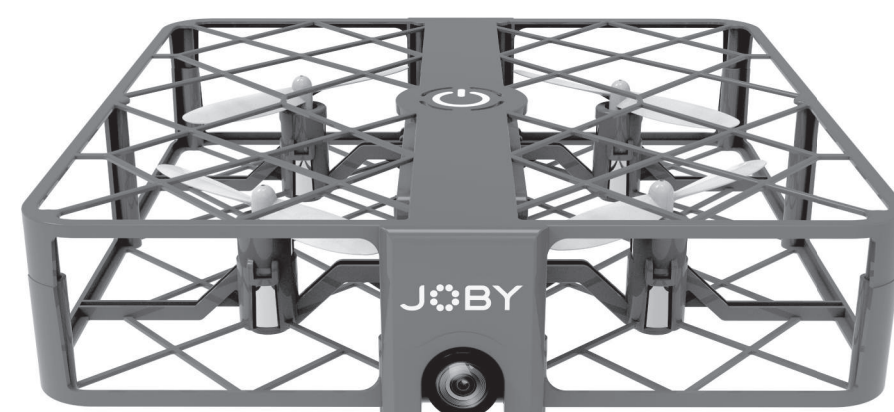
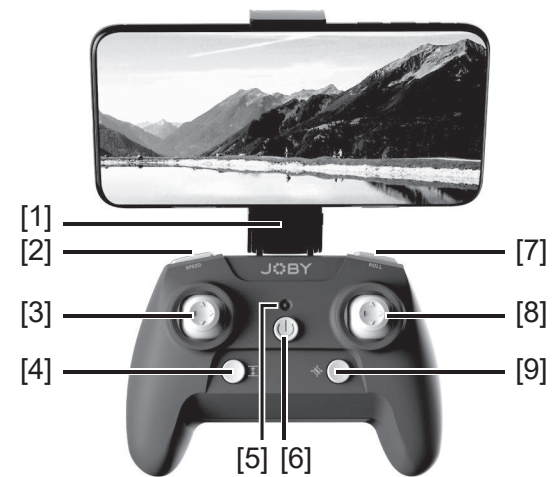


JOBY Fly X Instruction manual



Remote Controller Introduction



- [1] Phone Clamp
- [2] Speed Adjustment Button
- [3] Left Control Stick (Throttle/Pan)
- [4] Takeoff/Landing Button (Emergency Stop when press and hold)
- [5] Power Indicator Light
- [6] Power Button
- [7] Flip Button
- [8] Right Control Stick (Pitch/Roll)
- [9] Headless Mode Button

Install the Controller Batteries

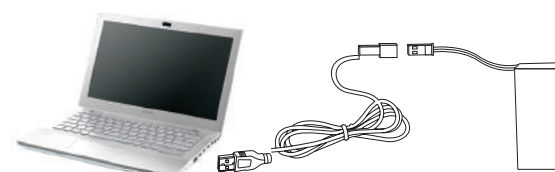
Open the battery cover on the back of the remote controller. Install three AAA alkaline batteries according to the polarity indicated in the battery compartment. Then securely close the battery cover. (Batteries not included. Do not mix new and old or different types of battery).



Please be sure to read this manual carefully before operating the drone. Do keep this manual for future reference.

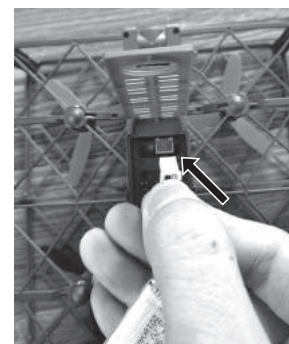
Charging the Drone Battery

Connect the supplied USB charging cable to an USB-A power supply (Not included. 5V/0.6A). At this time, the charging indicator light will not illuminate. Then, connect the drone battery to the charging cable, and the red indicator light will come on, meaning it's charging. The indicator light will go off when the battery is fully charged in about 90 minutes.

