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› ROVPRO G803 GPS Drone User Manual

ROVPRO G803

ROVPRO G803 GPS Drone User Manual

Model: G803

INTRODUCTION

This manual provides essential instructions for the safe operation and maintenance of your ROVPRO G803 GPS Drone. Please read this manual thoroughly before operating the drone to ensure proper usage and to maximize your flight experience. The G803 is equipped with advanced features such as GPS auto-return, a 4K camera, brushless motors, and various intelligent flight modes designed for both beginners and experienced users.

PACKAGE CONTENTS

NEVER LOSE YOUR DRONE

Enjoy Hassle-Free Flights With Return Home



Low
Battery



Signal
Loss



One-Key
Return



Image: All components of the ROVPRO G803 GPS Drone package, including the drone, remote controller, batteries, and tools.

- ROVPRO G803 GPS Drone × 1
- Remote Controller (batteries not included) × 1
- Drone Battery × 2
- Pair of Spare Propellers × 1
- Micro USB Cable × 1
- Screwdriver × 1
- User Manual × 1

- Handbag × 1

PRODUCT OVERVIEW

Key Features:

- **GPS Auto Return:** Ensures the drone returns safely to its takeoff point.
- **Extended Flight Time:** Up to 32 minutes total flight with two intelligent batteries.
- **4K Camera:** Features a 4K camera with 120° wide-angle and 90° adjustable lens for high-resolution photos and 1080p video capture.
- **Brushless Motors:** Provides powerful, stable, and quiet flight with extended motor lifespan.
- **Intelligent Flight Modes:** Includes Follow Me, Waypoint Fly, Altitude Hold, and Headless Mode.
- **5GHz FPV Transmission:** Delivers smooth and stable video feed.

HOW TO START THE DRONE **OUTDOOR?**

In GPS Mode: Outdoor



① turn on the drone



② turn on the controller

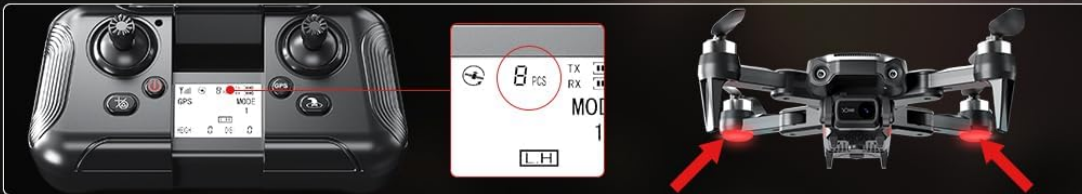


③ Geomagnetic Calibration

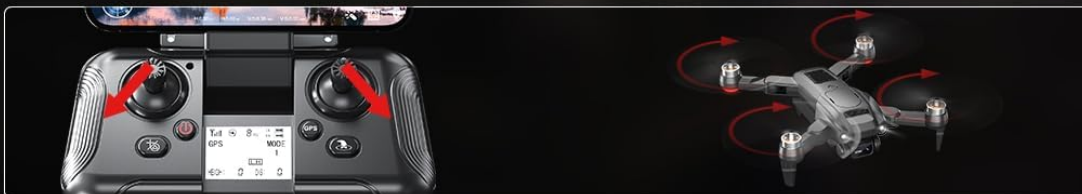
3.1 hold on **M** button

3.2 rotate the drone clockwise horizontally for several cycles until the drone emit **'Beep'**

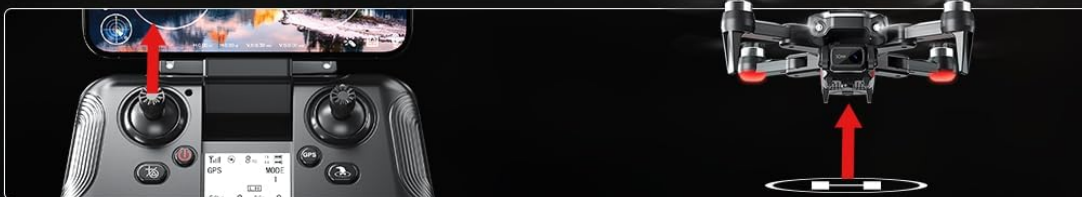
3.3 rotate the drone vertically for several cycles until the drone emit **'Beep'**



④ Wait for **1-5 minutes** to search for the satellite signal. When you see the LED displaying the **signal level number(5+)** along with a **stable red light** and hear the prompt tone **'Beep'** that means the signal search has been completed



⑤ unlock the drone, all of the drone's propeller will rotation



⑦ Push up left joystick to takeoff the drone

Image: The ROVPRO G803 drone in flight, showcasing its 4K camera capabilities for capturing vast landscapes.

