

REDRIE JY02

REDRIE JY02 Drone User Manual

Comprehensive instructions for setup, operation, and maintenance of your REDRIE JY02 Drone.

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1. INTRODUCTION

Thank you for choosing the REDRIE JY02 Drone. This foldable drone is designed for beginners, offering a stable flight experience with features like a 1080P HD camera, Altitude Hold, Headless Mode, and various intelligent flight functions. Please read this manual thoroughly before operating the drone to ensure safe and optimal performance.

2. SAFETY GUIDELINES

Operating a drone requires attention to safety. Adhere to the following guidelines:

- **Open Area Flying:** For your first flight, choose an open area free from obstacles, people, and animals.
- **Weather Conditions:** Avoid flying in strong winds, rain, or other adverse weather conditions.
- **Line of Sight:** Always maintain visual line of sight with your drone during flight.
- **Battery Safety:** Use only the provided charging cables and batteries. Monitor batteries during charging. Lithium-ion batteries require careful handling; avoid overcharging or physical damage.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers. Install propeller guards before flight.
- **Age Recommendation:** This drone is suitable for kids and teens. Adult supervision is recommended for younger users.
- **Emergency Stop:** Familiarize yourself with the emergency stop function on the remote control.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- REDRIE JY02 Drone x 1
- Remote Control x 1
- Drone Batteries x 2
- AAA Batteries x 3 (for remote control)
- USB Charging Cables x 2
- Spare Blades x 4
- Protective Guards x 4
- Screwdriver x 1
- User Manual x 1
- Carrying Case x 1



Image: Contents of the REDRIE JY02 Drone package, showing the drone, remote control, two drone batteries, three AAA batteries, two USB charging cables, four spare blades, four protective guards, a screwdriver, the user manual, and a carrying case.

4. SETUP GUIDE

4.1. Battery Charging

Ensure both drone batteries and remote control batteries are fully charged before first use.

- **Drone Batteries:** Connect the drone battery to the USB charging cable. Plug the USB end into a 5V/1A USB adapter (not included). The indicator light on the charger will show charging status and turn off when fully charged. Charging time is approximately 90 minutes per battery.
- **Remote Control Batteries:** Open the battery compartment on the back of the remote control and insert 3 AAA batteries (included), observing polarity.



Image: Two 1200mAh drone batteries, highlighting the extended flight time of up to 25 minutes with both batteries.

4.2. Propeller Guard Installation

For beginner pilots, it is highly recommended to install the propeller guards to protect the blades from damage during collisions.

1. Identify the four propeller guards.
2. Gently snap each guard onto the corresponding motor arm of the drone. Ensure they are securely fastened.

4.3. Drone Unfolding

The REDRIE JY02 drone features a foldable design for portability.

1. Gently unfold the front arms of the drone until they lock into place.
2. Unfold the rear arms in the same manner.
3. Ensure all arms are fully extended and locked before flight.

4.4. App Download and Installation

To access advanced features and FPV live video, download the "Redrie Fly" app on your smartphone.

- Scan the QR code in the manual or search for "Redrie Fly" in your device's app store (iOS/Android).
- Install the app and grant necessary permissions.

4.5. Pairing the Drone and Remote Control

1. Place the drone on a flat, level surface.
2. Press and hold the power button on the drone until the indicator lights flash.
3. Turn on the remote control.
4. Push the left joystick (throttle) up to its maximum position, then pull it down to its minimum position. The drone lights will stop flashing and remain solid, indicating successful pairing.
5. **Connect to Wi-Fi (for FPV):** On your smartphone, go to Wi-Fi settings and connect to the drone's Wi-Fi network (usually named "Redrie_XXXXXX"). Open the "Redrie Fly" app to view the live feed.

5. FLIGHT OPERATION

5.1. Basic Flight Controls



Image: Visual representation of the drone's easy-to-fly features for beginners, including One Key Start/Landing, Headless Mode, and Altitude Hold.

- **One Key Start/Landing:** Press the One Key Start button on the remote control to automatically take off and hover at a certain altitude. Press it again to land the drone gently.
- **Altitude Hold:** The drone maintains a stable altitude automatically, making it easier to control and capture steady footage.
- **Headless Mode:** In Headless Mode, the drone's orientation is relative to the pilot, regardless of the drone's actual front direction. Press the Headless Mode button to activate/deactivate.
- **3 Speed Modes:** Press the speed switch button on the remote to cycle through 3 different speed settings (low, medium, high) to match your flying skill level.

5.2. Advanced Flight Functions

- **3D Flip:** While flying, press the 3D Flip button and then move the right joystick in any direction to perform a 360-degree flip.



Image: The REDRIE JY02 drone executing a 360-degree flip maneuver.

- **Waypoint Fly:** In the "Redrie Fly" app, draw a desired flight path on the screen. The drone will automatically follow this path.



Image: A drone flying along a Waypoint path, as controlled via a smartphone app.

- **Circle Fly:** Activate this function via the app, and the drone will fly in a circular path around a designated point.

