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ObabO S6 Max

OBABO S6 Max Drone User Manual

Model: S6 Max

1. INTRODUCTION

This manual provides essential information for the safe operation and maintenance of your OBABO S6 Max Drone. Please read this manual thoroughly before operating the drone to ensure proper function and to prevent damage or injury. The OBABO S6 Max is a foldable quadcopter equipped with a high-definition camera (available in 4K, 6K, or 8K resolutions), obstacle avoidance technology, and various intelligent flight modes designed for aerial photography and recreational flight.

2. SAFETY GUIDELINES

Operating a drone requires responsibility. Adhere to the following safety guidelines:

- **Local Regulations:** Always comply with local aviation regulations and restrictions. Flying near airports, military bases, or restricted airspace is prohibited.
- **Line of Sight:** Maintain visual line of sight with your drone at all times.
- **Weather Conditions:** Do not fly in strong winds, rain, snow, or fog.
- **Obstacles:** Avoid flying near people, animals, buildings, or trees. The obstacle avoidance system assists, but is not foolproof.
- **Battery Safety:** Use only approved batteries and chargers. Do not overcharge or puncture batteries. Discontinue use if batteries are damaged or swollen.
- **Propellers:** Keep hands and face clear of rotating propellers. Ensure propellers are securely attached before flight.
- **Age Recommendation:** This product is intended for adult use.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

S6_{Max} Blue-Dual-8K-Bag

8K



Accessories



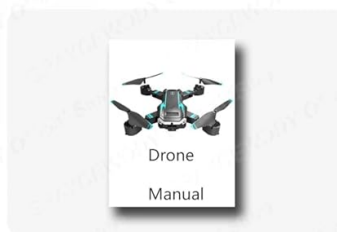
Bag



Remote control



Battery*1 (total)



Manual

Image: The OBABO S6 Max drone, remote control, battery, charging cable, screwdriver, spare blades, and user manual are displayed alongside a carrying bag.

- 1 x OBABO S6 Max Quadcopter
- 1 x Remote Control
- 1 x 3.7V Lithium Battery
- 1 x USB Charging Cable
- 1 x Screwdriver
- 1 x User Manual (this document)
- 2 x Spare Blades

Note: The remote control requires 3 x 1.5 AAA batteries, which are not included.

4. PRODUCT OVERVIEW

The OBABO S6 Max drone features a foldable design for portability and is equipped with advanced flight capabilities.



Image: The OBABO S6 Max drone with its arms extended and propellers attached, ready for flight.

Key Features:

- **Foldable Design:** Compact and easy to transport.
- **HD Camera:** Available in 4K, 6K, or 8K resolutions for high-quality aerial photography and video.
- **Obstacle Avoidance:** Intelligent sensors detect and help avoid obstacles in real-time.
- **Optical Flow Positioning:** Provides stable hovering and precise flight control.
- **GPS Positioning Mode:** Enables more accurate flight and advanced features.
- **5G WiFi Connectivity:** Connects to a mobile app for real-time image/video transmission and control.
- **Altitude Hold Mode:** Maintains a stable altitude for easier control.
- **Intelligent Flight Modes:** Includes Orbital Motion (circle flight) and Waypoint Flight (pre-set route).
- **One-Click Functions:** Take-off, landing, and return-to-home for simplified operation.
- **Headless Mode:** Simplifies flight orientation, eliminating the need to adjust the drone's position.
- **Adjustable Speed:** Three flight speed levels for various skill levels.



Image: Visual representation of the drone's dimensions when folded (7.5 x 4.9 x 3.0 inches) and unfolded (15.7 x 15.7 x 3.0 inches).

5. SETUP

5.1 Charging the Drone Battery

1. Connect the 3.7V Lithium Battery to the USB charging cable.
2. Plug the USB charging cable into a 5V/1A USB power adapter (not included).
3. The charging indicator will show the charging status. Charging time is approximately 120-150 minutes.
4. Disconnect the battery once fully charged. Do not leave unattended during charging.