CAPTURE YOUR JOURNEY

Effortless Aerial Tracking for Unforgettable Moments



Image: The ROVPRO G803 drone demonstrating stability in high winds, powered by its brushless motors.

SETUP

1. Battery Installation

1. Ensure the drone and remote controller are powered off.
2. Insert a fully charged drone battery into the designated compartment on the drone until it clicks into place.
3. For the remote controller, open the battery cover and insert 3 AAA batteries (not included), observing polarity.



Image: A hand installing the drone battery into the ROVPRO G803 drone.

2. Propeller Installation

The propellers are typically pre-installed. If replacement is needed, ensure correct propeller types (A and B) are matched to the corresponding motor arms. Secure them with the provided screws and screwdriver.

FULLY PACKAGE

Includes Intelligent batteries and hand bag



Image: Detail of drone propellers, indicating the correct installation based on A and B markings.

3. App Installation and Wi-Fi Connection (iOS)

To utilize the drone's camera and advanced features, download the companion app and connect via Wi-Fi. For iOS devices, follow these steps:

1. Scan the QR code in the user manual to download the "VS GPS PRO" app from the App Store.
2. Turn on the drone.
3. On your iOS device, go to Wi-Fi settings and search for the drone's Wi-Fi network (e.g., "VS-GPS-PRO-xxxxx"). Connect to it.
4. Open the "VS GPS PRO" app and click "Enter Device" to access the live camera feed and controls.

5. If connection issues occur, try setting your phone to airplane mode to disable cellular data, then repeat the Wi-Fi connection steps.

Your browser does not support the video tag.

Video: A step-by-step guide on how to connect your iOS phone to the ROVPRO G803 drone's Wi-Fi network and access the app interface.

OPERATING INSTRUCTIONS

Pre-Flight Preparation

1. Unfold the drone arms until they click into place.
2. Ensure propellers are securely attached and undamaged.
3. Insert a fully charged battery into the drone.
4. Turn on the drone by pressing the power button.
5. Turn on the remote controller.
6. Place your smartphone in the controller's holder and connect via the app (refer to Setup section).

HOW TO START THE DRONE INDOOR?

In Common Mode: Indoor



① turn on the drone




② turn on the controller



③ close gps on controller



If missed this steps, the drone may drift when start off

④ Press  button to horizontal calibration



⑤ unlock the drone, all of the drone's propeller will rotation



⑦ Push up left joystick to takeoff the drone

Image: The ROVPRO G803 drone and its remote controller with a smartphone, illustrating the setup before flight.

Indoor Flight (Common Mode)

For indoor operation, GPS is typically disabled. Ensure sufficient clear space and no obstacles.

1. Turn on the drone, then the controller.
2. Close GPS on the controller (if active).
3. Press the horizontal calibration button on the controller.
4. Unlock the drone by pressing both joysticks to the bottom-left and bottom-right corners simultaneously. Propellers will begin to rotate slowly.

5. Push the left joystick up to take off.

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Video: Instructions on how to prepare and start the ROVPRO G803 drone for indoor flight, including power-on sequence and unlocking the motors.



Image: Visual instructions detailing the indoor startup procedure for the ROVPRO G803 drone.

Outdoor Flight (GPS Mode)

For outdoor flight, GPS mode is recommended for enhanced stability and features like Auto Return. Ensure you are in an open area, away from tall buildings or interference.

1. Turn on the drone, then the controller.
2. Perform Geomagnetic Calibration:
 - Hold down the GPS button on the controller.
 - Rotate the drone clockwise horizontally for several cycles until it emits a "Beep" sound.
 - Rotate the drone vertically for several cycles until it emits a "Beep" sound.
3. Wait 1-5 minutes for satellite signal acquisition. The LED lights will flash during search and become solid with a red light and a "Beep" tone when complete.
4. Unlock the drone by pressing both joysticks to the bottom-left and bottom-right corners simultaneously.
5. Push the left joystick up to take off.

Your browser does not support the video tag.

Video: A demonstration of the outdoor startup procedure for the ROVPRO G803 drone, including geomagnetic calibration and waiting for GPS signal.

