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UranHub DR-UHG30G

UranHub G30 Drone User Manual

Model: DR-UHG30G

Introduction

Welcome to the UranHub G30 Drone user manual. This guide provides essential information for setting up, operating, maintaining, and troubleshooting your G30 drone. Please read this manual thoroughly before your first flight to ensure safe and optimal performance.
The UranHub G30 is a lightweight (under 249g) drone equipped with a 4K UHD camera, GPS positioning, and intelligent flight features, designed for both beginners and experienced pilots.

Safety Guidelines

Always prioritize safety during drone operation. Failure to follow these guidelines may result in injury, damage to property, or legal consequences.

- **Local Regulations:** Always check and strictly comply with local laws and regulations regarding drone operation before flying. This drone is under 249g, which may exempt it from certain registration requirements in some regions, but local rules still apply.
- **Pre-Flight Check:** Before each flight, ensure the drone, remote controller, and batteries are in good working condition. Check propellers for damage.
- **Environmental Conditions:** Avoid flying in strong winds, rain, snow, or fog. Maintain a clear line of sight to the drone at all times.
- **Battery Safety:** Use only original UranHub batteries and charging equipment. Do not overcharge or short-circuit batteries.
- **Respect Privacy:** Be mindful of others' privacy when using the camera.
- **Maintain Distance:** Keep a safe distance from people, animals, buildings, and obstacles.



Figure 1: The UranHub G30 drone, weighing under 249g, which may not require registration in certain jurisdictions. Always verify local regulations.

Package Contents

Verify that all items are present in your package:

- UranHub G30 Drone
- Remote Control
- Intelligent Flight Battery
- Charging Dock
- Spare Propellers (A/B)
- Charging Cable
- Screwdriver
- Screws
- Camera Cover
- Spare Control Sticks
- User Manual (this document)

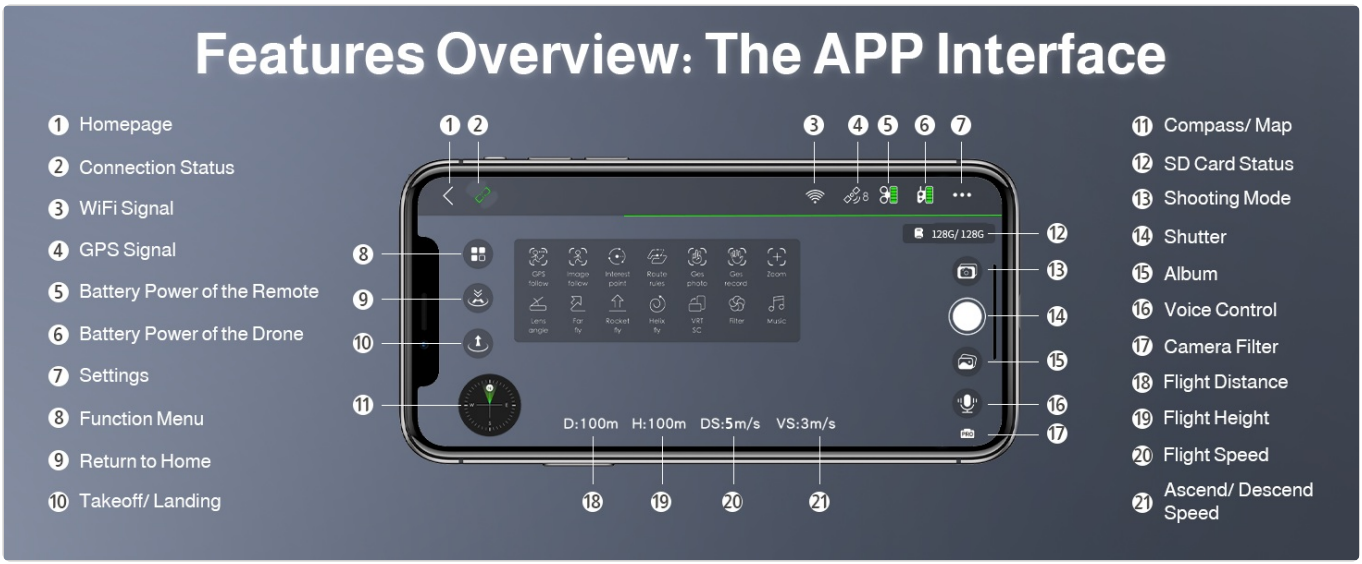

Figure 2: The complete package contents of the UranHub G30 drone.



Figure 3: Spare propellers and screws for the UranHub G30 drone.