5.2 Installing the Drone Battery

1. Ensure the drone is powered off.
2. Locate the battery compartment on the drone.
3. Insert the charged battery into the compartment, ensuring it is securely seated.
4. Close the battery compartment cover.

5.3 Installing Remote Control Batteries

1. Open the battery cover on the back of the remote control.

2. Insert 3 x 1.5 AAA batteries, observing the correct polarity (+/-).
3. Close the battery cover.

5.4 Unfolding the Drone

1. Gently unfold the front arms of the drone until they lock into place.
2. Then, unfold the rear arms. Ensure all arms are fully extended and locked.

5.5 Propeller Installation/Replacement

If propellers need to be installed or replaced:

1. Match the propeller type (A or B) with the corresponding motor shaft. Each motor has a specific propeller type.
2. Use the provided screwdriver to secure the propellers with the small screws.
3. Ensure propellers are firmly attached but not overtightened.

5.6 App Installation and Connection

1. Scan the QR code in the manual or search for the designated drone app (e.g., "S6 Max Drone" or similar) on the App Store (iOS) or Google Play Store (Android).
2. Download and install the app on your mobile device.
3. Power on the drone.
4. On your mobile device, go to Wi-Fi settings and connect to the drone's Wi-Fi network (e.g., "S6 Max-XXXXXX").
5. Open the drone app. You should see the live camera feed.

One-touch
control Beginners
can easily control



One-click
control



Image: A smartphone mounted on the remote control, displaying the drone's live camera feed and control interface within the app.

5.7 Pairing Drone and Remote Control

1. Place the drone on a flat, level surface.
2. Power on the drone. The indicator lights will flash.
3. Power on the remote control.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone lights will stop flashing and become solid, indicating successful pairing.

6. OPERATING INSTRUCTIONS

6.1 Basic Flight Controls

One-touch
control Beginners
can easily control



One-click
control



Image: A detailed diagram of the remote control, labeling buttons for speed adjustment, headless mode, one-key back, throttle stick, one-key take-off/landing, direction stick, 360° tumbling, one-click fine-tuning, one-key emergency stop, and obstacle avoidance.

• **Left Joystick (Throttle):**

- Push Up/Down: Ascend/Descend
- Push Left/Right: Rotate Left/Right (Yaw)

• **Right Joystick (Direction):**

- Push Up/Down: Fly Forward/Backward (Pitch)
- Push Left/Right: Fly Left/Right (Roll)

6.2 One-Click Take-off / Landing / Return

Intelligent obstacle avoidance refuses to crash

Escort the flight



Avoidance



Image: Illustrations demonstrating the drone's one-key take-off, one-touch landing, and one-click return functions, highlighting ease of control for beginners.

- **One-Click Take-off:** Press the dedicated button on the remote control (or in the app) to automatically take off and hover at a stable altitude.
- **One-Click Landing:** Press the dedicated button to initiate an automatic landing. The drone will descend slowly and land.
- **One-Click Return:** Press the return button. In GPS mode, the drone will attempt to return to its take-off point. In non-GPS modes, it will fly backward.

6.3 Headless Mode

Activate Headless Mode by pressing its button on the remote. In this mode, the drone's orientation is relative to the pilot, regardless of which way the drone's front is facing. Pushing the right joystick forward will always make the drone fly away from you, and pulling it back will make it fly towards you.

6.4 Altitude Hold Mode

The drone automatically maintains a stable altitude, allowing you to focus on directional control and camera operation. This mode is active by default after take-off.

6.5 GPS Positioning Mode

When GPS signal is strong, the drone will enter GPS positioning mode, providing more accurate hovering and return-to-home functions. Ensure you have a clear view of the sky for optimal GPS performance.

6.6 Intelligent Flight Modes (via App)

- **Orbital Motion:** Select this mode in the app, set a radius, and the drone will fly in circles around a central point, capturing dynamic footage.
- **Waypoint Flight:** Draw a desired flight path on the app's map interface. The drone will automatically follow this path.

