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› ROVPRO Foldable Brushless Drone with 4K HD Camera for Adults, RC Quadcopter, 30 Minutes Flight Time, One Key Take Off/Land,Altitude Hold,360° Flip with Carry Bag for beginners Black - User Manual

ROVPRO S602

ROVPRO Foldable Brushless Drone with 4K HD Camera

Instruction Manual for Model S602

PRODUCT OVERVIEW

The ROVPRO S602 is a foldable brushless drone designed for both beginners and experienced users. It features a 4K HD camera, extended flight time, and multiple intelligent flight functions.



Figure 1: ROVPRO S602 Drone and Included Accessories.

PACKAGE CONTENTS

Verify all items are present in your package:

- 1x ROVPRO S602 Drone
- 1x Remote Control
- 2x 1600mAh Drone Batteries
- 1x USB Cable
- 1x Pair of Spare Propellers
- 1x Screwdriver
- 1x Handbag
- 1x User Manual



Figure 2: Contents of the ROVPRO S602 Drone Package.

SETUP

1. Preparing the Drone

1. **Unfold the Drone Arms:** Gently unfold all four arms of the drone until they click into place. Ensure the propellers are free to rotate.
2. **Install Drone Battery:** Insert a charged 1600mAh battery into the battery compartment on the rear of the drone. Ensure it is securely latched.
3. **Power On Drone:** Press and hold the power button on the top of the drone until the indicator lights illuminate.

2. Preparing the Remote Control

1. **Install Remote Control Batteries:** Open the battery compartment on the back of the remote control and insert 3 AAA batteries (not included). Close the compartment securely.
2. **Open Phone Holder:** Pull up the phone holder on the remote control to secure your smartphone for FPV viewing and app control.
3. **Power On Remote Control:** Press the power button on the remote control. The indicator light will flash.

3. Pairing and Calibration

1. **Pairing:** Push the left joystick on the remote control up and then down. The drone lights will stop flashing and become solid, indicating successful pairing.
2. **Horizontal Calibration:** Place the drone on a flat, level surface. Push both joysticks on the remote control down and to the outer corners simultaneously. The drone lights will flash rapidly and then become solid, indicating successful calibration.

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Video 1: Demonstrates the unboxing, drone assembly, battery installation, and initial setup steps for the ROVPRO S602 drone.

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Video 2: Provides a visual guide to the advanced features and flight preparation of the ROVPRO S602 drone.

OPERATING INSTRUCTIONS

Basic Flight Functions

- **One Key Takeoff/Landing:** Press the one-key takeoff/landing button on the remote control to automatically launch or land the drone.
- **Altitude Hold:** The drone will automatically maintain its current altitude, allowing for stable hovering.
- **Headless Mode:** In headless mode, the drone's orientation is relative to the pilot, making it easier to control for beginners.
- **360° Flip:** Press the 360° flip button and move the right joystick in the desired direction to perform aerial stunts.
- **Speed Gears:** The drone offers 3 speed settings (Low, Medium, High) to suit different skill levels and flying conditions.

⤴ ALL IN ONE FUNCTION

Suitable For Players At All Levels



One Key Takeoff/Landing



Headless Mode



3 Speed Switch



Altitude Hold

Figure 3: Key Flight Functions for Easy Operation.

WHAT'S IN THE BOX

- 1* S602 Drone
- 1* Remote Control
- 2* 1600mAh Battery
- 1* USB Cable
- 1* Pair of Spare Propellers
- 1* Screwdriver
- 1* Handbag
- 1* Carton Box
- 1* User Manual



Figure 4: Performing a 360° Flip.

360° FLIP



Figure 5: Adjusting Flight Speed.

Advanced Features (App Control)

- **4K HD Camera & FPV:** Connect your smartphone to the drone's Wi-Fi network to access the live 4K video feed and capture high-resolution photos and videos. The camera lens is manually adjustable by 90° for optimal viewing angles.
- **Gesture Control:** Perform specific hand gestures to trigger photo or video recording.
- **Optical Flow Positioning:** This feature allows the drone to hover stably both indoors and outdoors by analyzing ground patterns.
- **Gravity Sensor:** Control the drone's movement by tilting your smartphone.

📷 4K Advanced Camera Drone

4K

4K Camera

90°

90° Adjustment

110°

110° FOV



Figure 6: 4K HD Camera and Wide-Angle Lens.