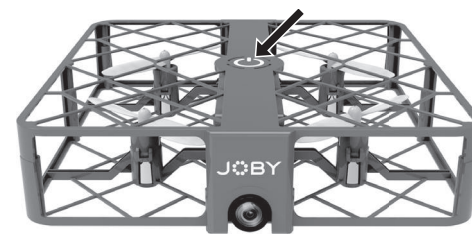


Prepare to fly

- Choose an open indoor space or an outdoor environment with no rain, snow, and wind less than level 4 to fly. Avoid crowded places with people, animals, traffics and obstacles.
- Slide and lift open the battery compartment door on the bottom of the drone. Plug the drone battery into the power plug (in white) in the battery compartment (Fig. 1). Pay attention to the plug orientation and don't force in. Close the battery compartment door and then press the power button (Fig. 2) to turn on the drone. The indicator light on the back of the drone will start flashing. Place it on a flat surface and wait for pairing.



(Fig. 1)



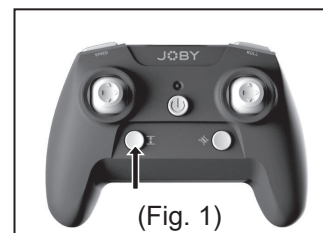
Press and hold the power button for 3 seconds
(Fig. 2)

- Press the power button ①, push the left control stick (throttle) up to the highest position and hold for 1-2 seconds ②, then push the throttle down to the lowest position ③. When you hear a "beep" sound, and the indicator light on the drone becomes steady, release the throttle. At this point, the pairing process is complete, and you are ready to fly.

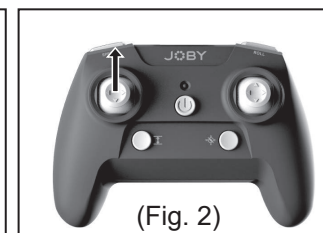


Takeoff, Landing and Power Off

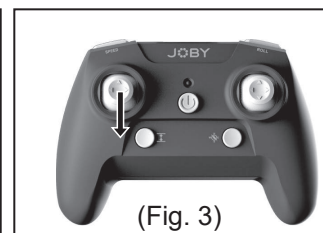
- To take off, there are two methods. (a) Press the takeoff/landing button (Fig. 1), (b) Push the throttle stick upward gradually (Fig. 2), the propellers will start spinning at low speed, then push the throttle stick upward gradually again (Fig. 2), the drone will take off. When the drone reaches the specific altitude you like, release the throttle stick, and the drone will hover at around that altitude.
- To land, press the takeoff/landing button (Fig. 1) during the flight, or continuously pull the throttle stick down (Fig. 3). It will descend slowly to the ground and the propellers will shut down.
- Emergency Stop: In case of emergency that requires an immediate stop of flight, press and hold the takeoff/landing button (Fig. 1) to activate the emergency stop. The propellers will shut down immediately and the drone will quickly cease operation and fall. Use this only in an emergency when you need to avoid further damage to the surrounding objects.
- To turn off the drone, press and hold the power button of the drone for 3 seconds. To turn off the controller, press the power button of the controller.



(Fig. 1)



(Fig. 2)



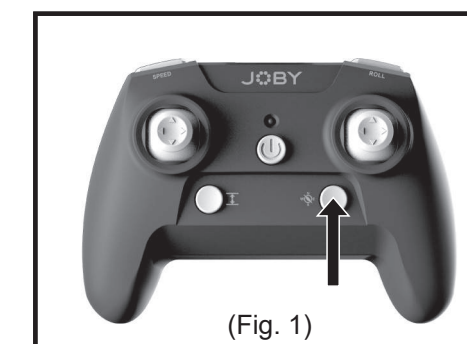
(Fig. 3)

