

4K HD Dual Camera GPS Drone (Model B0DPLYXFQL)

Generic 4K HD Dual Camera GPS Drone User Manual

Model: 4K HD Dual Camera GPS Drone (B0DPLYXFQL)

INTRODUCTION

This manual provides essential instructions for the safe and effective operation of your Generic 4K HD Dual Camera GPS Drone. It covers setup, flight procedures, maintenance, and troubleshooting. Please read this manual thoroughly before operating the drone to ensure proper function and to prevent damage or injury.

1. SETUP

1.1 Unboxing and Component Check

Carefully remove all components from the packaging. Verify that all items listed in the product packaging are present. Included components typically are: Drone, Remote Control, Batteries, USB Charging Cable, Spare Propellers, and Operating Instructions.

1.2 Battery Installation and Charging

- Drone Battery:** Insert the modular smart battery into the drone's battery compartment until it clicks securely into place. Ensure the battery is fully charged before first use. Connect the USB charging cable to the battery and a suitable USB power adapter (not included). Charging time may vary.
- Remote Control Batteries:** Install the required batteries (typically AA, not always included) into the remote control's battery compartment, observing polarity.

1.3 Propeller Installation

If propellers are not pre-installed, attach them according to the markings (e.g., A and B) on the propellers and motor arms. Ensure they are securely fastened to prevent detachment during flight.

1.4 App Download and Connection

Download the official drone control application from the Google Play Store or Apple App Store. Search for the app name provided in the product packaging or quick start guide. Once installed, power on the drone and remote control, then connect your smartphone to the drone's Wi-Fi network (typically named 'Drone_XXXXXX'). Open the app to establish a connection.

1200M FLIGHT 5G HD IMAGE TRANSMISSION

ANDROID APP ON
Google play

Download on the
App Store

Give you a smoother flight distance and viewing experience

OUR PRODUCTS 1200m image distance

SAME PRICE 300m image distance



Figure 1: Drone with remote control and smartphone app interface, indicating app availability on Google Play and Apple App Store.

2. OPERATING INSTRUCTIONS

2.1 Pre-Flight Checklist

- Ensure drone and remote control batteries are fully charged.
- Check propellers for damage and ensure they are securely attached.
- Verify the drone's Wi-Fi connection to your smartphone is stable.
- Perform compass and gyroscope calibration as instructed by the app or quick start guide.
- Choose an open, clear area for flight, away from obstacles, people, and restricted airspace.

2.2 Take-off and Landing

1. **Automatic Take-off:** After calibration and GPS lock (if applicable), press the one-key take-off button on the remote control or in the app. The drone will ascend to a safe hovering height.
2. **Manual Take-off:** Push both control sticks down and outwards to start the motors. Slowly push the left stick (throttle) upwards to ascend.
3. **Automatic Landing:** Press the one-key landing button. The drone will descend and land automatically.
4. **Manual Landing:** Slowly pull the left stick (throttle) downwards until the drone lands. Once landed, push both control sticks down and inwards to stop the motors.

2.3 Flight Controls

Utilize the remote control sticks to maneuver the drone:

- **Left Stick (Throttle/Yaw):** Up/Down controls altitude. Left/Right controls rotation (yaw).
- **Right Stick (Pitch/Roll):** Up/Down controls forward/backward movement (pitch). Left/Right controls sideways movement (roll).

2.4 GPS and Optical Flow Positioning

The drone features GPS for outdoor stable hovering and accurate return-to-home functions. Optical Flow Positioning assists with stable hovering in indoor environments or when GPS signal is weak.

2.5 Visual Obstacle Avoidance System

The integrated visual obstacle avoidance system helps prevent collisions by detecting obstacles in the drone's flight path. This system enhances flight safety, especially in complex environments.

VISUAL OBSTACLE AVOIDANCE SYSTEMS

- High-intelligence style flying •

The newly upgraded visual obstacle avoidance system that can effectively avoid various obstacles and avoid collisions.



Figure 2: Drone equipped with visual obstacle avoidance systems for safer flight.

2.6 Camera Operation

This drone is equipped with dual cameras:

- **Front Camera:** 4K HD resolution, with remote 90° control for adjusting the viewing angle during flight.

