

FINOTI V168 Pro Max Drone

FINOTI V168 Pro Max GPS Drone User Manual

Model: V168 Pro Max (TRIPLEBATTERY-66571281)

1. INTRODUCTION

Welcome to the user manual for your FINOTI V168 Pro Max GPS Drone. This professional foldable quadcopter is equipped with an 8K HD camera, FPV (First Person View) capabilities, 5G WiFi connectivity, and powerful brushless motors. Designed with obstacle avoidance and GPS positioning, it offers a stable and enjoyable flight experience for users of all skill levels, from beginners to experts. Please read this manual thoroughly before operating your drone to ensure safe and optimal performance.

2. SAFETY INFORMATION

WARNING: Keep away from naked flame or direct heat sources.

Operating a drone requires responsibility and adherence to safety guidelines. Please observe the following:

- **Pre-Flight Check:** Always inspect the drone, propellers, and battery before each flight. Ensure all components are securely attached and undamaged.
- **Flight Environment:** Fly in open areas, away from people, animals, buildings, and power lines. Avoid flying in strong winds (anti-wind ability level 2) or adverse weather conditions.
- **Battery Safety:** Use only the provided charger and batteries. Do not overcharge or puncture batteries. Store batteries in a cool, dry place.
- **Maintain Line of Sight:** Always keep the drone within your visual line of sight during flight.
- **Respect Privacy:** Be mindful of privacy laws and regulations when using the camera.
- **Age Recommendation:** This product is recommended for ages 14+.

3. PACKAGE CONTENTS

Upon opening the original box, you should find the following items:

- V168 Pro Max GPS Drone
- Remote Controller with integrated screen
- Lithium Batteries (Triple Battery variant includes three batteries)
- USB Charging Cable
- Operating Instructions Manual (this document)

4. PRODUCT OVERVIEW & COMPONENTS

The V168 Pro Max drone features a compact, foldable design for easy portability. Its robust construction includes brushless motors for stable flight and a high-definition camera for aerial photography and videography.

4.1 Drone Overview



Image: The FINOTI V168 Pro Max drone in its folded state, alongside its remote controller.

The drone is equipped with a fixed 8K HD camera, obstacle avoidance sensors, and GPS modules. The foldable arms make it convenient for storage and transport.

4.2 Remote Controller Overview

Remote Control Guide



Image: A detailed guide to the V168 Pro Max remote control, showing the LCD screen, joysticks, and various function buttons with their labels.

The remote controller features a 4.5-inch high-definition screen for real-time FPV viewing. It operates in Mode 2, with dedicated joysticks for throttle/yaw and pitch/roll control, along with buttons for various functions such as GPS switch, speed adjustment, obstacle avoidance, and camera controls.

The remote control supports three video transmission modes: direct screen display, HD digital video via data cable connection to a mobile phone, and mobile phone image transmission via WiFi connection.

Upgrade remote control with screen (3 video transmission modes)

4.5-inch high-definition large screen, smooth viewing



Comes with a screen ^[1]
image transmission

HD digital video ^[2]
transmission
(Data cable connection)

Mobile phone image ^[3]
transmission
(Wifi connection)

Image: Illustration of the three video transmission options for the remote control, including the integrated screen, data cable connection to a smartphone, and WiFi connection to a smartphone.

5. SETUP GUIDE

5.1 Charging the Batteries

Ensure both the drone battery and the remote control are fully charged before use.

- **Drone Battery:** Connect the drone battery to the provided USB charging cable and plug it into a suitable USB power source (e.g., computer USB port, USB wall adapter). The charging indicator will show the charging status. A full charge provides approximately 20-30 minutes of flight time.
- **Remote Control:** The remote control features a Type-C charging port. Connect it to a USB power source using a Type-C cable.

Optical flow visual hover
Increased stability and easy control



Brushless strong power



Type-C charging remote control
Easy to upgrade and use



Image: Visual representation of the drone's optical flow hovering capability, the powerful brushless motor, and the convenient Type-C charging port on the remote control.

5.2 Battery Installation (Drone)

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

5.3 Unfolding the Drone

Gently unfold the drone arms until they are fully extended and locked into position. Ensure all propellers are clear and unobstructed.

5.4 App Download and Connection

To utilize the FPV and advanced features, download the official FINOTI drone application on your smartphone. Connect your phone to the drone's 5G WiFi network (SSID usually starts with 'V168' or similar) as instructed in the app or on the

6. OPERATING INSTRUCTIONS

6.1 Pre-Flight Checklist

- Drone and remote control batteries are fully charged.
- Propellers are securely attached and undamaged.
- Flight area is clear of obstacles and people.
- GPS signal is acquired (if flying outdoors).

6.2 Powering On/Off

- **Power On:** Press and hold the power button on the drone until the indicator lights turn on. Power on the remote control.
- **Pairing:** Follow the on-screen instructions on the remote control or app to pair the drone and remote.
- **Power Off:** Power off the drone first, then the remote control.

6.3 Takeoff and Landing

Refer to the remote control guide (Section 4.2) for specific button functions.

- **Automatic Takeoff/Landing:** Press the dedicated takeoff/landing button for one-key operation.
- **Manual Takeoff:** Push both joysticks to the bottom-outer corners to arm the motors, then slowly push the left joystick (throttle) upwards to ascend.

