JJRC

AGE 14+

BABY ELFIE
MINI FOLDABLE DRONE WITH DUAL REMOTE CONTROL MODE

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

KNOW YOUR BABY ELFIE

With 2.4G frequency band for long remote control distance, BABY 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 Propeller
④ Up cover of arms
⑤ Down cover of arms(A)
⑥ Down cover of arms(B)
⑦ Circuit board
⑧ Motor
⑨ Gear
⑩ Flashing lights
⑪ Lampshade
⑫ Camera

Accessories

BABY ELFIE x1 (Battery included)
Backup propeller x4
Remote control x1
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.
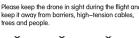
Outdoor: Sunny, windless and breezy weathers are preferred.

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 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.

Camera

3. Propellers Installation

A corresponds to A
B corresponds to B

Front

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 both ends of battery 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 60 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 or 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.
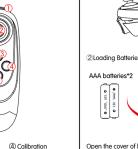
Battery Charging
· Please use the charger from original factory to ensure your safe usage.
· Do not charge dilatant or outworn battery.
· Do not over charge battery. Please unplug the charger once fully charged.
· Do not charge the battery next to inflammables, such as carpet, timber floor or wood furniture 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
④ Calibration (long press for 2 seconds)
⑤ Emergency stop
⑥ Light control
⑦ Power 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

AAA batteries*2

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 your 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.

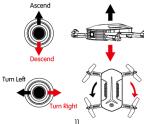④In case of emergency, press "Stop" button immediately.

Emergency stop

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.

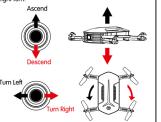Joystick (one press to start/ press again to land)
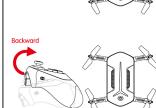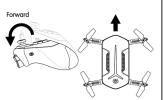Calibration (long press for 2 seconds)
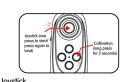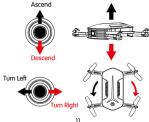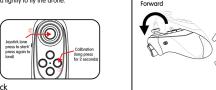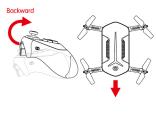
2.Joystick
Use the joystick to control the flight altitude and left / right turn.

Ascend
Descend
Turn Left
Turn Right

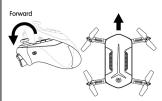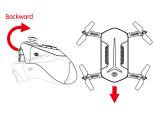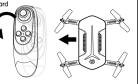## 3.Gravity Sensing Control
Tilt the controller to control the drone flying forward/ backward or left/right sideward.

Forward
Backward

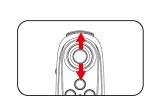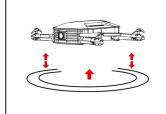Left Sideward
Right Sideward

4.Hover
When you release the 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)
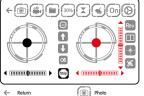iOS
JJRC

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

Setting
Wi-Fi
JJRC-#####

2.APP Interface Instruction

← Return
Video
30% Speed Control: 30%/60%/100%
Gravity Sensor Control
More Settings
One-key Start
Camera Reverse
Headless Mode
Emergency Stop
Left Joystick（throttle）
Left/Right Rotation Fine-tuning
Left/Right Sideward Fine-tuning

Photo
Document（album/video）
Altitude Hold
Show/Hide Steering Wheel
360° Flips&Rolls
One-key Landing
3D Display
One-key Reset
Flight Planning
Right Joystick（rudder）
Forward/ Backward Fine-tuning

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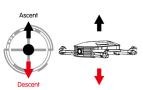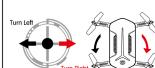Click "One-key Start" to activate the motor and propellers.

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.
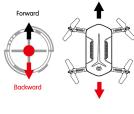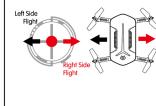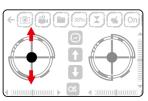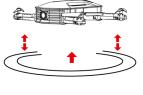
Left Joystick
Ascent
Descent
Turn Left
Turn Right

Right Joystick
Forward
Backward
Left Side Flight
Right Side Flight
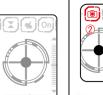
Hover
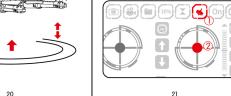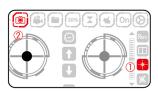When you release the left joystick (throttle) after the ascent/descent action, the drone will hover at a certain height.

4.Take Selfies
In the Altitude Hold mode, you can control the drone to turn the camera towards yourself, then click the camera button on the screen to take selfies.
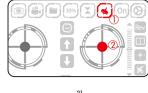
5.Gravity Sensor Control
Gravity Sensor Control: Click to enter Gravity Sensor Control, put your right hand thumb on the right joystick, and move the phone towards any direction for remote control.
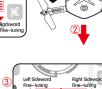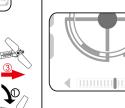

6.Fine-Tuning
If the drone rotates or yaws, click the "Fine-Tuning" to the reverse direction of yawing till the yaw is adjusted and the drone stays oriented at the control.
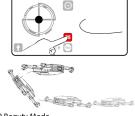
Left Rotation Fine-tuning
Right Rotation Fine-tuning
Forward Fine-tuning
Backward Fine-tuning
Left Sideward Fine-tuning
Right Sideward Fine-tuning

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
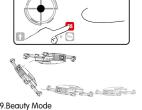When the drone takes off, click "Flight Planning" button to activate flight path mode. Draw a path in the blank, and the drone would perform the flight path at the altitude as you pilot and fly on its own.
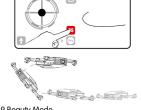
9.Beauty Mode
The built-in beauty mode on camera can automatically beautify images to deliver improved and stunning images with outstanding qualities.
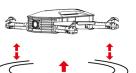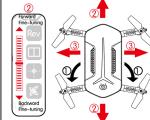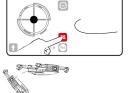
Before
After

FAQ

PROBLEMS	CAUSES	SOLUTIONS
Control failure	Not connect with the quadcopter battery.	Connect the quadcopter battery in right way.
	Too strong wind force.	Do not fly in windy days. The performance and the control of the quadcopter 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 quadcopter is not fully charged.	Please full charge the quadcopter.
Landing too soon	The throttle joystick is pulled down too fast.	Pull down the throttle joystick slowly to perform a smooth landing.
Out of control	Beyond the effective controlling distance.	Ensure that the flying distance is within 30 meters.