AGE 14+

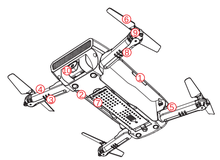
ELFIE PLUS (ELFIE+)

UPGRADED FOLDABLE DRONE
WITH GRAVITY SENSING CONTROL

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

Know Your ELFIE+

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



① Upper casing
② Lower casing
③ Up cover of arms
④ Down cover of arms(A)
⑤ Down cover of arms(B)
⑥ Propeller
⑦ Battery
⑧ Motor
⑨ Gear
⑩ Camera

Accessories

ELFIE PLUS (ELFIE+) x1
（Battery included）

Remote control x1

Backup propellers x4

USB charger x1

User manual x1

Protective bag x1

Phillips screwdriver x1

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.

PRE-FLIGHT PREPARATIONS

1.Flight Environment

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

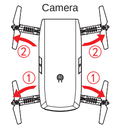
Outdoor: Sunny, windless and breezy weathers are preferred.

Please keep the drone in sight during the flight and keep it 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.Unfold Crankshafts

Unfolding Sequence:
①Unfold the rear crankshafts.
②Unfold the front crankshafts.(Near the camera)
Fold the crankshafts in reverse order.



3. Propellers Installation

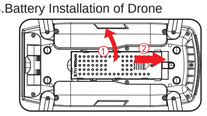
A corresponds to A
B corresponds to B

Release screws with screwdriver counter-clockwise and pull out the propellers, install the propellers correspondingly and screw on clockwise.

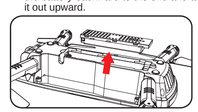
Notes:

When installing or dismantling the propeller,please do not exert force on the propeller to avoid distortion.

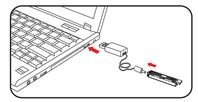
4.Battery Installation of Drone



A. Press the button on battery box, push the battery backward to the end and take it out upward.



B.Take out the battery upward.



C.Connect USB charging cable with the charging interface of the lithium battery.

Notes:

LED lights off when charging, LED lights on when finish charging. Charging time is about 70 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 and 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

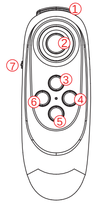
- Please use the charger from original factory to ensure your safe usage.
- Do not charge dilatant or outworn battery.
- Do not over charge battery. Please unplug the charger once fully charged.
- Do not charge the battery next to inflammables, such as carpet, timber floor or wood furniture or on the surface of electro-conductive objects. Please always keep an eye on the battery when charging.
- Do not charge battery which not cool down yet.
- The charging temperature should be between 0℃to 40℃.

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 THE REMOTE CONTROL

Different from ordinary remote control, this is a gravity sensing controller, which enables you to hold it in one hand and tilt it for drone direction control. For novice user who tries gravity controller for the first time, please read the user manual and operate it carefully.

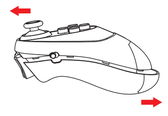


①High/Low speed
②Joystick
(one press to start/ press again to land)
③Headless mode
④Calibration (long press for 2 seconds)
⑤Emergency stop
⑥Light control
⑦Power switch

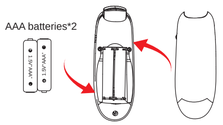
1.Battery Installation of Controller

①Opening Battery Cover

The battery box is located at the controller bottom, open the battery cover by sliding upper cover forward and lower cover backward hard.



②Loading Batteries



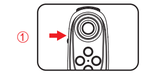
Open the cover of battery compartment, insert two AAA batteries (not included)

Notes：

1. Ensure the polarity symbols on the batteries match the symbols inside the battery compartment.
2. Do not mix new and old batteries.
3. Do not mix different types of batteries.

2.Pairing Remote Control With Drone

①Turn on the power of the drone; put the drone on plain ground; check whether the indicator lights of remote control and LED lights of drone flash.



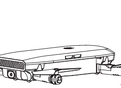
②Push the joystick （throttle） to the top and then pull back to the bottom. After the sounds of Di-Di, the flash of indicator lights of remote control and LED lights of drone will turn to constant lights, which means the pairing completes.

