

## Wingsland S6

# Wingsland S6 Drone User Manual

Model: S6 4K Pocket Drone

## 1. INTRODUCTION

This manual provides essential information for the safe operation and maintenance of your Wingsland S6 Drone. Please read it thoroughly before using the product to ensure proper functionality and to prevent damage or injury. Keep this manual for future reference.

## 2. SAFETY GUIDELINES

Always prioritize safety when operating the Wingsland S6 Drone. Failure to follow these guidelines may result in property damage, injury, or legal consequences.

- **Flight Environment:** Fly in open areas, away from people, animals, buildings, and power lines. Avoid flying near airports or restricted airspace.
- **Weather Conditions:** Do not fly in strong winds, rain, snow, or fog. Optimal conditions are calm and clear.
- **Battery Safety:** Use only the original Wingsland S6 battery and charger. Do not overcharge or puncture the battery. Discontinue use if the battery is damaged or swollen.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers. Ensure propellers are securely attached before flight.
- **Operator Responsibility:** The operator is responsible for safe flight and adherence to local regulations. Maintain visual line of sight with the drone at all times.
- **Age Restriction:** This product is intended for adult use.

## 3. PACKAGE CONTENTS

Verify that all items are present in your Wingsland S6 Drone package:

- Wingsland S6 Drone (Orange)
- Battery
- Charger and USB Cable
- Spare Propellers
- Propeller Guards (if included in kit)
- Carrying Case
- User Manual (this document)



Image: Overview of the Wingsland S6 Drone package contents, showing the drone, battery, charger, USB cable, spare propellers, and a protective carrying case.

## 4. PRODUCT OVERVIEW

The Wingsland S6 is a compact, foldable 4K pocket drone featuring a digital camera with EIS 3-Axis digital stabilization. It includes internal GPS, a compass, barometer, and a 6-axis gyro for stable flight. Its lightweight design allows for easy portability.





Image: Top-down view of the Wingsland S6 Drone in its folded, compact state, highlighting its orange color and sleek design.



Image: Side view of the folded Wingsland S6 Drone, illustrating the USB charging port and microSD card slot for data storage.



Image: The Wingsland S6 Drone in its unfolded configuration, with propellers extended, ready for flight operations.

## 5. SETUP

### 5.1. Battery Installation and Charging

1. Insert the battery into the designated compartment on the drone until it clicks into place.
2. Connect the charger to the battery and plug the USB cable into a power source.
3. The indicator light on the charger will show charging status (e.g., red for charging, green for fully charged).

4. Charging typically takes approximately 60-90 minutes. Do not leave unattended while charging.

## 5.2. Propeller Installation

Ensure propellers are correctly installed. Each propeller is marked (A or B) and must match the corresponding motor arm.

1. Match the propeller type (A or B) to the motor arm.
2. Place the propeller onto the motor shaft.
3. Twist the propeller clockwise to secure it firmly.
4. Verify all propellers are securely attached before flight.

## 5.3. App Download and Connection

The Wingsland S6 is app-controlled. Download the official Wingsland S6 app from your device's app store.

1. Power on the drone.
2. Enable Wi-Fi on your smartphone and connect to the drone's Wi-Fi network (e.g., "Wingsland\_S6\_XXXX").
3. Open the Wingsland S6 app. The app should automatically connect to the drone.
4. Follow on-screen prompts for calibration if necessary.

# 6. OPERATING INSTRUCTIONS

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## 6.1. Pre-Flight Checklist

- Ensure battery is fully charged and securely installed.
- Check that propellers are correctly and securely attached.
- Verify drone is unfolded and placed on a flat, level surface.
- Confirm strong Wi-Fi connection between drone and smartphone.
- Check GPS signal strength in the app before outdoor flight.

