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> REDRIE JY02 Drone with 1080P Camera User Manual

REDRIE JY02

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Model: JY02

INTRODUCTION

Thank you for choosing the REDRIE JY02 Drone. This manual provides essential information for the safe operation, setup, and maintenance of your drone. Please read this manual thoroughly before operating the device to ensure proper function and to prevent damage.

PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

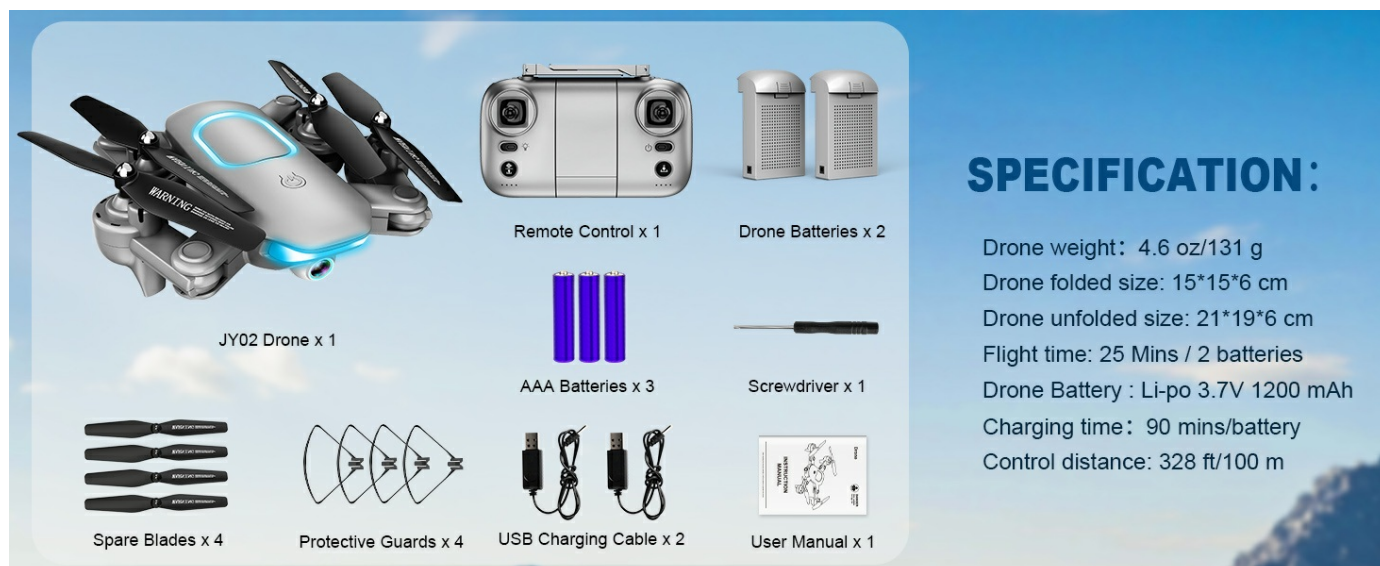


Image: All components included in the REDRIE JY02 Drone package.

- JY02 Drone x 1
- Remote Control x 1
- Drone Batteries (1200mAh) x 2
- AAA Batteries x 3 (for remote control)
- Screwdriver x 1

- Spare Blades x 4
- Protective Guards x 4
- USB Charging Cable x 2
- User Manual x 1

SETUP

1. Battery Installation and Charging

Drone Battery: Insert the provided 1200mAh drone battery into the drone's battery compartment. Connect the drone battery to the USB charging cable and plug it into a USB power source (e.g., computer, USB wall adapter). The charging time is approximately 90 minutes per battery. Ensure the battery is fully charged before first use.

Remote Control Batteries: Open the battery compartment on the back of the remote control and insert 3 AAA batteries, observing the correct polarity.



25 Mins Flight Time

 **Stable Flight**

 **Better Wind Resistance**

2 x 1200MAH BATTERIES



Image: Drone batteries and flight time information.

2. Propeller and Protective Guard Installation

Attach the protective guards to the drone's motor arms to prevent damage during collisions. Ensure they are securely fastened. If any propellers are not pre-installed or need replacement, use the screwdriver to attach them, matching the propeller type (A or B) to the corresponding motor arm.

3. Unfolding the Drone

Gently unfold the drone's arms until they click into place. Ensure all four arms are fully extended and locked before flight.

4. App Installation and Connection

Download the "Redrie Fly" app from your smartphone's app store. Turn on the drone and your smartphone's Wi-Fi. Connect your phone to the drone's Wi-Fi network (usually named "REDRIE-XXXX"). Open the app to establish a connection and view the live FPV feed.

5. Pre-Flight Check

Before each flight, ensure:

- All batteries (drone and remote) are fully charged.
- Propellers and protective guards are securely attached.
- The drone is unfolded correctly.
- You are in an open area, free from obstacles, people, and animals.
- Weather conditions are calm, with minimal wind.

