

FINOTI L200 PRO MAX

FINOTI L200 PRO MAX GPS Drone User Manual

Model: L200 PRO MAX | Brand: FINOTI

1. INTRODUCTION

Thank you for choosing the FINOTI L200 PRO MAX GPS Drone. This advanced quadcopter is equipped with a 4K HD camera, a 2-axis mechanical gimbal for stable footage, and intelligent flight features including GPS positioning and 360° obstacle avoidance. This manual will guide you through the setup, operation, maintenance, and troubleshooting to ensure a safe and enjoyable flight experience.

2. PRODUCT OVERVIEW

2.1 Drone Components

Familiarize yourself with the main components of your L200 PRO MAX drone.



Figure 2.1: Drone Component Diagram. This image illustrates the key parts of the drone, including the 360° Laser Obstacle Avoider, GPS module, 4K HD camera, and 2-axis mechanical head.

2.2 Camera System

The drone features a high-definition electric anti-shake lens with adjustable angles for superior aerial photography and videography.

High-definition electric anti-shake lens

【The angle moves with the heart.】



Figure 2.2: High-Definition Camera Lens. This image shows the drone's camera, highlighting its horizontal 40° and vertical 120° adjustment capabilities for capturing diverse perspectives.

2.3 Remote Control Layout

Understand the functions of each button and joystick on your remote control for precise drone operation.

Flagship new standard

【Intelligent functions are more abundant】



EIS 2-axis
anti-shake head



4K HD



360° Laser
Obstacle Avoidance



Double camera
switching



Foldable body



GPS
positioning return



Optical flow gps
mode switch



Surround shooting



Route
planning shooting



GPS Follow



Image follow



Dual camera
switching



Optical flow
localization



5G system



5G HD image
transmission

Figure 2.3: Remote Control Introduction. This diagram labels the various controls on the remote, including joysticks for movement, buttons for camera functions, GPS switch, power switch, and indicators for charging and GPS status.

2.4 Package Contents

Verify that all items are present in your package.



Figure 2.4: Package Contents. This image displays the items included in the drone package: the drone, remote control, mobile phone clip, body battery, USB charging cable, screwdriver, spare air blades, spare screws, and the instruction manual.

3. SETUP

3.1 Battery Charging and Installation

- Drone Battery:** Connect the 7.4V/1600mAh intelligent lithium battery to the provided USB charging cable. Connect the USB cable to a 5V/2A USB adapter (not included). The charging indicator will show progress. A full charge typically takes 2-3 hours. Once charged, slide the battery securely into the drone's battery compartment.
- Remote Control Battery:** The remote control uses an internal rechargeable battery. Charge it using a standard USB cable connected to a 5V/1A USB adapter. The power indicator will show charging status.

3.2 Propeller Installation

Ensure propellers are correctly installed. Match propellers marked 'A' to motor shafts marked 'A', and 'B' to 'B'. Secure them with the provided screws.

3.3 Mobile App Connection

1. Download the official drone application from your device's app store by scanning the QR code in the manual or searching for the app name.
2. Power on the drone and the remote control.
3. On your mobile device, go to Wi-Fi settings and connect to the drone's Wi-Fi network (usually named 'FINOTI-XXXXXX').
4. Open the drone application. The live video feed from the drone's camera should appear, indicating a successful connection.

4. OPERATING INSTRUCTIONS

4.1 Pre-Flight Checklist

- Ensure drone and remote control batteries are fully charged.
- Check that propellers are securely attached and undamaged.
- Perform a visual inspection of the drone for any loose parts or damage.
- Choose an open area free from obstacles, people, and animals.
- Ensure strong GPS signal (indicated on the remote control display or app).

4.2 Basic Flight Controls

1. **Power On:** Place the drone on a flat, level surface. Power on the drone, then the remote control.
2. **Pairing:** The drone and remote control should automatically pair. If not, follow the pairing instructions in the app or manual.
3. **Calibration:** Perform gyroscope and compass calibration as instructed by the app or manual for stable flight.
4. **Takeoff:** Press the one-key takeoff button or push both joysticks simultaneously to the bottom-outer corners to arm the motors, then push the left joystick up to ascend.
5. **Landing:** Press the one-key landing button or slowly pull the left joystick down to descend and land.
6. **Directional Control:** Use the right joystick for forward/backward and left/right movement. Use the left joystick for altitude and rotation.