In-flight Control and Adjustment

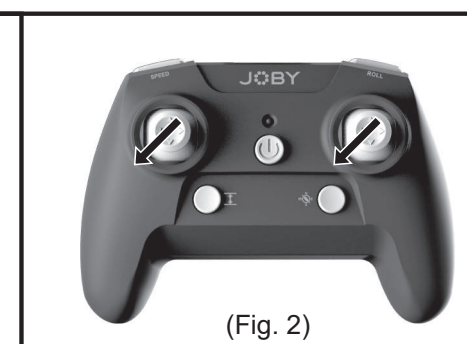
Up/Down	Push the left control stick up to ascend. Pull it down to descend.		
Turn Left/Right	Push the left control stick left to turn left. Push it right to turn right		
Forward/Backward	Push the right control stick up to fly forward. Pull it down to fly backward.		
Slide Left/Right	Push the right control stick left to slide left. Push it right to slide right.		
Slide Left/Right Adjustment	If the drone veers to the left or right while hovering, hold down the speed adjustment button and then move the right control stick to the right or left until it stabilizes.		
Forward/Backward Adjustment	If the drone tilts forward or backward while hovering, hold down the speed adjustment button and then push the right control stick down or up until it stabilizes.		

Other Features

- Low Power Warning: this drone has a safety alert feature designed specifically for situations where the battery is low, causing the drone to land in distant or unsafe areas. When the battery is low, the LED light on the drone changes from steady to flashing as a warning. At this point, you should promptly retrieve the drone, replace the battery, or charge the battery before flying again.
- Headless mode: a feature that eliminates the need to understand the orientation of the drone when it is in flight. In headless mode, the controls are relative to the user's position rather than that of the drone itself. It can be activated or deactivated by pressing the headless mode button (Fig. 1).
- Reset Leveling: When the drone hovers significantly off-center, you can recalibrate the drone's midpoint to improve its hover state. Place the drone on a flat surface, then simultaneously moving both control sticks on the controller to the lower-left corner for about 3 seconds (Fig. 2). Once the indicator lights on the drone flash and then return to a steady state after approximately 3 seconds, the recalibration is complete.

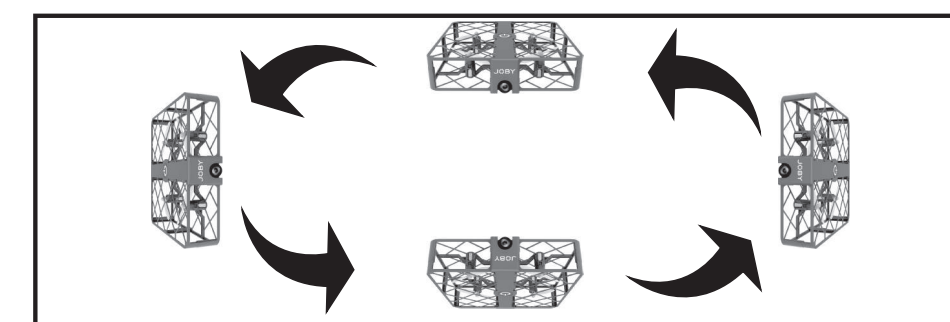


(Fig. 1)



(Fig. 2)

- Throw Launch: The drone utilizes a 6-axis gyroscope, enhancing its playability. By throwing the drone outward or flipping it upwards while pushing the throttle stick up, the drone can smoothly hover in mid-air.
- Flip Mode: Press the flip button to activate flip, the controller's indicator light will flash and emit a continuous "beep" sound. Ascend the drone to an altitude of over 2 meters, then push the right control stick in any direction and release it. The drone will flip in the corresponding direction. Press the flip button again to deactivate flip mode.



Wi-Fi FPV Instruction

- Scan the corresponding QR code using your smartphone to download and install the "VS FPV" app.



iOS



Android

- First, pair the drone with the controller as previously instructed. Enable Wi-Fi in the Settings menu on your phone and locate the "JOBY-*****" network. Click to connect, and exit the settings once it's connected.

- Open the "VS FPV" app to access the welcome screen (Fig. 1). Click on the "CONNECT" button to enter the main interface (Fig. 2). The drone camera image should show up on the screen soon.



App Help (Fig. 1)



(Fig. 2)

- Insert the phone holder into the slot on top of the controller, then secure your phone in the holder. When you don't need to use the phone holder, you can remove it by unplugging it from the controller.



- Click the "Photo Camera" icon on the top menu to capture photos. Click the "Video Camera" icon to start recording the video. To stop recording, click the "Video Camera" icon again. You can click the "Folder" icon to view your photos and videos.