Figure 4: The 7.4V 2000mAh intelligent flight battery for the UranHub G30 drone.



Figure 5: The 3-in-1 charging dock for UranHub G30 drone batteries.

Setup

1. Battery Charging and Installation

Before first use, fully charge the drone's intelligent flight battery and the remote controller's battery.

1. Insert the intelligent flight battery into the charging dock.
2. Connect the charging cable to the dock and a suitable USB power adapter (not included).
3. The LED indicators on the battery/dock will show charging status. Once fully charged, disconnect.
4. Insert the charged battery into the drone until it clicks securely into place.
5. To charge the remote controller, connect the charging cable to its charging port and a USB power adapter.



Figure 6: The UranHub G30 drone, where the intelligent flight battery is installed.

2. Propeller Installation

Attach the propellers to the drone arms. Ensure you match the 'A' propellers with 'A' motors and 'B' propellers with 'B' motors. Use the provided screwdriver and screws to secure them.

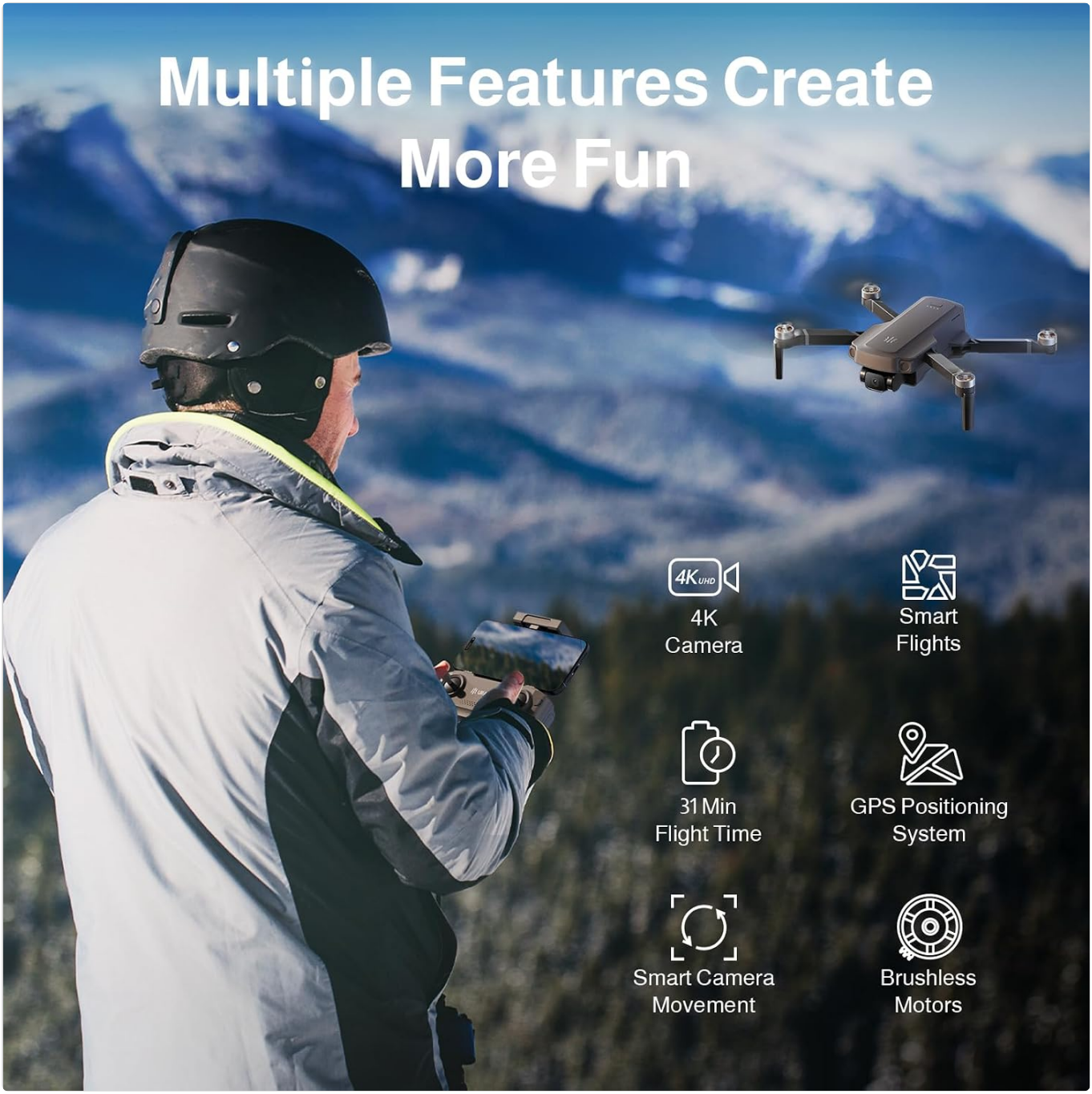

Figure 7: The UranHub G30 drone with all propellers correctly installed.

