

L600 Pro Max

Professional Drone L600 Pro MAX User Manual

Model: L600 Pro Max | Brand: Generic

INTRODUCTION

This user manual provides comprehensive instructions for the safe operation, setup, and maintenance of your L600 Pro MAX Professional Drone. Please read this manual thoroughly before operating the drone to ensure proper use and to prevent damage or injury. Keep this manual for future reference.



Image: The L600 Pro MAX Professional Drone, showcasing its sleek design and propellers in motion, indicating flight readiness.

SAFETY GUIDELINES

Adhering to these safety guidelines is crucial for safe and responsible drone operation:

- Always operate the drone in open areas, away from people, buildings, and obstacles.
- Maintain a clear line of sight with the drone at all times.
- Do not fly in strong winds, rain, snow, or other adverse weather conditions.
- Ensure batteries are fully charged and properly installed before each flight.
- Familiarize yourself with local regulations and restrictions regarding drone operation.
- Keep fingers and loose clothing away from rotating propellers.
- Do not operate the drone under the influence of alcohol or drugs.
- Perform pre-flight checks as outlined in this manual before every flight.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- L600 Pro MAX Drone
- Remote Controller
- 7.4V 4500mAh Battery (1 included, additional may be purchased separately)
- Propellers (Spare set included)
- User Manual (This document)
- Charging Cable
- Storage Bag/Backpack

L600

PRO MAX

1*Battery+backpack

4K
ULTRAHD



Camera Lens:

Video resolution: 2048*1080P

Photo resolution: 4096*3072P

Drone without Battery



backpack



1*7.4V 4500mAh

4500mAh battery

3KM RC distance

3KM image transmission



3-Axis gimbal

Image: A visual representation of the L600 Pro MAX drone and its accompanying accessories, including the remote controller, battery, propellers, and user manual.

PRODUCT OVERVIEW

The L600 Pro MAX is an advanced professional drone designed for superior aerial photography and stable flight. It integrates cutting-edge technology for an enhanced user experience.

4K HD Camera System

Equipped with a 4K HD camera, the L600 Pro MAX captures stunning photos at 4096x3072P and videos at 2048x1080P. The camera features an anti-shake lens for crystal-clear imagery.

Master Lens

【Belong to your travel masterpiece】

During the journey, those short periods of time that linger wherever they go, lost in the wind and sunshine they encounter, are simply too beautiful to be true. Master lens and focus follow, make the picture in the lens like a movie clip, and the memory will be more gorgeous from now on.

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Image: A detailed view of the drone's primary camera, emphasizing its "Master Lens" designation for high-quality image capture.



✔ Details are clearly visible

✘ No anti-shake gimbal effect

Image: A side-by-side comparison demonstrating the effectiveness of the anti-shake gimbal, showing a clear image on the left and a blurred image on the right without stabilization.

360° Laser Obstacle Avoidance

The drone is equipped with an innovative 360-degree laser obstacle avoidance system, providing intelligent detection and navigation around obstacles in all directions, enhancing flight safety.

Three-axis mechanical stabilization gimbal brings more effective anti-shake effect and guarantees image quality at the same time



Image: A front perspective of the drone, illustrating the location of its obstacle avoidance sensors with a wavy blue line indicating detection.

Three-Axis Mechanical Self-Stabilizing Gimbal

The three-axis mechanical gimbal ensures smooth and stable footage by compensating for drone movements, allowing for precise camera control and professional-grade video capture.

