effect will be.

INSTALLING AND USING THE APP

Your drone is designed to be used with the
"WiFi_CAM" app, available in both the App Store and
Google Play Store.

1. Search for "WiFi_CAM" in the App Store or Google Play Store.
2. Or scan the below QR Code to be sent directly to the app listing

Connecting your phone to the drone

1. Power ON your drone until you see a flashing LED. This signals
that the drone is waiting for a connection from your mobile phone.
2. Go to your phone's settings and first turn OFF mobile data while
connecting to the drone.
3. Next go to your WiFi Settings and select the network called:
"WIFI_4k_A17D97"
4. Once connected, open the "WiFi_Cam" app and tap the "START"
icon to enter the control interface

Control Interface Introduction

FAQ

PROBLEMS	SOLUTIONS
My drone is not staying on course or is out of control.	Check to ensure that there are no strong winds that may be impacting the course of the drone. Try bringing the drone at least 30cm from the ground to reduce the "ground effect". Follow the instructions for Fine-Tuning Function to further stabilize the drone flight. Ensure that you are keeping the remote control within 100 meters of the drone at all times during flight.
My drone is failing to ascend	If your drone is failing to ascend, please check the battery levels of your controller and drone and ensure that they are fully charged. Make sure that the rotation of the blades is fast enough to cause the drone to ascend.
My drone is landing too fast	If your drone is landing too fast, try manually pulling down the throttle stick slowly so that your drone loses altitude at a slower pace.
My WiFi connection to the drone keeps dropping	If your phone is disconnecting from the drone's WiFi signal, you may need to adjust one of two settings on your phone. 1) When connecting to the drone's WiFi your phone may ask if you want to stay connected to this WiFi signal even though it does not have an internet connection. Check the box next to this setting. 2) Some phones allow for prioritizing specific WiFi Network connections. Making your drone's WiFi Network the highest priority may help with your connection stability without impacting your normal usage.

FAQ

PROBLEMS	SOLUTIONS
My controller is failing to connect	Check to ensure that both the controller and the drone are turned on and have battery life. If they are still failing to connect, please reset both units and follow the directions to connect the transmitter and receiver again.
My drone is not staying on course or is out of control.	Check to ensure that there are no strong winds that may be impacting the course of the drone. Try bringing the drone at least 30cm from the ground to reduce the "ground effect". Follow the instructions for Fine-Tuning Function to further stabilize the drone flight. Ensure that you are keeping the remote control within 100 meters of the drone at all times during flight.