## 6.2. Takeoff and Landing

1. **Automatic Takeoff:** In the app, tap the 'Auto Takeoff' button. The drone will ascend to a safe altitude and hover.
2. **Manual Takeoff:** Push both control sticks (virtual joysticks in app) down and outwards to arm the motors. Slowly push the left stick up to ascend.
3. **Automatic Landing:** Tap the 'Auto Landing' button in the app. The drone will descend slowly and land.
4. **Manual Landing:** Slowly pull the left stick down to descend. Once landed, push both sticks down and inwards to disarm motors.

## 6.3. Flight Controls (App-based)

The app provides virtual joysticks and buttons for controlling the drone:

- **Left Stick:** Up/Down for altitude (throttle), Left/Right for rotation (yaw).
- **Right Stick:** Up/Down for forward/backward movement (pitch), Left/Right for sideways movement (roll).

- **GPS Mode:** Utilize GPS for stable hovering and return-to-home functions.
- **Follow-Me Mode:** The drone can track and follow the operator's smartphone.

### 6.4. Camera Operation

The integrated 4K camera supports 4K30P and 1080P60P HD video with EIS 3-Axis digital stabilization.

- **Photo/Video Switch:** Use the dedicated button in the app to switch between photo and video modes.
- **Capture Button:** Tap the capture button to take a photo or start/stop video recording.
- **Media Storage:** Photos and videos are saved to the microSD card inserted into the drone.

## 7. MAINTENANCE

### 7.1. Cleaning

- Wipe the drone's body with a soft, dry cloth after each flight.
- Remove any dust or debris from motors and propellers using a soft brush or compressed air.
- Do not use liquid cleaners or solvents directly on the drone.

### 7.2. Storage

- Store the drone in its carrying case in a cool, dry place, away from direct sunlight.
- Remove the battery if storing for extended periods. Store batteries at approximately 50% charge.

### 7.3. Propeller Replacement

If propellers are damaged, replace them immediately to ensure stable flight.

1. Gently twist the damaged propeller counter-clockwise to remove it.
2. Select a new propeller of the correct type (A or B).
3. Align the new propeller with the motor shaft and twist clockwise to secure.

## 8. TROUBLESHOOTING

Refer to the following common issues and solutions:

| Problem                      | Possible Cause                                         | Solution                                                                       |
|------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------|
| Drone does not power on      | Low battery; improperly installed battery              | Charge battery; ensure battery is fully inserted.                              |
| Drone unstable during flight | Damaged propellers; uncalibrated sensors; strong winds | Replace damaged propellers; recalibrate drone via app; fly in calm conditions. |
| No video feed in app         | Weak Wi-Fi connection; app error                       | Reconnect Wi-Fi; restart app and drone.                                        |
| GPS signal not acquired      | Flying indoors; interference; cloudy weather           | Fly outdoors in an open area; avoid areas with high interference.              |

| Problem                            | Possible Cause                           | Solution                                                   |
|------------------------------------|------------------------------------------|------------------------------------------------------------|
| Drone does not respond to controls | Disconnected from app; low drone battery | Check app connection; land immediately and charge battery. |

## 9. SPECIFICATIONS

| Feature                  | Detail                                            |
|--------------------------|---------------------------------------------------|
| Brand                    | Wingsland                                         |
| Model Name               | S6 Drone                                          |
| Special Features         | App-controlled, Follow-Me, GPS, Integrated Camera |
| Age Range (Description)  | Adult                                             |
| Color                    | Orange                                            |
| Video Capture Resolution | 1080p (supports 4K30P and 1080P60P HD Video)      |
| Connectivity Technology  | Wi-Fi                                             |
| Skill Level              | Beginner                                          |
| Item Weight              | 1.8 Pounds (approx. 260g)                         |
| Video Capture Format     | 4K                                                |

## 10. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact Wingsland customer support. Keep your proof of purchase for warranty claims.

For technical support or further assistance, please visit the official Wingsland website or contact their customer service department.

- **Official Website:** [www.wingsland.com](#) (Placeholder link, please refer to actual product documentation)
- **Customer Support:** Refer to your product packaging or official website for contact details.