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› REDRIE JY02 Drone Instruction Manual

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REDRIE JY02 Drone Instruction Manual

Model: JY02 | Brand: REDRIE

INTRODUCTION

The REDRIE JY02 Foldable Drone is designed for beginners and experienced pilots alike, offering a stable flight experience with advanced features. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your drone to ensure a safe and enjoyable flying experience.

WHAT'S IN THE BOX

Upon opening your package, please verify that all the following components are included:

- JY02 Drone x 1
- Remote Control x 1
- Drone Batteries x 2 (Lithium Polymer 3.7V 1200 mAh)
- AAA Batteries x 3 (for remote control)
- USB Charging Cable x 2
- Spare Blades x 4
- Protective Guards x 4
- Screwdriver x 1
- User Manual x 1



Image: The REDRIE JY02 drone, remote control, two batteries, charging cables, spare propellers, propeller guards, and a carrying case.



Image: A detailed diagram illustrating all components included in the package, such as the drone, remote, batteries, and tools.

SETUP

1. Charging the Drone Batteries

Connect the drone batteries to the provided USB charging cables. Plug the USB end into a standard USB power 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. Ensure batteries are fully charged before first use.

2. Installing Remote Control Batteries

Open the battery compartment on the back of the remote control and insert 3 AAA batteries, ensuring correct polarity. Close the compartment securely.

3. Preparing the Drone for Flight

- **Unfold the Drone Arms:** Gently unfold all four arms of the drone until they click into place.
- **Install Propeller Guards:** For beginner pilots or indoor flight, attach the four protective propeller guards to the drone's arms. This helps prevent damage during minor collisions.
- **Install Drone Battery:** Insert a charged drone battery into the battery slot on the drone until it is securely in place.

OPERATING INSTRUCTIONS

1. Power On and Pairing

1. Place the drone on a flat, level surface.
2. Press and hold the power button on the drone until the indicator lights turn on.
3. Turn on the remote control. The drone's lights will flash, indicating it is searching for a signal.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone lights will become solid, indicating successful pairing.

2. Calibration

After pairing, perform a gyroscope calibration by pushing both joysticks down and to the right simultaneously. The drone's lights will flash rapidly and then become solid, indicating successful calibration. This ensures stable flight.

3. Take-off and Landing

- **One Key Start:** Press the One Key Take-off/Landing button on the remote control. The drone will automatically ascend and hover at a stable height.
- **Manual Take-off:** Gently push both joysticks outwards and downwards to start the propellers. Then, slowly push the left joystick (throttle) upwards to ascend.
- **One Key Landing:** Press the One Key Take-off/Landing button again. The drone will automatically descend and land gently.
- **Manual Landing:** Slowly pull the left joystick (throttle) downwards until the drone lands. Once landed, pull both joysticks outwards and downwards to stop the propellers.

USER FRIENDLY

Easy Fly Control for Diverse Users



Image: Visual representation of the drone's user-friendly features like One Key Start/Landing, Headless Mode, and Altitude Hold for easy control.

4. Flight Modes and Functions

- **Altitude Hold:** The drone maintains a stable height automatically, making it easier to control and capture steady footage.
- **Headless Mode:** In this mode, the drone's orientation is relative to the pilot, eliminating the need to adjust its position before flight. Press the Headless Mode button to activate/deactivate.
- **3 Speed Modes:** The drone offers Low, Medium, and High-speed settings. Press the speed switch button to cycle through the modes, suitable for different skill levels and environments.
- **360° Flip:** Press the 360° Flip button and then move the right joystick in any direction to perform an aerial flip.
- **Waypoint Fly:** Using the "Redrie Fly" app, draw a flight path on your screen, and the drone will automatically follow the designated route.
- **Gesture Selfie:** While in the air, make a "V" gesture with your hand to take a photo, or a "Palm" gesture to start recording video.
- **Circle Fly:** Activate this function via the app, and the drone will fly in a circular path around a designated point.

- **Rotation Fly:** The drone can perform continuous rotations in the air, adding dynamic movement to your flights.
- **Voice Control:** Use the "Redrie Fly" app to control the drone with voice commands such as "Fly," "Land," "Forward," "Backward," "Left," "Right," "Photo," or "Record."