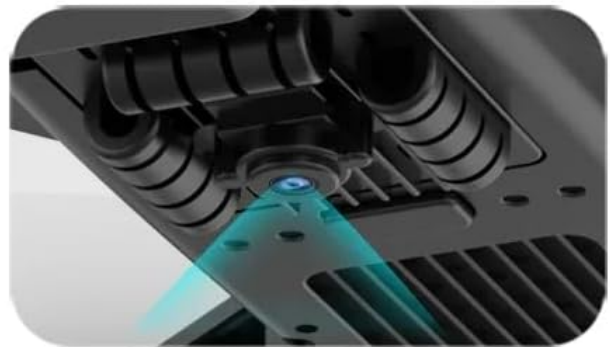
- **Bottom Camera:** 1080p resolution, optically positioned for overhead photography.

Use the dedicated buttons on the remote control or the app interface to switch between cameras, capture photos, and record videos. The 5G Wi-Fi connectivity ensures HD image transmission up to 1200 meters for a smooth viewing experience.



FRONT MOUNTED 4K ESC CAMERA

40 million HD pixels, supports
remote 90° control



1080P FOOTAGE ON THE BOTTOM

Optically positioned lenses with
freely switchable viewing angles



SUPPORT FOR FLAT SCREEN PHOTOGRAPHY

High resolution aerial photography
from the front



OVERHEAD PHOTOGRAPHY SUPPORT

High resolution aerial photography
from an overhead perspective

Figure 3: Detailed view of the drone's dual camera system, featuring a 4K front camera and a 1080p bottom camera.

3. MAINTENANCE

3.1 Cleaning

Regularly clean the drone body, propellers, and camera lenses with a soft, dry cloth. Avoid using harsh chemicals or solvents that could damage the plastic components or electronics.

3.2 Battery Care

- Always use the provided charging cable and recommended power adapter.
- Do not overcharge or completely discharge the batteries.
- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, charge batteries to approximately 50-60% capacity.

3.3 Propeller Inspection

Before each flight, inspect all propellers for cracks, bends, or other damage. Replace any damaged propellers immediately using the provided spare parts to ensure safe and stable flight.

3.4 Storage

When not in use, store the drone in its original packaging or a protective carrying bag. Keep it away from dust, moisture, and direct sunlight. The drone's foldable design allows for compact storage.