4.3 Intelligent Flight Modes

- **GPS Intelligent Tracking:** The drone will automatically follow the remote controller or mobile device.
- **Image Following:** Identify a shooting object in the app, and the drone will perform automatic following flight.
- **Gesture Recognition:** Within 1-3 meters of the aircraft, make a photo gesture or camera gesture in front of the camera to trigger photo or video recording.
- **Route Multi-point Planning Flight:** Set a desired flight path on the map within the app. The drone will fly independently along the pre-set route.
- **Fixed Point Surround:** Select a central point on the map, then use the joystick to adjust the desired radius for the drone to orbit around the point.
- **Aircraft Retrieval Function:** If the drone is lost, continuously click the GPS signal icon 3 times in the app to open the map interface, which displays the drone's last known distance, longitude, and latitude.
- **Return to Home (RTH):** Press the RTH button. The drone will automatically return to its takeoff point if GPS signal is strong. This function also activates automatically on low battery or signal loss.

4.4 Obstacle Avoidance

The L200 PRO MAX drone features 360° laser obstacle avoidance (optional device). This system automatically detects

obstacles within 20 meters, enhancing flight safety. Note that obstacle avoidance may not function optimally in all environments, such as against glass or very dark surfaces, or in extremely narrow corridors.

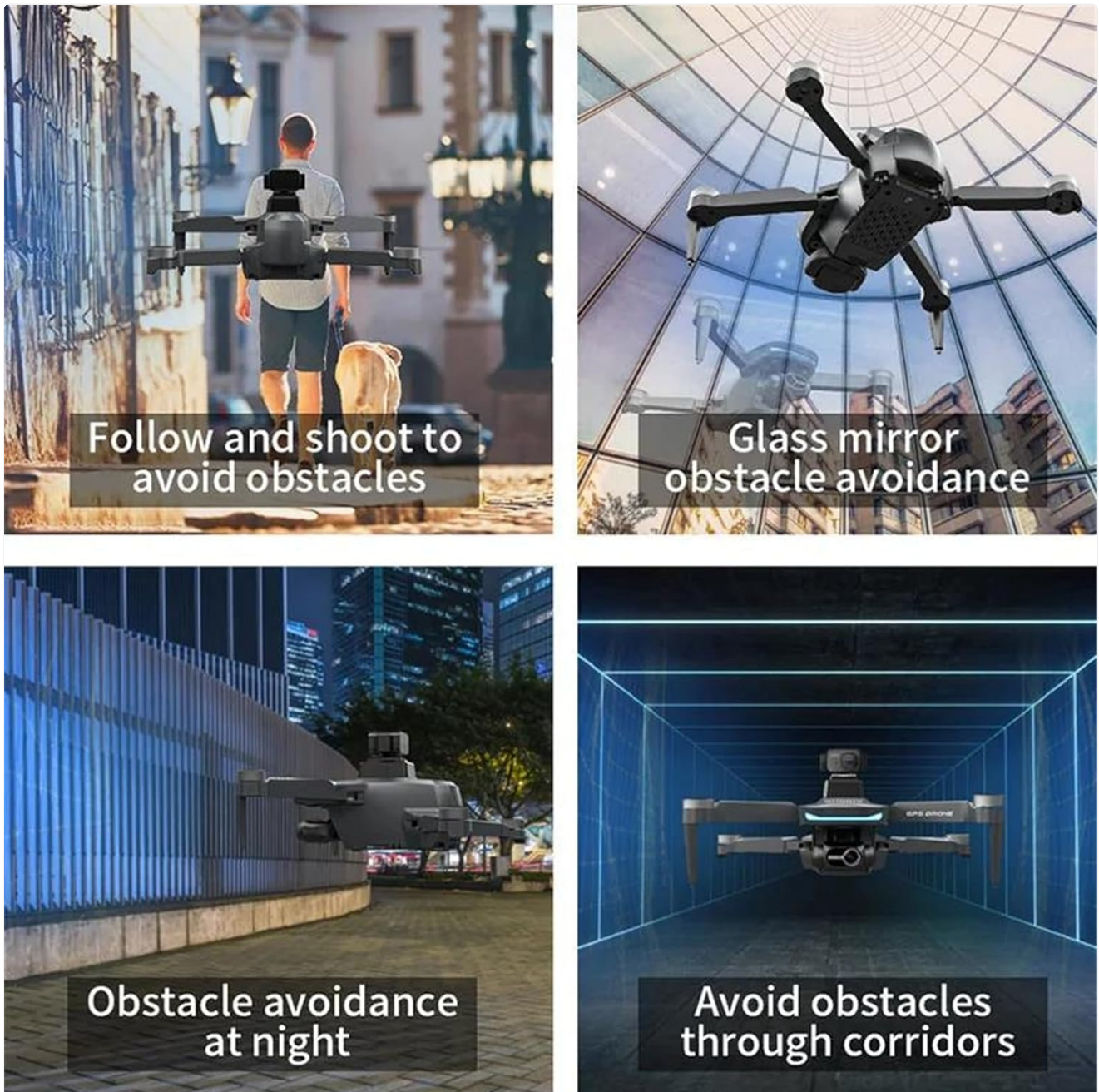


Figure 4.4: Obstacle Avoidance Scenarios. This image demonstrates the drone's ability to follow and shoot while avoiding obstacles, navigate around glass mirrors, perform obstacle avoidance at night, and pass through corridors.

4.5 Camera and Image Transmission

The drone is equipped with a 4K HD wide-angle camera, adjustable by the controller. It supports 5G real-time high-definition image transmission, allowing you to view live footage on your mobile device.

5G real-time high-definition image transmission

【Excellent image transmission system】

The high-definition 5G image transmission technology is amazing.

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.

