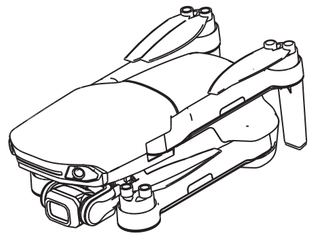
# Manual G268




01 ..... Pre Flight Preparation
02 ..... Name and description of remote control function keys
03 ..... Charging instructions
04 ..... UAV Flight Tutorial
05 ..... Manipulation method
06 ..... Introduction to the function and operation of the remote controller
07 ..... App Software Installation Instructions
08 ..... App interface description
09 ..... Guidelines for Frequently Asked Questions




## Pre Flight Preparation

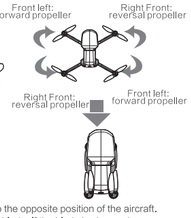
### Flight environment

Indoor: Spacious space away from obstacles, crowds or pets are preferred.

Outdoor: In an open environment, calm and sunny weather are preferred.

Please keep the drone within sight during flight.Keep away from obstacles,high-voltage cables, trees, and personnel.

Do not fly in extreme environments such as heat, cold, Strong wind or rainstorm.




### Propeller replacement matters

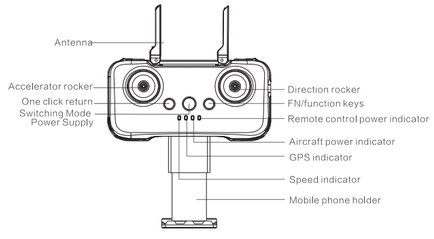
1. The blade to be replaced must be replaced according to the opposite position of the aircraft. The upper blade reversal must be installed on the reverse blade. If the blade is changed incorrectly, it will not be controlled.
2. Clockwise on the windward side of the blade is the forward blade, counterclockwise on the windward side of the blade is the reverse blade.

1. Important Notes
This product is not a toy. Improper use can cause damage
Please follow the instructions before using this product. Do not disassemble this product yourself, otherwise, the manufacture will not be responsible for any damage caused
2. Safety instructions
Warning: Fly in a safe area or away from others. Do not operate the aircraft over dense crowds. When flying remotely controlled aircraft
During pilot operation, operational errors or wireless interference are prone to accidents and malfunctions, which can easily cause damage or injury to the population.
Prohibited: When there is heat source, heating source, electric wire or electronic power supply, collision, and landing entanglement, it is easy to cause electric shock at the ignition angle and cause life and property damage
"When flying and landing, please stay away from obstacles, crowds, pets, and passersby.".
Warning: The product is mainly suitable for children over 14 years old, and there are certain difficulties when starting learning. It is recommended to hire a pilot with rich flight experience Guidance

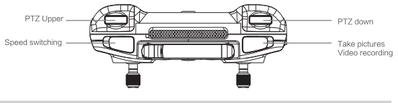




## Name and description of remote control function keys




Note: When a satellite cannot be found indoors or outdoors, it is in a GPS free state and can only be low within the range of vision
After the fast flight GPS status is connected, you can fly normally. The inner eight of the operating handle are unlocked (the accelerator rocker is turned to the lower right corner,The steering rocker is turned to the lower left corner), and the aircraft wings begin to rotate and prepare for flight.




## Instructions for use of remote control handle/mobile phone rack

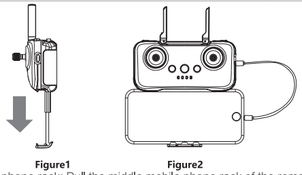


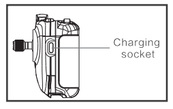
**Figure1** **Figure2**

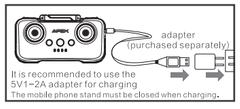
Mobile phone rack: Pull the middle mobile phone rack of the remote control downward (Figure 1) to place the mobile phone (Figure 2)
When the mobile phone rack is pulled out, it can be controlled by connecting the mobile phone.





## Remote Control Charging Instructions

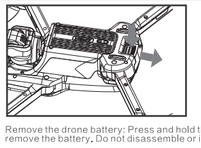


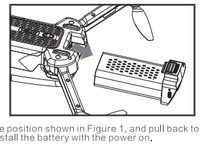




It is recommended to use the 5V1-2A adapter for charging
The mobile phone stand must be closed when charging.