HOW TO START THE DRONE **OUTDOOR?**

In GPS Mode: Outdoor



① turn on the drone



② turn on the controller

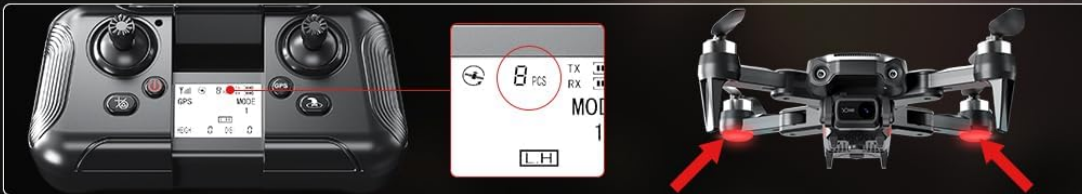


③ Geomagnetic Calibration

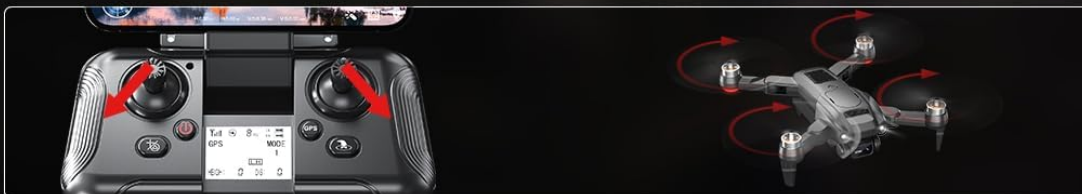
3.1 hold on **A** button

3.2 rotate the drone clockwise horizontally for several cycles until the drone emit **'Beep'**

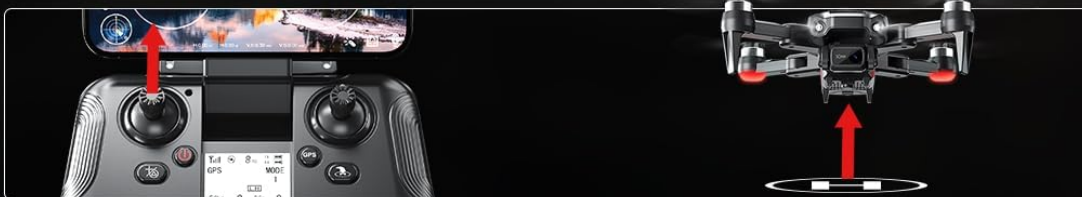
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⑤ unlock the drone, all of the drone's propeller will rotation



⑦ Push up left joystick to takeoff the drone

Image: Visual instructions detailing the outdoor startup procedure for the ROVPRO G803 drone, including geomagnetic calibration.

Intelligent Flight Modes

- **Follow Me:** The drone will automatically follow the remote controller or connected smartphone.
- **Waypoint Fly:** Set custom flight paths on the app map, and the drone will fly along the designated route.
- **Altitude Hold:** Maintains a stable altitude, allowing for easier control of horizontal movement.
- **Headless Mode:** The drone's orientation is relative to the pilot, simplifying control regardless of the drone's front direction.
- **Auto Return to Home:** Initiates a return to the takeoff point when activated, or automatically upon low

battery or signal loss.

EASY CONTROL AT YOUR HAND

Seamless Choice for Beginners and Skilled



Image: The ROVPRO G803 drone in Follow Me mode, tracking a user.

AMAZING AERIAL SCENERY WITH **4K HD** CAMERA

Capture Vast Landscapes with 90° Wide Field of View



Image: The ROVPRO G803 drone utilizing its Auto Return to Home function.