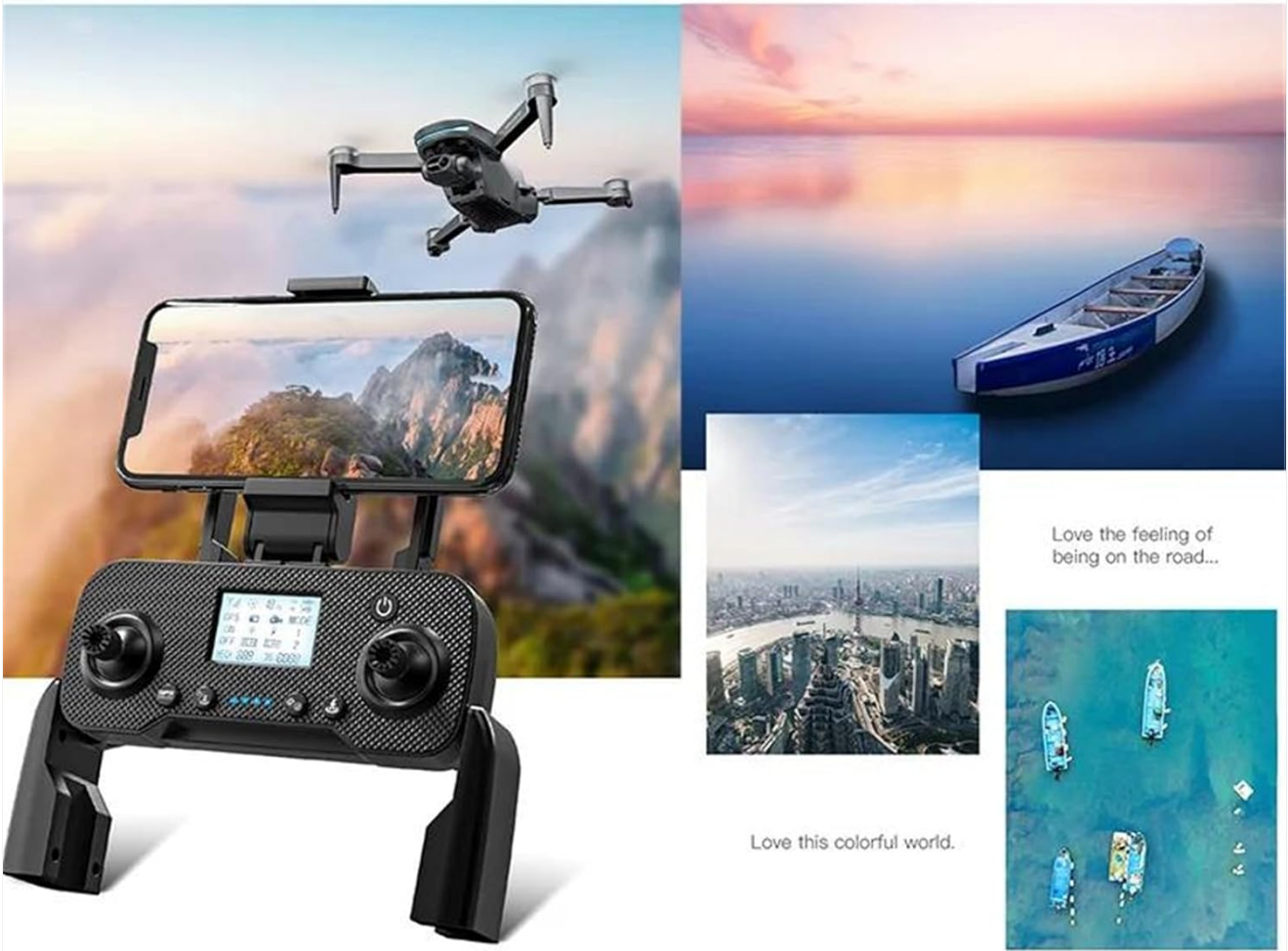


Figure 4.5: 5G Real-time Image Transmission. This image shows the remote control with a smartphone attached, displaying the live 5G high-definition image transmission from the drone, alongside examples of high-quality aerial footage.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone body, camera lens, and remote control. Avoid using liquids or solvents.
- **Propellers:** Regularly inspect propellers for cracks, bends, or damage. Replace any damaged propellers immediately using the provided spare parts.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. If storing for extended periods, charge batteries to approximately 50-60% capacity.
- **Storage:** When not in use, store the drone and its components in a protective case or bag, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Drone does not power on	Low or uncharged battery; Battery not properly installed	Charge the drone battery; Ensure battery is securely inserted
Drone cannot connect to remote control/app	Incorrect pairing; Wi-Fi not connected; Interference	Re-pair drone and remote; Connect to drone's Wi-Fi; Move to an area with less interference
Unstable flight/Drifting	Improper calibration; Strong winds; Damaged propellers	Perform gyroscope and compass calibration; Fly in calm conditions; Replace damaged propellers
No image transmission	Wi-Fi not connected; App error; Out of range	Ensure mobile device is connected to drone's Wi-Fi; Restart app and drone; Fly within transmission range