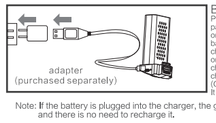
Insert the charging cable charging plug into the remote control charging jack, and then connect the USB charger plug to the computer or phone charger
During charging, the charging indicator lights up in a running light state, and the indicator lights up permanently in green after being fully charged.
(Charging time is about 120 minutes)

## Instructions for charging and using lithium batteries for unmanned aerial vehicles





Remove the drone battery: Press and hold the position shown in Figure 1, and pull back to remove the battery. Do not disassemble or install the battery with the power on.




### Battery charging steps:

Please use the original charging cable provided with the package to connect the USB charger plug to a computer or mobile phone charger to charge. The intelligent flight battery indicator light flashes in a running light cycle during charging state. When all the indicator lights are constantly on, it indicates that the intelligent flight battery is fully charged. Please remove the charger and complete the charging.
(Charging time is about 180 minutes)
It is recommended to use a 5V 1-2A adapter for charging

Note: If the battery is plugged into the charger, the green light of the battery will always be on, and there is no need to recharge it.

⚠ · When charging a rechargeable battery, do not use it alone for children. It must be carried out under adult supervision and must be kept away from the battery
Flammables, please do not leave the aircraft model outside the monitoring range when charging.
· Please do not short-circuit or squeeze the battery to avoid explosion.
· The power supply terminal should not be taken out of the model, and the terminal should not be short-circuited; Do not short-circuit, disassemble, or throw the battery into fire;
Do not place the battery in a hot, heated place (such as in a fire or near an electric heating device).
· Only recommended chargers can be used for the model. Regularly check whether the wires, plugs, housings, and other components of the charger are damaged
If it is damaged, stop using it until it is completely repaired.
· Chargers are not toys; The charger can only be used indoors.
· The battery after flight needs to be charged and stored. If it is not used, it is recommended to charge the battery at least once every 3 months to avoid electricity
The battery is permanently damaged due to excessive discharge of the battery.

## Preflightenvironmentalrequirements

Please choose an open indoor environment or an outdoor environment without rain,snow, and strong winds. When flying, please stay away from people, trees, power lines, tall buildings, airports, and signal transmission towers. Pay attention to flight restrictions and special restricted areas!





## UAV Flight Tutorial

### 1.UAV frequency alignment and PTZ calibration

Drone pairing: Install the battery correctly into the drone, unfold the arms one by one, place the drone horizontally on a flat surface, and power it on. To power on the drone, short press the power button, then long-press the power button for 3 seconds (the power indicator will light up in short flashes and then turn steady on); power on the remote controller (the same method as the drone). After power-on, the drone will automatically pair with the remote controller. A beep sound will indicate successful pairing, and both the remote controller and the drone will have a steady light on (to connect with a phone, place the phone on the remote controller holder and connect it with a data cable).

### 2.Geomagnetic calibration

Warm reminder

Perform magnetic calibration before each flight. The method is as follows: Move the remote controller's joystick upward in a figure-eight motion, and you will hear a beep sound. The indicator light will flash rapidly. Then, pick up the drone and rotate it horizontally at a constant speed for three circles. After hearing another beep sound from the remote controller, rotate the drone vertically at a constant speed for three circles. When you hear the final beep sound from the remote controller, the magnetic calibration is complete.

### 3.Gyroscope Calibration:

Place the drone on a level surface. Simultaneously move the remote controller's direction stick and throttle stick to the "bottom right corner" and then release them to their original position. The drone's lights will flash for a few seconds and then turn steady on. The remote controller will emit a beep sound, indicating that the calibration is complete.

### 4.Search for GPS satellite signal:

After completing the above steps, let the drone stay horizontal and still for about 40-60 seconds. The remote controller will emit a beep sound, and the GPS indicator light on the remote controller will stay green, indicating a successful satellite acquisition. The drone can now be unlocked and ready for takeoff.

### 5.Take off

To unlock, move the control sticks on the remote controller in a "figure-eight" pattern. The drone's propellers will start spinning, and by pushing the throttle stick upwards, the drone will take off.

### 6.Landing

Fly the drone to a safe and flat area above the ground. Gradually lower the throttle stick until the drone lands safely. Then, move the control sticks on the remote controller in a "figure-eight" pattern to lock the drone. After the propellers stop spinning, turn off the drone's power, and finally, turn off the remote controller's power.

Kind reminder: It is necessary to practice multiple times and master the takeoff and landing techniques before proceeding with long-distance flights.

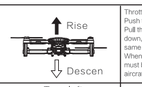
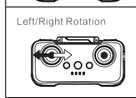
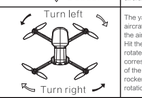
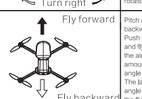
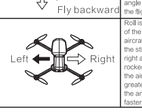
## Remote control video/picture shooting instructions

Remote control video button, tap to take pictures, long press video.