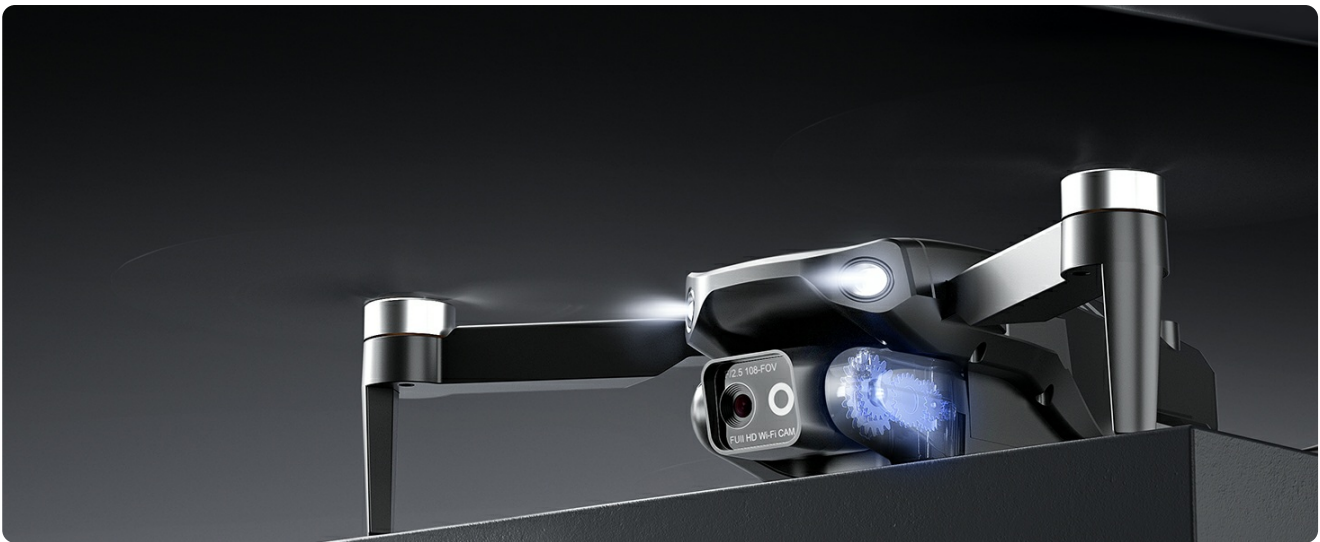


Figure 7: Stable Hovering with Optical Flow.



Figure 8: Gravity Sensor Control.

MAINTENANCE

Battery Care

- Charge batteries fully before each flight using the provided USB cable.
- Do not overcharge or over-discharge the batteries.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- If not used for an extended period, charge batteries to approximately 50% for storage.

Propeller Replacement

- Inspect propellers for damage (cracks, bends) before each flight.
- If a propeller is damaged, use the included screwdriver to remove the screw securing it and replace it with a spare propeller. Ensure the correct propeller (A or B) is installed in the corresponding position.

Cleaning

- Wipe the drone body with a soft, dry cloth after use.
- Keep the camera lens clean for clear image and video capture.
- Avoid exposing the drone to water or excessive dust.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to remote control.	Not paired correctly; low battery in drone or remote.	Re-pair the drone and remote control. Ensure both are fully charged.
Drone drifts during flight.	Improper calibration; environmental factors (wind).	Perform horizontal calibration on a flat surface. Adjust trim settings on the remote control. Fly in calm conditions.
Poor camera quality/no live feed.	Weak Wi-Fi connection; dirty lens; app issue.	Ensure strong Wi-Fi connection between phone and drone. Clean the camera lens. Restart the app and drone.
Short flight time.	Battery not fully charged; old battery; aggressive flying.	Fully charge batteries. Consider replacing old batteries. Fly more conservatively.
Motors not spinning or unevenly.	Propeller obstruction; motor damage; low battery.	Check for obstructions around propellers. Ensure batteries are charged. If issue persists, contact customer service.

SPECIFICATIONS

Feature	Detail
Brand	ROVPRO
Model Name	S602
Special Features	360 Degree Flip, 4K HD Camera, Brushless Motor, Speed Adjustment, Extended Flight Time, Headless Mode, One key takeoff/landing, Portable, Outdoor usage, Rechargeable
Age Range (Description)	Adult
Color	Black
Video Capture Resolution	1080p (Note: Product title states 4K, but specifications list 1080p. User should be aware.)
Connectivity Technology	USB, Wi-Fi
Skill Level	All
Item Weight	125 Grams (4.4 ounces)
Battery Capacity	1600 Amp Hours (per battery)
Video Capture Format	MP4
Control Type	App Control
Product Dimensions	10.2"L x 7.8"W x 2"H
Batteries Included	2 Lithium Polymer batteries (included)

WARRANTY AND SUPPORT

ROVPRO is committed to providing excellent customer service.

Our service team offers **7/24h technical support**. If you encounter any issues while operating the drone, please feel free to contact us anytime, and we will respond promptly.

For support, please refer to the contact information provided in the product packaging or on the official ROVPRO website.