Three-axis gimbal is stable enough 【Can move with your heart】

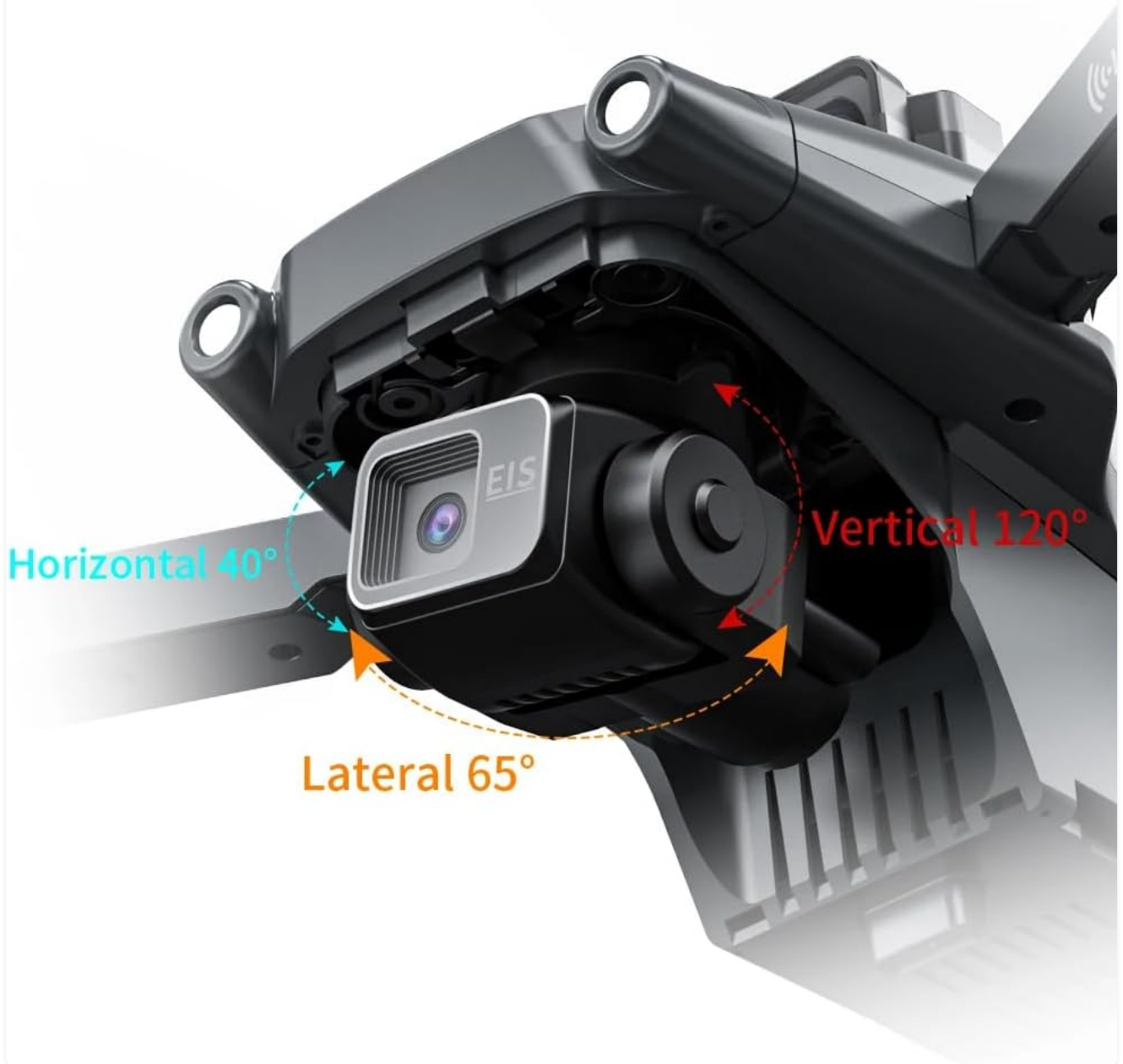


Image: A graphic demonstrating the range of motion for the drone's three-axis gimbal, showing horizontal 40°, lateral 65°, and vertical 120° adjustments.



Image: Three distinct views of the gimbal, each highlighting its rotational capacity along one axis: horizontal, lateral, and vertical, with red arrows indicating movement.

SETUP

1. Battery Installation

1. Ensure the drone and remote controller are powered off.
2. Locate the battery compartment on the rear of the drone.
3. Insert the 7.4V 4500mAh battery firmly into the compartment until it clicks into place.
4. Close the battery compartment cover securely.
5. For the remote controller, open the battery cover and insert the required 9V batteries (included) according to polarity markings.

2. Propeller Installation

The propellers are marked with 'A' or 'B'. Match them to the corresponding motor arms. Ensure they are securely fastened.

1. Identify the 'A' and 'B' markings on the propellers and motor arms.
2. Align the propeller with the motor shaft and press down firmly, then twist to lock (refer to visual indicators on the drone).
3. Ensure all propellers are installed correctly and are not loose.

3. Remote Controller Setup

Power on the remote controller after battery installation. It will automatically attempt to pair with the drone once the drone is powered on.

5G real-time high-definition image transmission

【Excellent image transmission system】

The high-definition 5G image transmission technology is amazing

technology is amazing.

- L600 PRO MAX -



Image: The drone's remote controller with a smartphone attached, showing the live 5G real-time high-definition image transmission from the drone's camera.

4. App Installation and Connection

Download the official L600 Pro MAX app from your smartphone's app store. Connect your smartphone to the drone's Wi-Fi

network (usually named "L600_XXXXXX") to enable live video transmission and advanced control features.

1. Scan the QR code in the quick start guide or search for "L600 Pro MAX" in your app store.
2. Install the application.
3. Power on the drone.
4. Go to your phone's Wi-Fi settings and connect to the drone's Wi-Fi network.
5. Open the L600 Pro MAX app; it should automatically connect to the drone.