6.4 Flight Modes and Features

V168 PRO MAX

8K-GPS brushless obstacle avoidance



► 5G remote control with screen

4.5-inch large screen HD fast transmission

► 8K HD Camera

Dual camera switching for higher image quality and shooting experience



NEW

Image: The V168 Pro Max drone in flight, showcasing its key features including 8K-GPS brushless obstacle avoidance, the 5G remote control with an integrated screen, and the 8K HD camera.

v168 Max

System

GPS return

Performance

Obstacle avoidance
/brushless

Dual camera
HD pixels



5G remote control
with screen



Remote control
camera



GPS return



Low battery/over
distance return



Micro film



Intelligent Follow



5G high-definition
image transmission



50x zoom



Gesture
photography



3000 meter
flight



Surround
shooting



Custom
waypoint



Optical flow
positioning hovering



28 minute
range



Brushless wind
resistance



Image: An infographic detailing the V168 Max drone's capabilities such as GPS return, obstacle avoidance, brushless motors, dual camera, 5G remote control, 50x zoom, 3000-meter flight range, and 28-minute flight duration.

- **GPS Positioning:** For stable outdoor flight and precise hovering. Enables features like GPS Return-to-Home.
- **Obstacle Avoidance:** Intelligent perception sensors help the drone detect and avoid obstacles, enhancing safety during flight.
- **Optical Flow Visual Hover:** Provides increased stability and easy control, especially useful for indoor flight or when GPS signal is weak.
- **Intelligent Follow:** The drone can automatically follow a designated subject.
- **Custom Waypoint:** Plan a flight path by setting multiple waypoints on the map within the app.
- **Speed Adjustment:** Switch between different speed modes (e.g., beginner, intermediate, expert) using the remote control.

Six Reasons

8K level electric condenser

Flagship performance, achieving exciting masterpieces



Intelligent perception obstacle avoidance



Global satellite positioning Guardian flight



Image: A visual breakdown of key drone advantages, including its 8K camera quality, advanced obstacle avoidance system, and reliable GPS for stable flight.

6.5 Camera Functions

The V168 Pro Max is equipped with an 8K HD camera capable of capturing stunning photos and 1080p FHD video. The FPV feed allows for real-time viewing of your flight.

- **Photo/Video Capture:** Use the dedicated buttons on the remote control or the app interface to start/stop recording video or take photos.
- **50x Zoom:** Utilize the digital zoom feature for closer shots.
- **Gesture Photography:** Perform specific hand gestures to trigger photo or video capture (refer to app instructions for details).
- **Multiple Shooting Angles:** The drone supports various creative shooting perspectives, including head-up, overhead, and squint shooting.

Shooting from multiple angles, Greater creative space.



▶ Head up shooting



▶ Overhead shooting



▶ Squint shooting

Image: Demonstrations of diverse photographic perspectives achievable with the drone, such as capturing subjects from above (overhead), looking upwards (head up), and at an angle (squint shooting).

7. MAINTENANCE

Proper maintenance ensures the longevity and performance of your drone.

- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using harsh chemicals.
- **Propeller Inspection:** Regularly check propellers for cracks, bends, or damage. Replace any damaged propellers immediately.
- **Battery Care:** Store batteries in a cool, dry place. Do not leave batteries fully charged or fully discharged for extended periods. Charge them to about 50% for long-term storage.
- **Storage:** When not in use, store the drone in its original packaging or a protective case to prevent damage.

8. TROUBLESHOOTING

If you encounter issues with your V168 Pro Max drone, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drone does not power on.	Low battery; Battery not installed correctly.	Charge the drone battery; Reinstall the battery securely.
Drone cannot connect to remote control/app.	Incorrect pairing procedure; WiFi interference.	Follow pairing instructions carefully; Move to an area with less interference; Restart both drone and remote.
Unstable flight/Drifting.	Improper calibration; Strong winds; Damaged propellers.	Perform gyroscope calibration; Avoid flying in strong winds; Replace damaged propellers.
Poor image/video quality.	Dirty camera lens; Poor lighting; WiFi interference.	Clean the camera lens; Fly in well-lit conditions; Ensure strong WiFi connection.
Obstacle avoidance not working.	Sensors obstructed/dirty; Feature not activated.	Clean sensors; Ensure obstacle avoidance is enabled in settings.

9. SPECIFICATIONS

Feature	Detail
Brand	FINOTI
Model Name	V168 Pro Max
Item Model Number	TRIPLEBATTERY-66571281
Drone Weight	230g
Takeoff Weight	230g
Remote Distance	3000M
Flight Time	20~30 minutes
Anti-wind Ability	Level 2
Video Capture Resolution	1080p FHD
Camera Mount Type	Fixed Camera Mount
Camera Features	8K HD Photo, FPV 5G WiFi
Motor Type	Brushless Motor
Control Channels	4 channels
Controller Battery	500MAH

Feature	Detail
Controller Mode	MODE2
Material	Plastic, Metal
Indoor/Outdoor Use	Indoor-Outdoor
State of Assembly	Ready-to-Go
Origin	Mainland China

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the product packaging or contact FINOTI customer service through the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.

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