3. Remote Controller Setup

Install the control sticks and extend the phone holder.



Figure 8: Overview of the remote controller features and layout.

Remote Controller Functions:

- **Phone Holder:** Securely mount your smartphone for FPV view.
- **Emergency Stop:** Immediately stops the drone motors. Use only in emergencies.
- **Power Button:** Press once to check battery, press and hold for 3 seconds to power on/off.
- **Left Control Stick:** Controls altitude and yaw.
- **Right Control Stick:** Controls forward/backward and left/right movement.
- **Speed Switch:** Short press to change speed modes. Long press for ATTI mode.
- **Return to Home (RTH):** Initiates automatic return to the takeoff point.
- **Take Photo:** Captures a still image.
- **LED Display:** Shows flight information and battery status.
- **Record Video:** Starts/stops video recording.
- **Storage Slots for Control Stick:** For convenient storage of control sticks.
- **Charging Port:** USB port for charging the remote controller.
- **Zoom In/Out:** Adjusts camera zoom.
- **Camera Up/Down:** Adjusts the camera's vertical angle.

4. App Download and Connection

Download the official UranHub drone app from your smartphone's app store. Follow the in-app instructions to connect your drone and remote controller via Wi-Fi.



Figure 9: The UranHub G30 drone app interface, showing various flight controls and settings.

App Interface Overview:

- **Homepage:** Main screen of the app.
- **Connection Status:** Indicates drone and remote connection.
- **WiFi Signal:** Strength of the Wi-Fi connection to the drone.
- **GPS Signal:** Indicates GPS satellite acquisition.
- **Battery Power of the Remote:** Remote controller battery level.
- **Battery Power of the Drone:** Drone battery level.
- **Settings:** Access drone and app settings.
- **Function Menu:** Access intelligent flight modes and other features.
- **Return to Home:** Activates RTH function.
- **Takeoff/Landing:** One-tap takeoff and landing.
- **Compass/Map:** Displays drone's position on a map.
- **SD Card Status:** Indicates status of the drone's storage.
- **Shooting Mode:** Select photo or video mode.
- **Shutter:** Capture photo or start/stop video.
- **Album:** Access captured media.
- **Voice Control:** Control drone with voice commands.
- **Camera Filter:** Apply visual filters to footage.
- **Flight Distance:** Current distance from takeoff point.
- **Flight Height:** Current altitude.

- **Flight Speed:** Current horizontal speed.
- **Ascend/Descend Speed:** Current vertical speed.

5. Compass Calibration

Before your first flight and whenever flying in a new location, perform a compass calibration. Refer to the app for detailed instructions. After calibration, place the drone on a level surface and wait for it to acquire sufficient satellite signals (GPS signal indicator in the app). The app will display "Ready to Fly" when complete.

▶ **Watch video online**
UranHub G30 4K Drone First Use Guide

Video 1: A detailed guide on the initial setup and compass calibration for the UranHub G30 4K Drone.

Operating the Drone

1. Basic Flight Controls

Familiarize yourself with the remote controller's sticks:

- **Left Stick (Mode 2):**
  - Up/Down: Ascend/Descend
  - Left/Right: Yaw (rotate drone)
- **Right Stick (Mode 2):**
  - Up/Down: Forward/Backward
  - Left/Right: Strafe Left/Right



Figure 10: A pilot operating the UranHub G30 drone in an open environment.

2. Flight Modes and Speed Settings

The G30 offers various modes to suit different skill levels and flight scenarios:

- **Beginner Mode:** Limits speed and distance for new pilots.
- **Optical Flow Positioning:** Provides stable hovering indoors or in areas with weak GPS.
- **GPS Positioning:** Utilizes satellite signals for precise outdoor positioning and stable flight.
- **Speed Modes:**
    - **Camera Mode:** 3 m/s (Slowest, for precise filming)
    - **Normal Mode:** 5 m/s (Standard flight)
    - **Sport Mode:** 8 m/s (Fastest, for agile maneuvers)