OPERATING INSTRUCTIONS

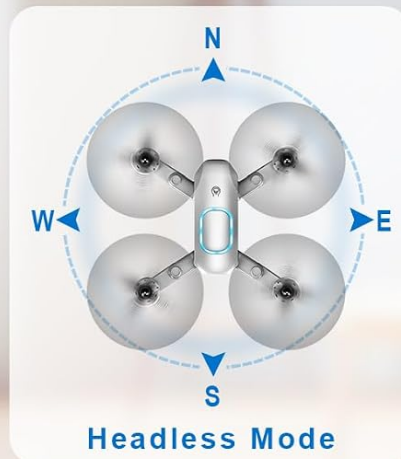
1. Basic Flight Controls

USER FRIENDLY

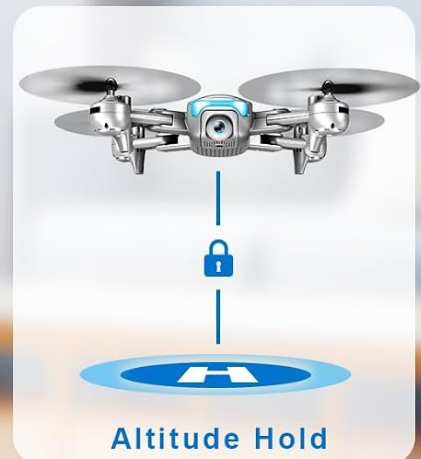
Easy Fly Control for Diverse Users



One Key Start/Landing



Headless Mode



Altitude Hold

Image: Basic flight functions including One Key Start/Landing, Headless Mode, and Altitude Hold.

- **One Key Start/Landing:** Press the designated button on the remote or in the app to automatically take off or land.
- **Altitude Hold:** The drone maintains a stable height automatically, simplifying control for beginners.
- **Headless Mode:** In this mode, the drone's orientation is relative to the pilot, eliminating the need to adjust its position before flying.
- **3 Speed Modes:** Adjust the flight speed (Low, Medium, High) to match your skill level and environmental conditions.

2. Advanced Flight Features



Image: Advanced flight modes including 360° Flip, Waypoint Fly, Circle Fly, and Rotation Fly.

- **360° Flips:** Execute aerial stunts by pressing the 360° flip button and moving the right joystick in the desired direction.
- **Waypoint Fly:** Draw a flight path on your smartphone screen within the app, and the drone will automatically follow the specified route.
- **Circle Fly:** The drone will fly in a circular pattern around a designated point, capturing panoramic views.
- **Rotation Fly:** The drone rotates in place, offering dynamic perspectives.
- **Voice Control:** Use simple voice commands through the app (e.g., "Fly," "Forward," "Backward," "Left," "Right," "Photo," "Record") to control the drone.

3. Camera Operation (1080P HD FPV)



1080P HD WIFI Camera

FPV Real-time Transmission



Image: 1080P HD FPV Camera features and Gesture Selfie function.

- **Live FPV Feed:** Connect to the "Redrie Fly" app to view real-time video footage from the drone's 1080P HD camera directly on your smartphone.
- **Photo/Video Capture:** Use the dedicated buttons on the remote control or within the app to take photos or record videos.
- **Gesture Selfie:** Perform specific hand gestures (e.g., a "V" sign for photo, an open palm for video) in front of the camera to trigger photo or video capture.

4. Safety Guidelines

- Always fly in open, unobstructed areas.
- Maintain a safe distance from people, animals, and property.
- Do not fly in strong winds or adverse weather conditions.
- Monitor battery levels and land the drone before the battery is fully depleted. The drone features a low power alarm.
- Utilize propeller guards to minimize damage from impacts.
- In case of emergency, use the Emergency Stop function.

MAINTENANCE

1. Cleaning

Regularly clean the drone body and camera lens with a soft, dry cloth. Avoid using liquids or solvents that could damage the electronics.

2. Propeller Replacement

If propellers become damaged or bent, replace them immediately using the spare blades and screwdriver provided. Ensure the correct type of propeller (A or B) is installed on the corresponding motor.

3. Battery Care and Storage

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not overcharge or over-discharge batteries.
- If storing for extended periods, charge batteries to approximately 50% capacity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on	Low or uncharged battery; Battery not properly connected	Charge drone battery fully; Ensure battery is securely connected
Remote control not responding	Low or dead AAA batteries; Remote not paired with drone	Replace AAA batteries; Re-pair remote with drone (refer to pairing instructions in full manual)
Unstable flight or drifting	Drone not calibrated; Damaged propellers; Strong wind interference	Perform drone calibration (refer to full manual); Replace damaged propellers; Fly in calm conditions
No FPV video feed	Wi-Fi not connected; App not open or crashed	Ensure phone is connected to drone's Wi-Fi; Restart app and drone
Short flight time	Battery not fully charged; Old or damaged battery	Ensure battery is fully charged; Consider replacing battery if performance degrades

For further assistance, please refer to the Support section.

SPECIFICATIONS

Feature	Detail
Model	JY02
Brand	REDRIE
Drone Weight	4.6 oz / 131 g
Drone Folded Size	15 x 15 x 6 cm

Feature	Detail
Drone Unfolded Size	21 x 19 x 6 cm
Camera Resolution	1080P HD
Connectivity	Wi-Fi (FPV Real-time Transmission)
Drone Battery	Li-Po 3.7V 1200 mAh x 2
Flight Time	20-25 minutes (with 2 batteries)
Charging Time	Approx. 90 minutes per battery
Control Distance	Up to 326 ft / 100 m
Special Features	Altitude Hold, Gesture Selfie, Waypoint Fly, 3D Flip, 3 Speed Mode, Circle Fly, One Key Start, Headless Mode, Voice Control

WARRANTY INFORMATION

The REDRIE JY02 Drone comes with a manufacturer's warranty. For specific details regarding warranty coverage, duration, and claims, please refer to the warranty card included in your product packaging or contact REDRIE customer support directly.

SUPPORT

For any questions, technical assistance, or issues encountered with your REDRIE JY02 Drone, Remote Control, or the "Redrie Fly" app, please contact our customer support team. We offer 24-hour service support to all customers.

Contact Information: Please refer to the contact details provided in your product packaging or on the official REDRIE website for the most up-to-date support channels.

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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Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

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