3.Calibration of Remote Control

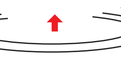
Calibrate the drone when it cannot vertically ascend. Press "Calibration"button and the indicator light of drone starts flashing. Then release all the buttons till the flash of the drone's indicator light turns to constant light. Thus the calibration completes.Ensure the whole process of calibration is operated under horizontal and steady circumstances.

⚠Operating Precautions For Gravity Sensing Remote Control

①Hold the controller in horizontal position without any tilt before starting your flight.



②Keep the drone at least 3 meters away from you for the first time you try gravity sensing controller.



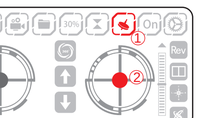
③When you hold the controller upwards and it faces to you right ahead, the drone will fly backward towards your position. Please operate it carefully in this state to avoid being hit by drone and/or other accidents.

④In case of emergency, press "Stop" button immediately.

FLY WITH REMOTE CONTROL

1.One-Key Start

Before flying, hold the controller in horizontal position.
①Press "Calibration" button for routine calibration.
②Press "One-key Start" button, push the joystick forward lightly to fly the drone.



2.Joystick

Use the joystick to control the flight altitude and left /right turn.

3.Gravity Sensor Control

Tilt the controller to control the drone flying forward/ backward or left/right sideward.

4.Hover

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

KNOW YOUR REMOTE CONTROL APP

1.Wifi Connection

①Use your phone to scan the QR code, download and install the control software: 'JJRC'. Android, Android(Google Play) and iOS are all supported.

Android
Android
（Google Play）
iOS
JJRC

②Turn on the drone and the lights will flash;turn on your mobile phone to connect WIFI (UAV-***), as shown in figure.

2.APP Interface Instruction

FLY WITH APP

1.Remote Control Frequency Pairing

Click ①"ON", then click ② "Altitude Hold" for remote control frequency pairing.

2.One-Key Start

Click "One-key Start" to activate the motor and propellers.

3.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

Hover

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

4.Take Selfies

In the Altitude Hold mode, you can control the drone to turn the camera back to itself, then click the camera button on the screen to take selfies.

5.Gravity Sensor Control

Click to enter Gravity Sensor Control, put your right hand thumb on the right joystick, and move the phone towards any direction for remote control.

6.Fine-Tunning

If the drone rotates or yaws, click the fine-tunning to the reverse direction of yawing till the yaw is adjusted and the drone stays oriented at the control.

7.One-Key Reset

When deviating from course due to crash, please control the drone back to a horizontal plane and click "One-key reset" for gyro calibration and take-off again.

Notes:

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

8.Flight Planning

When the drone takes off, click "flight planning" button to activate flight path mode. Draw a path in the blank, and the drone would perform the flight path at the altitude as you pilot and fly on its own.

9.Beauty Mode

The built-in beauty mode on camera can automatically beautify images to deliver improved and stunning images with outstanding qualities.

Before
After

FAQ

PROBLEMS	CAUSES	SOLUTIONS
Control failure	Not connect with the drone battery.	Connect the drone battery in right way.
	Too strong wind force.	Do not fly in windy days. The performance and the control of the drone will be affected by the strong winds.
Fail to ascend	The rotation speed of main blades is too slow.	Push up the throttle joystick.
	The battery of the drone is not fully charged.	Please full charge the drone.
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 that the flying distance is within 30 meters.

JJRC TECHNICAL SUPPORT

Dear Customer,

Thank you for choosing JJRC product. Please visit JJRC official website for more FAQ and information if there is any problem of using our product.

-Product Operation: Please visit JJRC College for tutorial video or user manual.
-Product Features: Please refer to product page description or product brochure.
-After-sale Service: Please refer to conditions and terms of after-sale service.
The final interpretation right belongs to all JJRC.

Should you have any further questions, please visit JJRC Online Feedback and leave your message.

Thank you again for your support!

JIANJIAN TECHNOLOGY CO.,LTD.
www.jjrc-tech.com

Warning: Changes or modifications to this unit 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.

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.

"FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC' s RF exposure guidelines, place the drone at least 20cm from nearby persons."