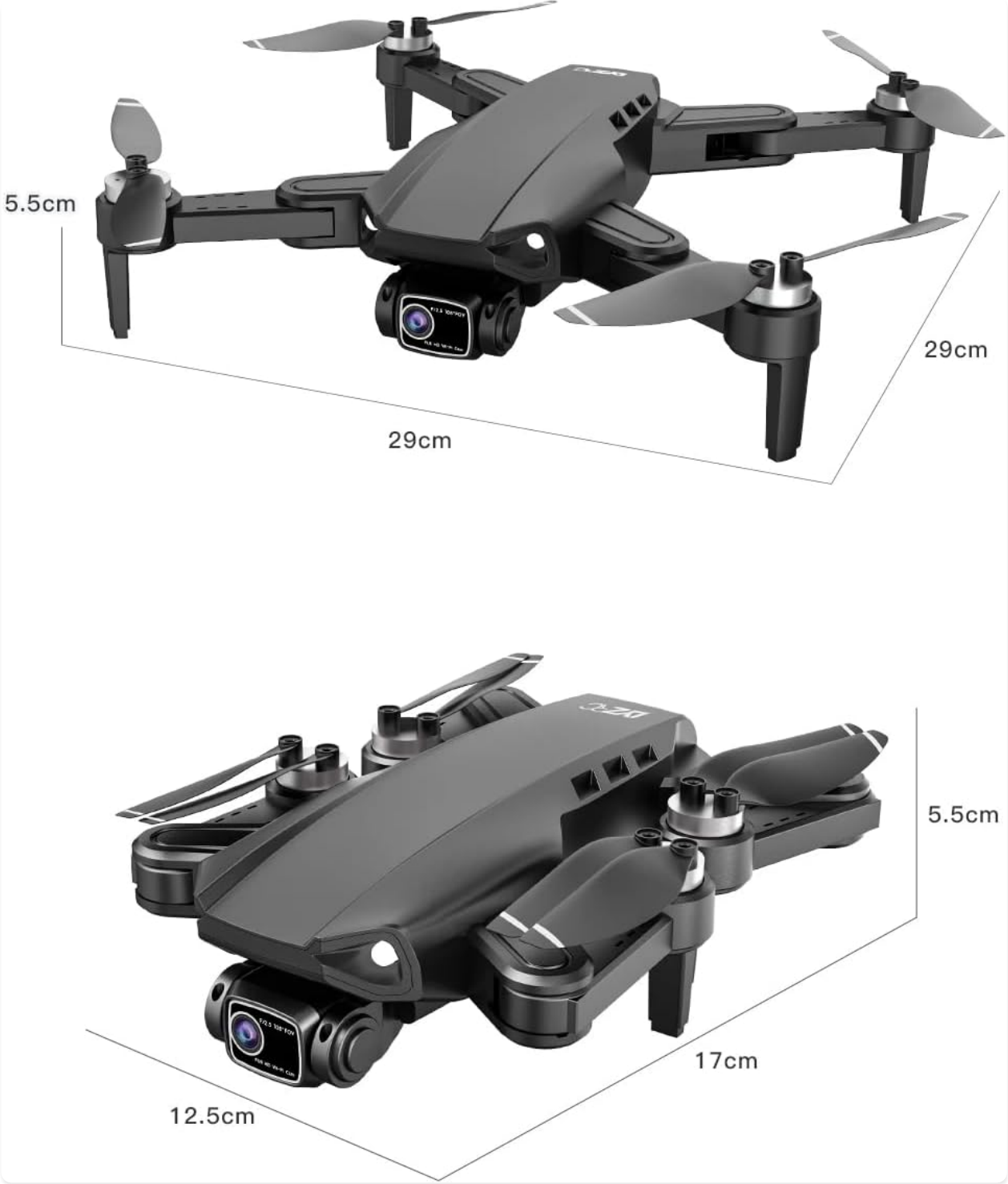


Figure 4: Drone dimensions in unfolded and folded configurations for storage and transport.

4. TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Drone does not power on	Battery not charged or improperly installed.	Ensure battery is fully charged and securely inserted.
No connection to remote control/app	Incorrect pairing procedure; Wi-Fi interference.	Re-pair remote control. Reconnect to drone's Wi-Fi. Ensure no other devices are interfering.
Unstable flight/Drifting	Improper calibration; damaged propellers; strong winds.	Perform compass and gyroscope calibration. Replace damaged propellers. Fly in calm conditions.
Camera not recording/taking photos	SD card full or missing; app/firmware issue.	Insert/replace SD card. Check app settings. Ensure sufficient storage on connected device.
Obstacle avoidance not working	Sensors obstructed or dirty; system disabled.	Clean sensors. Ensure obstacle avoidance is enabled in the app.

5. SPECIFICATIONS

- **Brand:** Generic
- **Model:** 4K HD Dual Camera GPS Drone (B0DPLYXFQL)
- **Skill Level:** Beginner
- **Special Features:** App-Controlled, Beginner-Friendly, Drone with Camera, Long Battery Life, Visual Obstacle Avoidance, GPS Positioning, Optical Flow Positioning
- **Front Camera:** 4K HD, Remote 90° Control
- **Bottom Camera:** 1080p
- **Effective Still Resolution:** 12.00 MP
- **Connectivity Technology:** USB, 5G Wi-Fi
- **Control Type:** Remote Control
- **Maximum Control Range:** Approximately 330 Feet (100 meters)
- **HD Image Transmission Range:** Up to 1200 meters
- **Battery Type:** Lithium Ion (1 included)
- **Average Flight Time:** 18 minutes (per battery)
- **Material:** Plastic
- **Color:** Black
- **Product Dimensions (Unfolded):** 11.41"L x 11.41"W x 2.16"H (approx. 29cm x 29cm x 5.5cm)
- **Product Dimensions (Folded):** 6.69"L x 4.92"W x 2.16"H (approx. 17cm x 12.5cm x 5.5cm)
- **Item Weight:** 7.68 ounces (approx. 218 grams)
- **Age Range (Description):** Adult
- **Manufacturer:** Sellvia
- **Date First Available:** December 5, 2024

6. WARRANTY INFORMATION

For detailed warranty information, please refer to the product packaging or contact the manufacturer directly.

Warranty terms and conditions may vary.

7. CUSTOMER SUPPORT

If you encounter any issues or have questions not covered in this manual, please refer to the contact information provided on the product packaging or the manufacturer's official website for customer support.