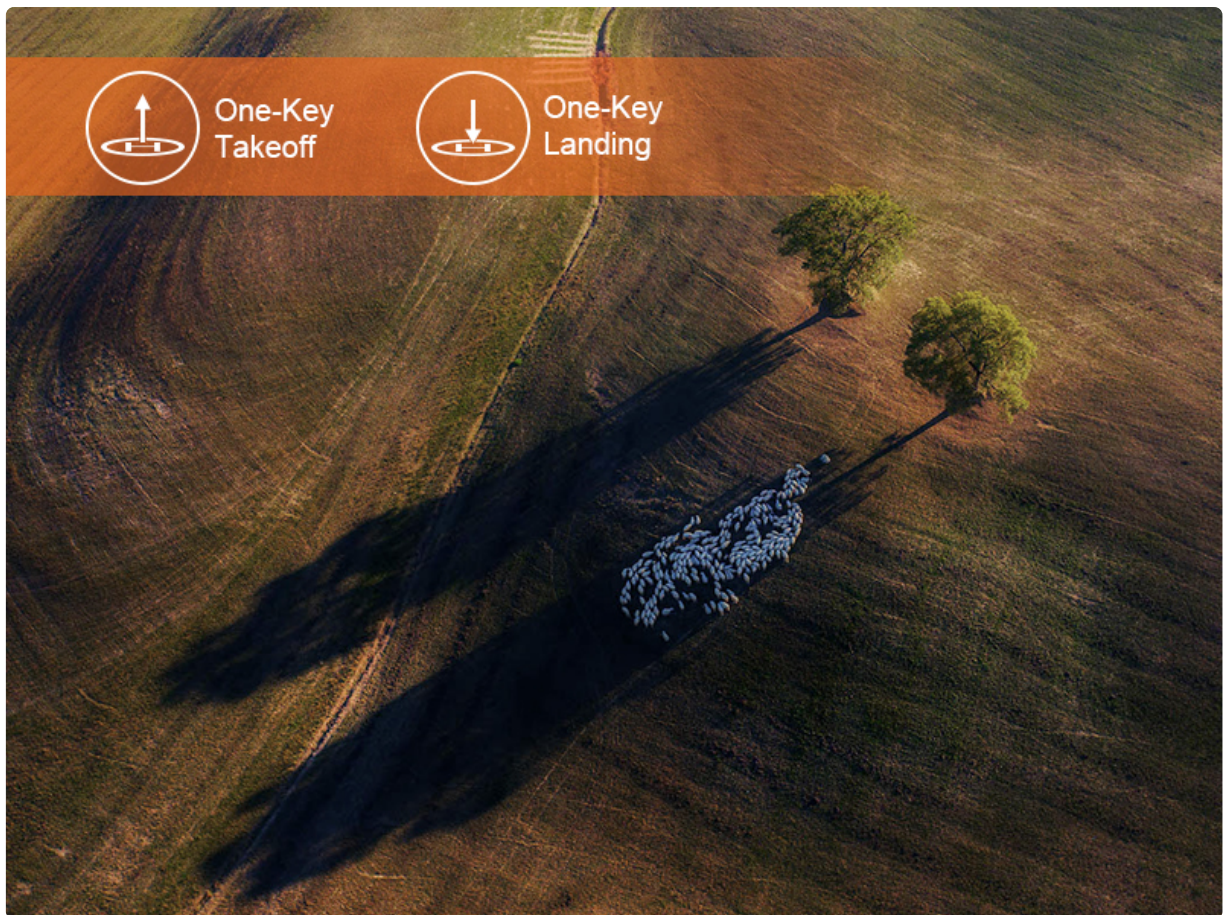


Image: Visual representation of One-Key Takeoff and Landing features.