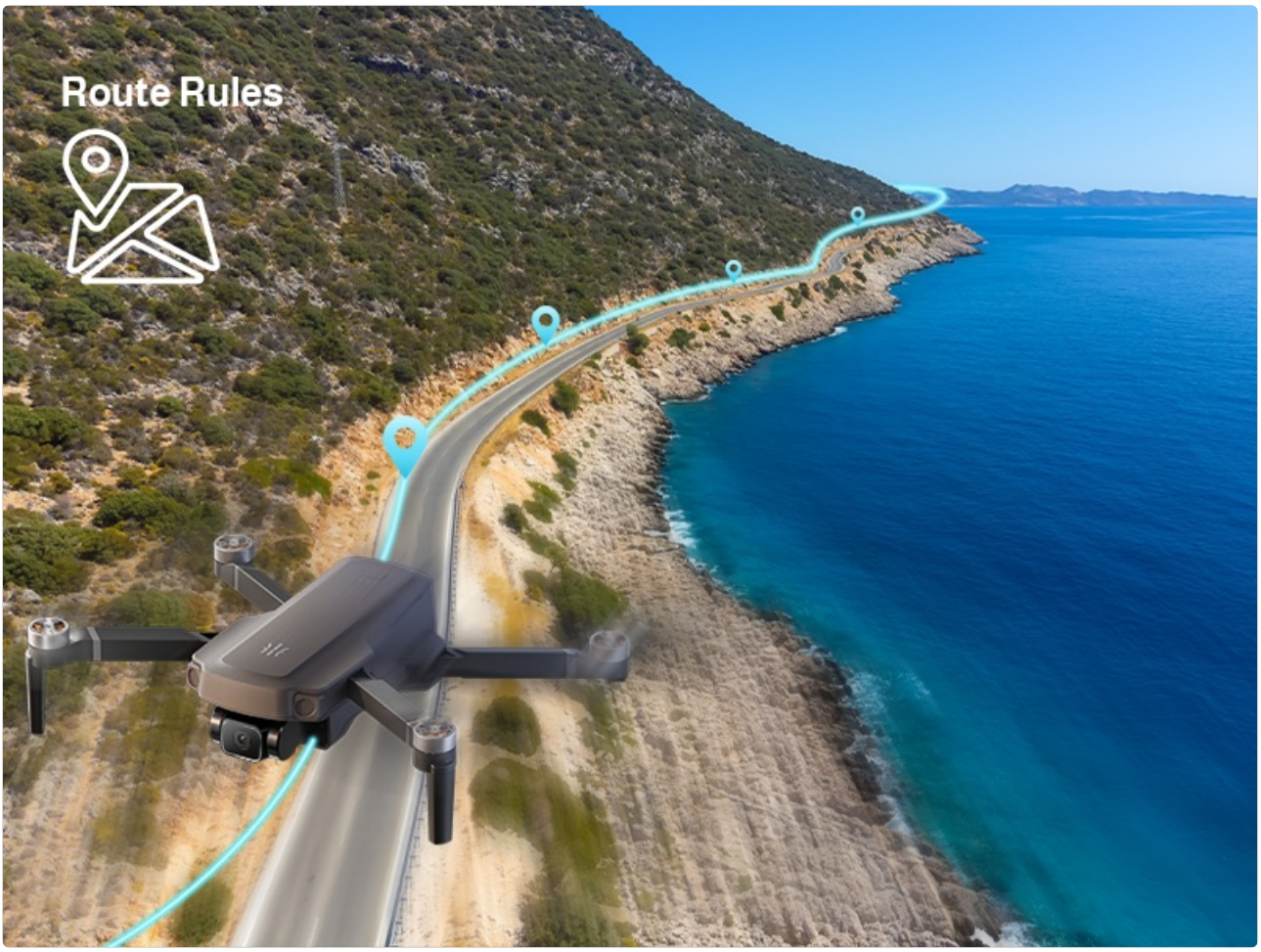

Figure 11: Overview of the drone's speed settings for various flight requirements.

3. Intelligent Flight Features

The UranHub G30 includes advanced features for enhanced flight experience:

- **One-Click Landing:** Initiates an automatic landing sequence.
- **Auto Return (RTH):** The drone automatically returns to its takeoff point under conditions such as low battery, signal loss, or manual activation.
- **GPS Follow Mode:** The drone intelligently tracks your movements, keeping you in the frame.
- **Far Fly:** The drone flies away from the pilot at a set angle, capturing a wide shot.
- **Interest Point:** The drone circles a designated point of interest, maintaining a consistent distance and altitude.
- **Route Rules (Waypoint Flight):** Plan a flight path by setting multiple waypoints on the map, and the drone will follow the route automatically.
- **Rocket Fly:** The drone ascends vertically while pointing the camera downwards, creating a "rocket" effect.