Image: Illustrations demonstrating the drone's advanced flight capabilities, including 360-degree flips, programmed Waypoint Fly, and automated Circle Fly.

3 Speeds

Empowered by enhanced motors, this drone can achieve higher flight speeds. Low/Medium/High 3-speed mode options, which allow you to start at a comfortable pace and work your way up to faster, more challenging flights.



Image: A visual showing the drone's three speed modes, allowing pilots to adjust flight speed from low to high.



Voice Control

Control the drone with your voice for added fun. Just tap the "voice control" button in the App and use voice commands like Fly, Land, Forward, Backward, Left, Right, Photo, or Record – the drone will fly as you said.

Image: A user interacting with the drone using voice commands, demonstrating the voice control feature.

Waypoint Fly

Easily create a flight path by drawing with your finger, and the drone will fly along the path you've created.



Image: A smartphone screen showing a drawn flight path, with the drone following it, illustrating the Waypoint Fly feature.

5. Camera Operation (1080P HD FPV)

The JY02 drone is equipped with an adjustable 1080P HD camera for capturing aerial photos and videos. Download the "Redrie Fly" app on your smartphone to connect to the drone's Wi-Fi network. This enables FPV (First Person View)

transmission, allowing you to see live video feed from the drone directly on your phone. You can control photo and video recording through the app interface.



Image: Close-up of the drone's 1080P HD WiFi camera, highlighting its FPV real-time transmission and gesture selfie capabilities.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Avoid using harsh chemicals or solvents.
- **Propeller Inspection and Replacement:** Regularly check propellers for any damage (bends, cracks). Replace damaged propellers immediately using the provided spare blades and screwdriver. Ensure correct propeller installation (A and B types).
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge batteries. If not used for an extended period, charge them to about 50% capacity.
- **Storage:** When not in use, fold the drone and store it in its carrying case to protect it from dust and damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to remote control.	Not paired, low battery, incorrect battery installation.	Ensure drone and remote are powered on and paired correctly. Check battery levels and installation.
Unstable flight or drifting.	Not calibrated, strong wind, damaged propellers.	Perform gyroscope calibration. Fly in calm conditions. Inspect and replace damaged propellers.
Camera not working or no FPV feed.	App not connected, Wi-Fi issue, camera malfunction.	Ensure "Redrie Fly" app is installed and connected to the drone's Wi-Fi. Restart drone and app.
Short flight time.	Battery not fully charged, old battery.	Fully charge batteries before each flight. Consider replacing old batteries if performance degrades significantly.

If you encounter any issues not listed here or require further assistance, please contact REDRIE customer support.

SPECIFICATIONS

Feature	Detail
Brand	REDRIE
Model Name	JY02
Drone Weight	1.96 pounds (approx. 131g)
Product Dimensions (Folded)	7.9 x 7.5 x 2.4 inches (15 x 15 x 6 cm)
Product Dimensions (Unfolded)	21 x 19 x 6 cm
Video Capture Resolution	1080p (1920x1080 Pixels)
Connectivity Technology	Wi-Fi
Battery Type	Lithium Polymer
Battery Capacity	1200 mAh
Flight Time	Up to 25 minutes (with 2 batteries)
Charging Time	Approx. 90 minutes/battery
Control Distance	Up to 326 ft / 100 m
Skill Level	Beginner

Feature	Detail
Special Features	App Control, Altitude Hold, Gestures Selfie, Waypoint Fly, Headless Mode, 3D Flip, One Key Start, 3 Speed Mode, Circle Fly, Rotation Fly, Voice Control

WARRANTY AND SUPPORT

REDRIE offers 24-hour service support for all customers. If you encounter any issues with your JY02 Drone, Remote Control, or the "Redrie Fly" App, please contact the seller or manufacturer for prompt assistance and solutions. Your satisfaction is our priority.

For warranty information, please refer to the specific terms provided at the time of purchase or contact customer support.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Where can I purchase new A and B blades for the REDRIE JY02 drone?

To purchase replacement A and B blades for your REDRIE JY02 drone, you should follow these steps:Contact REDRIE Support: The manual states that REDRIE offers 24-hour service support. You can contact the manufacturer or...
[Read full answer](#)