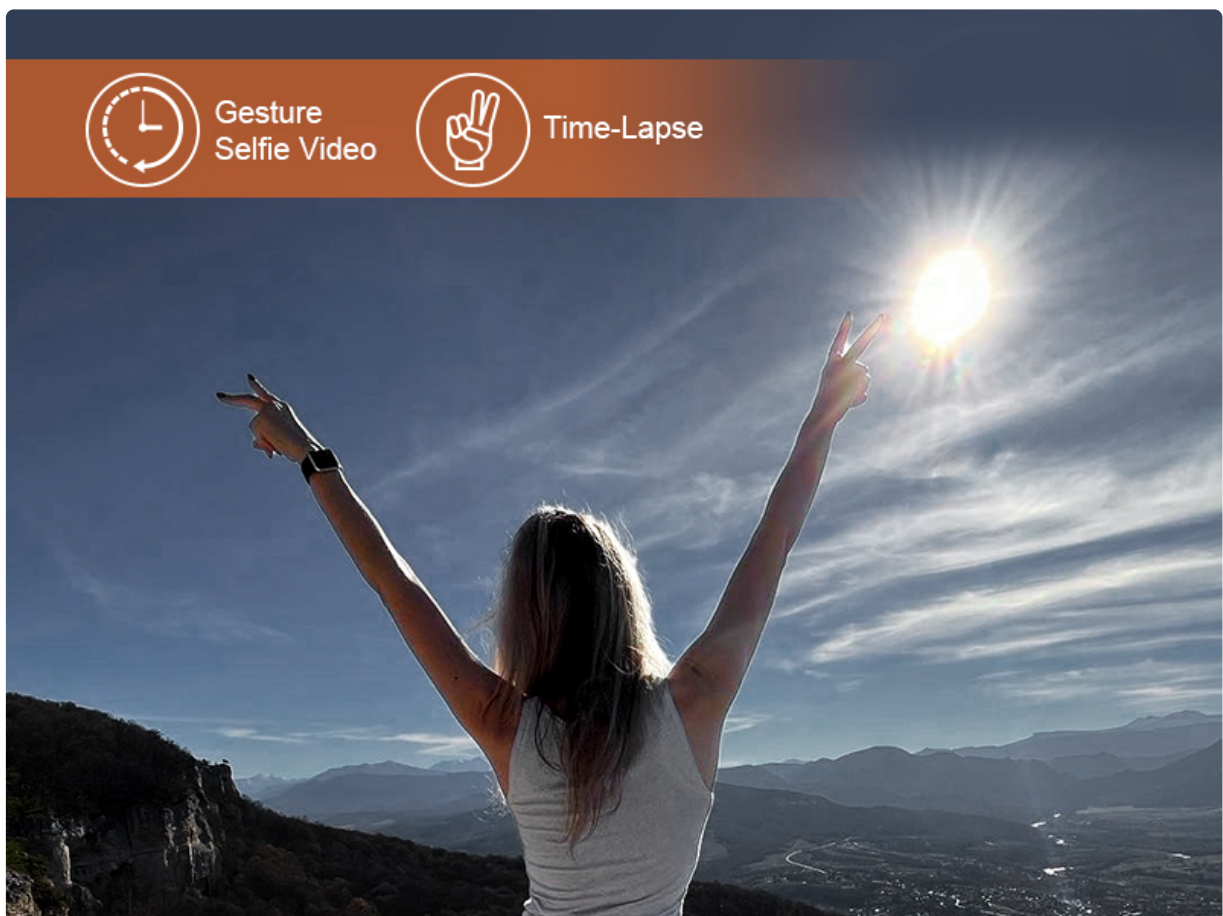


Image: Icons illustrating Gesture Selfie Video and Time-Lapse functions.

- **Battery Care:** Always use the provided charging cable. Do not overcharge or over-discharge batteries. Store in a cool, dry place.
- **Propeller Replacement:** If propellers are damaged, replace them immediately using the spare parts and screwdriver provided. Ensure correct A/B propeller types are installed.
- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid water or harsh chemicals.
- **Storage:** When not in use, store the drone and accessories in the provided handbag in a cool, dry environment.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on.	Low or uncharged battery; incorrectly installed battery.	Charge the battery fully; ensure battery is correctly inserted.
Drone does not respond to controller.	Not paired; low controller battery.	Ensure drone and controller are powered on and paired; replace controller batteries.
Unstable flight/Drifting.	Improper calibration; strong winds (outdoor).	Perform geomagnetic calibration (outdoor) or horizontal calibration (indoor); avoid flying in strong winds.
App not connecting to Wi-Fi.	Cellular interference; incorrect Wi-Fi selection.	Enable airplane mode on your phone, then connect to the drone's Wi-Fi; ensure correct Wi-Fi network is selected.
Poor camera quality.	Lens obstruction; low light conditions; FPV transmission interference.	Clean the camera lens; ensure adequate lighting; minimize Wi-Fi interference.

SPECIFICATIONS

Feature	Detail
Brand	ROVPRO
Model Name	G803
Manufacturer Part Number	E58
Product Dimensions	5.6"L x 4"W x 2"H
Item Weight	105 Grams (3.7 ounces)
Age Range (Description)	Adult
Skill Level	All
Video Capture Resolution	1080p (Advertised as 4K output)
Effective Still Resolution	8.3 MP
Connectivity Technology	Wi-Fi (5GHz FPV transmission)
Battery Type	Lithium Polymer
Battery Capacity	1600 Amp Hours
Special Features	Lightweight, Portable, GPS Auto Return, Brushless Motor, Follow Me, Waypoint Fly, Altitude Hold, Headless Mode

WARRANTY AND SUPPORT

ROVPRO is committed to providing an ever-improving flight experience. If you encounter any issues with your G803 drone, please contact the ROVPRO support team for assistance. Refer to the contact information provided in your product packaging or on the official ROVPRO website.