Figure 12: Visual representation of the UranHub G30's intelligent flight modes.



Figure 13: The drone's GPS system enabling safe return and tracking functions.

▶ **Watch video online**
[BE A SKY DIRECTOR] Shoot with URANHUB G30 4K Drone

Video 2: Demonstration of the UranHub G30's intelligent flight features, including Route Rules.

4. Camera Operation

The G30 drone is equipped with a 4K UHD camera for high-quality aerial photography and videography.

- **Resolution:** 3840 x 2160 (4K UHD) for video, 12MP for still images.
- **Adjustable Lens:** The camera lens can be adjusted 90° vertically via the remote controller.
- **5G FPV Transmission:** Provides smooth, real-time video feed to your smartphone.
- **Capture:** Use the dedicated photo and video buttons on the remote controller or within the app.



Figure 14: The 4K UHD camera with its 90° adjustable lens for versatile shooting angles.

Maintenance

Regular maintenance ensures the longevity and safe operation of your UranHub G30 drone.

- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using liquids or solvents.
- **Propellers:** Inspect propellers before each flight for cracks, bends, or damage. Replace any damaged propellers immediately using the provided spare parts and screwdriver.
- **Motors:** Keep motors free from dust and debris. Do not attempt to lubricate the motors.
- **Battery Care:**
  - Store batteries in a cool, dry place away from direct sunlight.
  - Do not fully discharge batteries for extended periods. Charge them to about 50-60% for long-term storage.
  - Avoid exposing batteries to extreme temperatures.
  - If a battery appears swollen, damaged, or leaks, discontinue use immediately and dispose of it properly.
- **Storage:** When not in use, store the drone and its components in a protective case to prevent damage.

Troubleshooting

This section addresses common issues you might encounter with your UranHub G30 drone.

Problem	Possible Cause	Solution
Drone does not power on.	Battery not charged or not installed correctly.	Ensure battery is fully charged and securely inserted.
Remote controller does not connect.	Remote battery low; incorrect pairing; Wi-Fi interference.	Charge remote. Re-pair drone and remote according to manual. Move to an area with less Wi-Fi interference.
Poor video transmission (FPV).	Weak Wi-Fi signal; too far from drone; interference.	Ensure strong Wi-Fi connection. Fly closer to the drone. Avoid areas with strong electromagnetic interference.
Drone drifts during flight.	Improper calibration; strong winds; GPS signal weak.	Perform compass calibration. Avoid flying in strong winds. Ensure strong GPS signal before takeoff.
Drone does not respond to controls.	Out of range; low drone battery; emergency stop activated.	Fly within operational range. Check drone battery. Reset drone and remote.

If you encounter issues not listed here, please refer to the official UranHub support resources.

Specifications

Feature	Detail
Brand	UranHub
Model Name	DR-UHG30G
Special Features	Auto Follow, Auto Return, 4K Camera, Extended Flight Time, Integrated GPS
Age Range (Description)	All Ages
Color	Dark Brown
Video Capture Resolution	4K
Effective Still Resolution	12 MP
Connectivity Technology	Wi-Fi
Included Components	Battery, Control Stick, Propeller, Remote Control, User Manual
Skill Level	All
Battery Capacity	2300 milliamp_hours
Video Capture Format	MP4
Remote Control Technology	IR
Control Type	Remote Control
Wireless Communication Technology	Wi-Fi, IR
Battery Cell Composition	Lithium Ion

Feature	Detail
Operating Temperature	40 °C (Maximum)
Supported Image Format	JPEG
Video Output Resolution	3840 pixels
Optical Sensor Technology	CMOS
Media Type	4K UHD, Photo, Video
Item Weight	249 g
Item Dimensions L x W x H	5.51"L x 3.34"W x 2.22"H
Material	ABS
UPC	768556559341

Warranty Information

Specific warranty details for the UranHub G30 drone are typically provided with your purchase documentation or on the official UranHub website. Please retain your proof of purchase for warranty claims.
Common warranty coverage includes manufacturing defects. Damage caused by improper use, accidents, or unauthorized modifications is generally not covered.

Customer Support

For further assistance, technical support, or inquiries, please contact UranHub customer service. You can find more resources, including FAQs and video tutorials, on the official UranHub website.

- **Official Brand Store:** Visit the UranHub Store on Amazon for product information and accessories.
- **Tutorial Videos:** Access helpful video guides for setup and operation.
- **Quick Start Guide:** A condensed guide for immediate use.



Figure 15: UranHub offers various customer support resources.

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