## Manipulation method

| | | |
|---|---|---|
| Throttle |   | Throttle is used to control aircraft lifting. Push the lever up and the vehicle goes up. Pull the lever down, the vehicle goes down,The altitude of the vehicle remains the same in the medium position. When the aircraft takes off, the throttle rocker must be pushed up over the median, the aircraft can take off from the ground |
| Left/Right Rotation  |   | The yaw rocker is used to control the aircraft's heading.Hit the stick to the left and the aircraft rotates counterclockwise. Hit the stick to the right and the aircraft rotates clockwise,The amount of rocker rod corresponds to the angular velocity of rotation of the aircraft, The greater the amount of rocker rod, the greater the angular velocity of rotation. |
| Forward/backward flight |   | Pitch is used to control the forward and backward flight of the aircraft. Push the rod upward to tilt the aircraft forward and fly forward, pull the rod downward to tilt the aircraft backward and fly backward, The amount of the rocker rod corresponds to the angle at which the aircraft tilts back and forth. The larger the rod amount, the greater the angle at which the aircraft tilts, and the faster the flight speed. |
| Left/Right Fly |   | Roll is used to control the left and right flight of the aircraft. Hit the stick to the left, the aircraft tilts to the left and flies to the left. Hit the stick to the right, the aircraft tilts to the right and flies to the right, The amount of rocker rod corresponds to the angle at which the aircraft is tilted from left to right. The greater the amount of rocker rod, the greater the angle at which the aircraft is tilted, and the faster the flight speed. |

Warn: When the drone is at a position 30 cm from the ground, the drone may become unstable due to the influence of its own blade vortex, which is called "ground effect response". When the drone is at a lower height, the impact of ground effect response is greater.

## Introduction to the function and operation of the remote controller

1.The drone is unlocked and locked

Figure1

Power on remote control (long press for 3 seconds)

2. Speed gear adjustment

MODE

When the unmanned aerial vehicle is successfully launched outdoors, the unmanned aerial vehicle needs to be unlocked for startup Unlock (the accelerator rocker is turned to the lower right corner, and the direction rocker is turned to the lower left corner) (Figure 1)At this time, the four propellers rotate at the same speed, indicating successful unlocking. When the unlocking is completed,The drone can operate and fly normally. Operate the inner eight locks of the handle again(The accelerator rocker is turned to the lower right corner, and the direction rocker is turned to the lower left corner)(Figure 1) At this time, the four propellers stop rotating at the same time, indicating successful locking.

The default speed setting for takeoff of the drone is set to slow mode. When the drone is flying in the air, you can adjust the speed using the button. The MODE green light indicates that the drone is currently in low-speed mode, while the MODE red light indicates that the drone is in high-speed mode. Long-pressing the button switches to the fast mode, which does not have obstacle avoidance function.





### 3. Adjust the camera

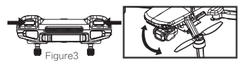
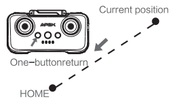


Figure3

The camera Angle can be adjusted by the button (Figure 3) during the flight of the UAV. Long press the left button to raise the Angle of the camera; long press the right button to lower the Angle of the camera.

### 4.One-buttonreturn

Long-press the Return-to-Home (RTH) button on the remote controller for 2 seconds, and the aircraft will execute the one-key return function.
Note: A. During the return process, if the aircraft's altitude is higher than 8 meters, it will maintain its current altitude. If the aircraft's altitude is lower than 8 meters, it will automatically ascend to 8 meters and then initiate the return-to-home process. B. While the aircraft is in the return-to-home mode, only the directional joystick can be operated. If you make any directional adjustments, the aircraft will cancel the automatic return-to-home and respond to your manual flight inputs.




SpecialNote:Duringthereturn-to-homeprocessofthedrone,theLEDlightinthemiddleofthe aircraftwillflashrapidly,andtheremotecontrollerwillemitcontinuous"beep"sounds.

### 5. American Hand/Japanese hand switch

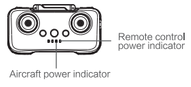
Left hand rocker accelerator, right hand rocker direction (default American hand, APP can adjust American hand and Japanese hand exchange)

### 6.The remote control sleeps

When the remote control is not connected to the aircraft for more than 5 minutes, the remote control enters the sleep mode.