- If you want to control the drone using your smartphone, simply turn off the controller and remove your phone from the holder. Click the "On/Off" icon on the top menu to enter smartphone control mode where virtual control sticks will show up. Follow the same takeoff and landing procedures as the physical controller.

- Click the "?" icon on the welcome screen to enter app help to learn more about the app.

FAQ and Troubleshoot

Problem	Reason	Solution
Drone indicator light blinking Not responding to controls.	1. The drone and the controller haven't successfully paired. 2. Insufficient battery power in the drone.	1. Refer to the "Prepare to fly" section to pair the devices again 2. Charge the battery.
Drone's propellers are spinning but it doesn't takeoff.	1. Insufficient battery power. 2. Damaged propellers.	1. Charge the battery, 2. Replace the propellers.
Drone shakes intensely.	Damaged propellers.	Replace the propellers.
The drone still drift while hovering even though the slide and pitch adjustment are maxed out.	1. Damaged propellers. 2. Cause by wind.	1. Replace the propellers. 2. Drifting is inevitable since it's not a GPS-powered drone so it will be pushed by wind.
After a collision, the drone flies erratically in the next flight.	The 3-axis accelerometer lost balance due to the collision.	Let the drone sit still for 3-5 seconds, and it should return to normal.

Precautions for Using Lithium Batteries

- The use of lithium batteries carries inherent risks and may lead to significant harm to individuals and property. Users assume all related responsibilities. Manufacturers and distributors do not control battery usage (charging, discharging, and storage), nor do they accept liability for any harm to individuals or property caused by such usage.
- In case of battery leakage, avoid contact between the liquid and your skin or eyes. If it comes into contact with your skin, immediately wash it with soap and water. If it comes into contact with your eyes, rinse with plenty of cold water and seek medical attention immediately.
- If the charger emits suspicious odors, noise, or smoke, disconnect the power source immediately.
- Strictly adhere to the following requirements to avoid fire, electrical shock, or explosions.
- Charge the battery only with the specialized charger provided by the manufacturer, and do not use damaged or other chargers.
- Do not charge swollen, leaking, or damaged batteries.
- Do not overcharge the battery. Once the battery is fully charged, please unplug the charger. After charging is complete, do not recharge the battery to prevent overheating.
- Do not charge the battery near flammable materials or on the surfaces of flammable (carpets, wooden floors, solid wood furniture, etc.) or conductive objects. Always monitor the battery while charging.
- Do not charge the battery immediately after use when it is still hot.
- Charge the battery only in the location with temperature between 0°C and 40°C.
- Do not use batteries that are swollen, leaking, damaged, or emitting odors.
- Keep batteries out of the reach of children.
- Do not place the battery in a fire, avoid contact between the battery and liquids. The device should not be exposed to rain or placed in a humid environment. Do not put the battery in a microwave or pressure cooker.
- Do not disassemble, drill, deform, or cut the battery. The battery or charger should not bear heavy objects. Avoid dropping the battery.
- Do not use solvents, industrial alcohol, or other flammable solvents to clean the charger.
- Prevent short circuits. Avoid direct contact with the electrolyte substance in the battery; electrolyte and electrolyte vapors can be harmful to the body.
- Store the device indoors. Do not expose the device to extreme temperatures. Avoid significant temperature changes in the storage location of the device.
- Do not place the product near heat sources.
- Remove the battery when the device is not in use. Keep a 50% charge during storage to prolong the life of the battery.
- Unplug the charger when not charging the battery.

Thank you for purchasing a JOBY product. JOBY products are warranted to be fit for the purpose for which they have been designed, and to be free from defects in materials and workmanship. This guarantee does not cover the product against subsequent damage or misuse. The period of validity of the Standard Limited Warranty is defined by the law in force in the country, state or region where the product is sold. Please retain your receipt as proof of purchase to repair your product under warranty.

DECLARATION OF CONFORMITY

Compliance for USA
FCC Class B Information

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.

CERTIFICATIONS

FCC ID: 2A0K5-JB01966

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:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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