OPERATING INSTRUCTIONS

1. Pre-Flight Checklist

- Ensure drone and remote controller batteries are fully charged.
- Check that propellers are securely attached and undamaged.
- Verify that the camera gimbal is free from obstructions.
- Confirm GPS signal acquisition (indicated by solid green lights on the drone).
- Check for clear flight path and suitable weather conditions.

2. Takeoff and Landing

After powering on the drone and remote controller, and establishing connection:

- **Automatic Takeoff:** Press the one-key takeoff button on the remote controller or in the app. The drone will ascend to a safe height and hover.
- **Manual Takeoff:** Push both joysticks down and outwards to arm the motors. Slowly push the left joystick up to ascend.
- **Automatic Landing:** Press the one-key landing button. The drone will descend and land automatically.
- **Manual Landing:** Slowly pull the left joystick down to descend. Once landed, push both joysticks down and inwards to disarm the motors.

3. Flight Controls

Standard Mode 2 controls:

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

4. Camera Operation

Control the camera directly from the remote controller or via the app interface.

- **Photo Capture:** Press the dedicated photo button on the remote controller or tap the camera icon in the app.
- **Video Recording:** Press the dedicated video button to start/stop recording. Ensure a 30G SD card is inserted for storage.
- **Gimbal Control:** Use the gimbal dial on the remote controller to adjust the camera's vertical angle.

Intelligent film

【Accompany you to record every journey】

High dynamic range, high resolution, natural color reproduction and light and shadow performance make the night scene under the lens crystal clear and moving.

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Love the feeling of
being on the road...



Love this colorful world.



Image: Examples of high-quality aerial footage and photography captured by the drone, demonstrating its "Intelligent Film" features and natural color reproduction.

5. Intelligent Flight Modes

The L600 Pro MAX offers several intelligent flight modes for enhanced functionality:

- **GPS Positioning:** Provides precise hovering and stable flight. Ensure sufficient GPS satellites are acquired before flight.
- **Follow Me Mode:** The drone will automatically follow the remote controller or connected smartphone.
- **Corridor Navigation:** Utilizes obstacle avoidance to navigate through narrow spaces.
- **Night Flying Capability:** Designed for stable operation in low-light conditions.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your drone.

- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using liquid cleaners.
- **Propellers:** Inspect propellers for cracks, bends, or damage before each flight. Replace damaged propellers immediately.
- **Battery Care:**
 - Charge batteries using only the provided charger.
 - Do not overcharge or completely discharge 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% capacity.
- **Storage:** Store the drone and its components in the provided storage bag or a protective case when not in use.

TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Drone does not power on.	Battery not installed correctly or discharged.	Ensure battery is fully charged and properly inserted.

Problem	Possible Cause	Solution
No connection with remote controller.	Remote controller not powered on, out of range, or not paired.	Power on remote controller, ensure it's within 3000M range, re-pair if necessary (refer to pairing instructions).
Poor image/video quality.	Camera lens dirty, gimbal not calibrated, or insufficient lighting.	Clean lens, calibrate gimbal, fly in well-lit conditions or utilize night flying mode.
Drone drifts during flight.	Insufficient GPS signal, compass interference, or uncalibrated sensors.	Fly in open areas with strong GPS signal, perform compass calibration, or IMU calibration.
Obstacle avoidance not working.	Sensors obstructed or system malfunction.	Ensure sensors are clean and unobstructed. If issue persists, contact support.

SPECIFICATIONS

Detailed technical specifications for the L600 Pro MAX drone:

Feature	Detail
Brand	Generic
Model Name	L600 Pro Max
Special Features	360-degree Laser Obstacle Avoidance, Three-axis Mechanical Self-stabilizing Gimbal, 29 Minutes Flight Time, 4K HD Camera, GPS Navigation
Video Capture Resolution	2048x1080p, 4K
Effective Still Resolution	4096 MP (4096x3072P)
Connectivity Technology	Wi-Fi, GPS
Included Components	User Manual, Propellers, Battery, Drone, Remote Controller
Skill Level	Intermediate
Item Weight	11.6 Ounces (approx. 330g)
Video Capture Format	MP4
Remote Control Technology	Radio Control
Material	Plastic, Metal
Wireless Communication	Wi-Fi, RF (5G real-time image transmission)
Battery Type	Lithium Ion (7.4V 4500mAh)

Feature	Detail
Flight Time	Up to 29 minutes
Remote Control Distance	Up to 3000M
Image Transmission Distance	Up to 800M
Max Flight Altitude	300M
SD Card Support	Up to 30G
Product Dimensions	11.4"L x 11"W x 4"H

WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or contact the retailer where the product was purchased.

For technical support, troubleshooting assistance, or inquiries about spare parts, please contact our customer service team. Contact information can typically be found on the product packaging or the official brand website.

Please note: Damage caused by improper operation, unauthorized modification, or failure to follow instructions in this manual is not covered under warranty.