### 7. Remote control indicator light

When the green light is always on, it is in the full power state. The green light flashes with a charge of less than 75%, the red light is always on with a charge of less than 50%, and the red light flashes with a charge of less than 25%




## App Software Installation Instructions (ApexFly)

1.Install mobile
Please scan the QR code below to download the mobile app from the corresponding website.

iOS Android

For Android systems, please go to Google Play, and for iOS systems, please go to the App store. Download and install the app. Search keyword: "Apex Fly"

2 Recommended model configurations

iOS

| Model | Recommend | Best (2K supported) |
|---|---|---|
| Product model | Phone 6 and above | IPhone 7 and above |
| System Version | IOS 9.0 and above | IOS 9.0 and above |

Android

| Model | Recommend | Best (2K supported) |
|---|---|---|
| CPU model | Snapdragon 636 and above<br>Samsung Exynos 7420 and above<br>MediaTek Helio X20 and above<br>Kirin 950 and above | Snapdragon 821 and above<br>Samsung Exynos 8890 and above<br>MediaTek Helio X30 and above<br>Kirin 970 and above |
| System Version | Android 5.0 and above | Android 8.0 and above |
| Memory size | 3GB and above | 6GB and above |
| CPU usage | Occupancy rate of 25% and below | Occupancy rate of 10% and below |





### 3、MobileAPPconnectionmethod

1.Open Drone
2.Open the remote control and place the phone on the remote control phone holder. Connect the phone to the remote control using a data cable.
3.Wait for 15s-30s. After the aircraft and remote controller successfully pair, the app will open automatically.

## App interface description

### ControlInterface-HomePage

### ControlInterface-ControlPage

WiFi - - - - - - - - Display the strength of the video transmission signal.
Satellite Signal - - - Indicates current flight mode and number of satellites. With seven or more satellites, GPS waypoint flight can be performed normally.
Battery - - - - - - - - Displaying the battery status of the remote control and the aircraft
Location and Speed Information - - - - - Displays the current aircraft height and distance from the return point, with A indicating height, D indicating distance, H indicating horizontal speed, and V indicating vertical speed.

### ControlPage-FunctionDescription

Waypoint mode - - - - - - - - In GPS mode, the aircraft will fly based on the location selected on the map.

Master Follow - - - - - - - - Click Master Tracking in Optical Flow mode, and the aircraft will follow the target character in flight. (See the expansion description for details)

Surround Mode - - - - - - - - In GPS mode, the aircraft nose will orbit clockwise or counterclockwise with the current position of the aircraft as the center of the circle. During the encircling process, it is possible to control the ascending, descending, advancing, and retreating for adjustment.

GPS Follow - - - - - - - - In GPS mode, click this button and the aircraft will follow the mobile phone in flight.

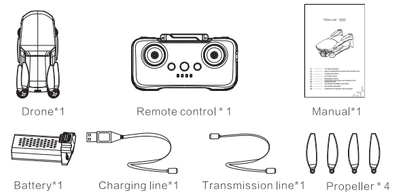
Palm control - - - - - - - - Click [Palm Control] in optical flow mode, and the aircraft will follow the palm to fly up and down. (See the expansion description for details)

50x zoom - - - - - - - - After opening, you can adjust the zoom factor of the lens view by adjusting the right slider. After the view is enlarged Swipe your finger across the screen to move the viewing range of the view.





## Standard accessories




## Guidelines for Frequently Asked Questions

| | Question | Cause | Resolvent |
|---|---|---|---|
| 1 | Drone indicator light flashing,no response during operation | 1. Unmanned aerial vehicle GPS failed to reach the satellite successfully<br>2. Drone power is insufficient | 1. Move the drone to an open place to search for stars again<br>2. Charging the battery |
| 2 | After opening the aircraft, the aircraft did not respond | The aircraft battery is dead | Just charge it |
| 3 | The drone's propeller rotates but cannot fly | 1. The propeller is incorrectly installed<br>2. Propeller deformation | 1. Install the propeller correctly<br>2. Replace the propeller |
| 4 | The drone vibrated violently | Propeller deformation | Replace the propeller |
| 5 | The drone's propeller rotates but cannot fly | 1. Propeller deformation<br>2. Poor motor | 1. Replace the propeller Send a professional to replace the motor |
| 6 | Restart the drone after the collision and fly uncontrollably | The three-axis acceleration sensor is out of balance due to impact | Let the drone sit for 5-10 seconds, and it's all right |

Made in China
**IM-G268-EN-01**



**材质：128g双铜**
**尺寸92*142.6mm**