



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 Circuit board
- 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

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 hoariness, coldness, strong wind or heavy rain.

2. Unfold Crankshafts

Unfolding Sequence:

- Unfold the rear crankshafts.
- Unfold the front crankshafts (Near the camera). Fold the crankshafts in reverse order.

3. Propellers Installation

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

A corresponds to A

B corresponds to B

Notes:

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

4. Battery Installation of Drone

A. Open the battery cover at the bottom of the drone.

B. Unplug the power connector to remove the battery.

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

Notes:

LED lights on when charging, LED lights off 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 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 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°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 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 uses gravity controller for the first time, please read the user manual and operate it carefully.

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

1. Battery Installation of Controller

① Opening 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.

② Loading Batteries

AA batteries*2

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

Notes:

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

2. Pairing Remote Control With Drone

- Turn 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.
- Push 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

- Hold the controller in horizontal position without any tilt before starting your flight.
- Keep the drone at least 3 meters away from you for the first time you try gravity sensing controller.
- When 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.
- In case of emergency, press "Stop" button immediately.

FLY WITH REMOTE CONTROL

1. One-Key Start

Before flying, hold the controller in horizontal position.

- Press "Calibration" button for routine calibration.
- Press "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

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

- Return
- Video
- Speed Control: 30%/60%/100%
- Gravity Sensor Control
- More Settings
- Camera Reverse
- Emergency Stop
- Left Joystick (throttle)
- Photo (Album/video)
- Altitude Hold
- Show/Hide Steering Wheel
- 360° Flip&Roll
- One-key Landing
- 3D Display
- One-key Reset
- Flight Planning
- Right Joystick (rudder)

FLY WITH APP

1. Remote Control Frequency Pairing

Click "ON", then click "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 selfie.

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-Tuning

If the drone rotates or yaws, click the fine-tuning 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.

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 Operator: 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!

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