GPS signal weak or unavailable	Flying indoors; Obstructions (buildings, trees); Magnetic interference	Fly in an open outdoor area; Avoid areas with tall structures or strong magnetic fields

7. SPECIFICATIONS

Feature	Detail
Model Name	L200 PRO MAX
Manufacturer	FINOTI
Camera	4K HD, ESC adjustable, 90° adjustable by controller
Gimbal	2-axis mechanical anti-shake
Obstacle Avoidance	360° Laser (optional), detects obstacles within 20 meters
Battery	7.4V/1600mAh intelligent lithium battery
Flight Time	Up to 25 minutes
GPS Features	One-click return, low battery return, no signal return, intelligent tracking, route planning, fixed point surround
Image Transmission	5G HD real-time
Design	Foldable arm, portable

8. SAFETY GUIDELINES

- Always fly in open areas, away from people, animals, buildings, and power lines.
- Maintain visual line of sight with the drone at all times.
- Do not fly in strong winds, rain, snow, or other adverse weather conditions.
- Respect local regulations and airspace restrictions. Check with local authorities for any drone flight requirements.

- Ensure the drone is properly calibrated before each flight.
- Never operate the drone under the influence of alcohol or drugs.
- Keep fingers and loose clothing away from rotating propellers.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact FINOTI customer service through the retailer where the product was purchased. Keep your proof of purchase for warranty claims.