6.7 Speed Adjustment

Press the speed button on the remote control to cycle through three flight speed levels (low, medium, high) to match your skill level and flying environment.

6.8 Camera Operation

With the drone connected to the app:

- **Photo:** Tap the camera icon in the app to take a still photograph.
- **Video:** Tap the video icon to start recording. Tap again to stop.
- **Real-time Transmission:** The app displays a live feed from the drone's camera, allowing you to monitor your shots.

6.9 Obstacle Avoidance

In place,
to watch
Views from afar!



HD video
transmission

Watch the drone instantly from your phone
wonderful scenery in the distance.



Image: The drone in flight, illustrating its intelligent obstacle avoidance system detecting nearby objects with red wave indicators, designed to prevent collisions.

The drone is equipped with intelligent sensors to detect and help avoid obstacles. While this feature enhances safety, it is not a substitute for careful piloting. Always maintain awareness of your surroundings.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Do not use harsh chemicals or solvents.
- **Propellers:** Regularly inspect propellers for damage (cracks, bends). Replace damaged propellers immediately using the provided spare blades and screwdriver.
- **Motors:** Keep motors free from dust and debris. Avoid flying in sandy or dusty environments.
- **Battery Storage:** Store batteries in a cool, dry place, partially charged (around 50%) if not used for extended periods.
- **Storage:** When not in use, fold the drone and store it in its original packaging or a protective carrying case to prevent damage.

Official convenient storage box

Waterproof and anti-fall, more convenient to carry



Remote control guide



Image: The OBABO S6 Max drone, remote control, and accessories neatly organized within a durable, waterproof, and anti-fall storage box, emphasizing convenient and safe transport.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on.	Battery is not charged or not installed correctly.	Charge the drone battery fully. Ensure the battery is inserted correctly and securely.
Remote control does not power on.	AAA batteries are dead or installed incorrectly.	Replace AAA batteries with new ones, ensuring correct polarity.
Drone and remote control fail to pair.	Incorrect pairing procedure or interference.	Ensure drone and remote are powered on. Perform the pairing sequence (throttle up-down) again. Move away from other wireless devices.
Unstable flight / Drifting.	Drone not calibrated on a flat surface; strong winds.	Place the drone on a flat surface before powering on and pairing. Recalibrate if necessary (refer to app or remote fine-tuning instructions). Avoid flying in windy conditions.
No live video feed in app.	Not connected to drone's Wi-Fi; app not open.	Ensure your mobile device is connected to the drone's Wi-Fi network. Close and reopen the app.
Obstacle avoidance not working.	Sensors are dirty or obstructed; feature disabled.	Clean the obstacle avoidance sensors. Ensure the feature is enabled (if applicable via app/remote). Note that the system has limitations.

9. SPECIFICATIONS

Feature	Detail
Brand	ObabO
Model Name	S6 Max
Color	Blue (variant shown)
Video Capture Resolution	4K, 6K, 8K (depending on model variant)
Connectivity Technology	APP Controller, Wi-Fi (5G)
Remote Control Technology	WIFI, APP Controller
Special Features	5G Wi-Fi, Altitude Hold, Orbital Flight, Waypoint Flight, One-Click Return, Obstacle Avoidance
Flight Time	Up to 15-20 minutes
Charging Time	120-150 minutes
5G WiFi FPV Distance	Up to 5000m (approx. 3.1 miles)
FOV	120° Wide Angle
Folded Dimensions	7.5 x 4.9 x 3.0 inches
Unfolded Dimensions	15.7 x 15.7 x 3.0 inches
Item Weight	Approximately 4.8 ounces (0.3 Pounds)
Material	High-strength engineering plastics
Battery Cell Composition	Lithium
UPC	675485544679

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official OBABO website or contact the retailer from whom you purchased the product. Keep your purchase receipt as proof of purchase. For further assistance, please contact OBABO customer service.