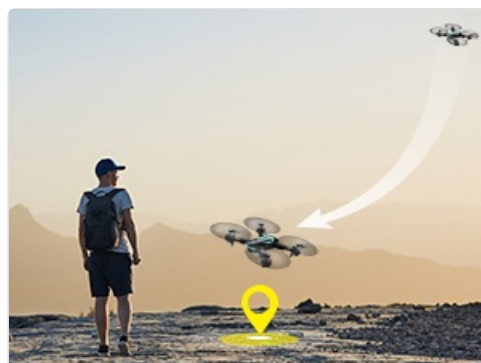


Image: A drone executing a Circle Fly maneuver around a person on a dock.

- **Rotation Fly:** The drone can perform a rotation in place. Refer to the app for activation.

- **Gesture Selfie:** Use specific hand gestures in front of the camera to trigger photo or video recording.



Image: The 1080P WiFi camera of the drone, demonstrating how to take photos and videos using hand gestures.

- **Voice Control:** Certain flight commands can be issued via voice through the "Redrie Fly" app.



Image: A user interacting with the drone using voice commands for flight control.

5.3. Camera Operation

The drone is equipped with a 1080P HD camera for aerial photography and video recording.

- **Live FPV:** Connect your smartphone to the drone's Wi-Fi and open the "Redrie Fly" app to view real-time footage from the drone's camera.
- **Photo/Video Capture:** Use the dedicated buttons on the remote control or the app interface to take photos or start/stop video recording.
- **Adjustable Angle:** The camera angle can be adjusted manually before flight to achieve desired shots.

6. MAINTENANCE

Regular maintenance ensures the longevity and performance of your drone.

- **Propeller Inspection:** Regularly check propellers for cracks, bends, or damage. Replace any damaged propellers using the provided spare blades and screwdriver.
- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using harsh chemicals.
- **Battery Storage:** Store batteries in a cool, dry place away from direct sunlight. For long-term storage, charge batteries to about 50% capacity.
- **Motor Care:** Keep motors free from dust and debris. Do not attempt to lubricate the motors.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drone does not respond to remote.	Not paired, low battery, interference.	Re-pair the drone and remote. Charge batteries. Fly in an open area away from Wi-Fi signals.
Drone drifts during flight.	Not calibrated, windy conditions.	Perform gyroscope calibration (refer to app/manual for specific steps). Avoid flying in strong winds.
Poor camera image/video quality.	Lens dirty, poor lighting, Wi-Fi interference.	Clean the camera lens. Fly in well-lit conditions. Ensure strong Wi-Fi connection to the drone.
Short flight time.	Battery not fully charged, old battery.	Ensure batteries are fully charged. Consider replacing old batteries if performance degrades significantly.

8. SPECIFICATIONS

Feature	Detail
Brand	REDRIE
Model Name	JY02
Drone Weight	4.6 oz / 131 g
Folded Dimensions	15 x 15 x 6 cm
Unfolded Dimensions	21 x 19 x 6 cm
Flight Time	Up to 25 minutes (with 2 batteries)
Drone Battery	Li-Po 3.7V 1200 mAh
Charging Time	Approx. 90 minutes per battery
Control Distance	Up to 328 ft / 100 m
Camera	1080P HD (2 MP Effective Still Resolution)
Connectivity	Wi-Fi (FPV, App Control)
Skill Level	Beginner
Material	Plastic

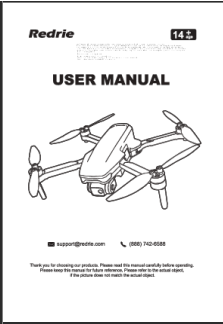
Feature	Detail
Special Features	360 Degree Flip, One Key Rotation, Altitude Hold, Headless Mode, Gesture Selfie, Waypoint Fly, Circle Fly, Voice Control, 3 Speed Modes

9. SUPPORT & WARRANTY

REDRIE is committed to providing excellent customer service.

- **Customer Support:** If you encounter any issues with your drone, remote control, or the "Redrie Fly" app, please contact the seller directly for prompt assistance. 24-hour service support is available.
- **Warranty Information:** For details regarding product warranty, please refer to the documentation provided at the time of purchase or contact REDRIE customer support.

Related Documents - JY02

 The image shows the front cover of the Redrie HK33 Drone User Manual. At the top left is the 'Redrie' logo. In the top right corner, 'HK33' is printed in a bold, black font. The center of the cover features the words 'USER MANUAL' in a bold, black font. Below this text is a detailed line drawing of the HK33 drone, showing its four rotors and camera. At the bottom left, there is a small icon of an envelope followed by the email address 'support@redrie.com'. To the right of the email is a telephone icon followed by the phone number '(886) 742-0588'. At the very bottom, there is a small line of text that reads: 'Thank you for choosing our products. Please read this manual carefully before operating. Please keep this manual in a safe place. Please refer to the manual when you need it. If the picture does not match the actual object.'	<p>Redrie HK33 Drone User Manual: Features, Operation, and Safety</p> <p>Comprehensive user manual for the Redrie HK33 drone, covering product features, flight preparation, operation, app functions, specifications, and troubleshooting. Learn how to fly safely and maximize your drone experience.</p>
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