Potensic D68

Potensic D68 Drone Instruction Manual

Model: D68 | Brand: Potensic

INTRODUCTION

The Potensic D68 is a high-performance GPS FPV quadcopter designed for adults, featuring a 4K FHD camera, brushless motors, and advanced flight modes. This manual provides essential information for safe and effective operation, maintenance, and troubleshooting of your D68 drone.

SETUP

1. Unboxing and Component Identification

Carefully unpack all components from the carrying case. Ensure all items listed below are present:

- Potensic D68 Drone
- Remote Controller
- Intelligent Flight Battery
- USB Charging Cable
- Spare Propellers
- User Manual
- Carrying Case

Image: The Potensic D68 drone, remote controller, battery, charging cable, spare propellers, and user manual are neatly arranged within a silver carrying case.

2. Battery Charging and Installation

Charge the intelligent flight battery using the provided USB charging cable until fully charged. Insert the charged battery securely into the drone's battery compartment. Ensure it clicks into place.

Image: A detailed view highlighting the drone's brushless motor and the intelligent battery, indicating its 25-minute flight capability.

3. Propeller Installation

Attach the propellers according to the markings on the drone arms and propellers. Ensure they are firmly secured to prevent detachment during flight.

4. Remote Controller and App Connection

Power on the remote controller and the drone. Connect your smartphone to the drone's Wi-Fi network (5Ghz Wi-Fi capability required for optimal FPV). Launch the Potensic flight app and follow the on-screen instructions to establish a connection.

5. Calibration

Perform compass and gyroscope calibration as instructed by the app or manual. This is crucial for stable flight and accurate GPS positioning. Ensure calibration is completed in an open area away from magnetic interference.

OPERATING THE DRONE

1. Basic Flight Controls

Familiarize yourself with the remote controller's joysticks and buttons. Practice basic maneuvers like takeoff, landing, hovering, and directional flight in an open, safe environment.

2. GPS Functions

The D68 drone is equipped with advanced GPS features for enhanced flight experience:

- **Return to Home (RTH):** Automatically brings the drone back to its takeoff point in case of low battery, signal loss, or manual activation.
- **Follow Me:** The drone will automatically follow the remote controller or connected smartphone.
- **Point of Interest:** The drone will orbit around a designated point.
- **Waypoints:** Plan a custom flight path by setting multiple waypoints on the map.

Image: The Potensic D68 drone is shown returning to a designated home point, illustrating its GPS Auto-Return Home feature for signal loss, low power, or one-key return.

Image: The drone is depicted utilizing its Custom Smart Flight Control features, including Follow Me, Waypoint Flight, and Orbit Flight, demonstrated with a remote control car.

3. Camera Operation

The 4K FHD camera offers a 90° tilt angle for versatile aerial photography and videography. Control camera functions (photo/video capture, tilt) directly from the remote controller or the flight app.
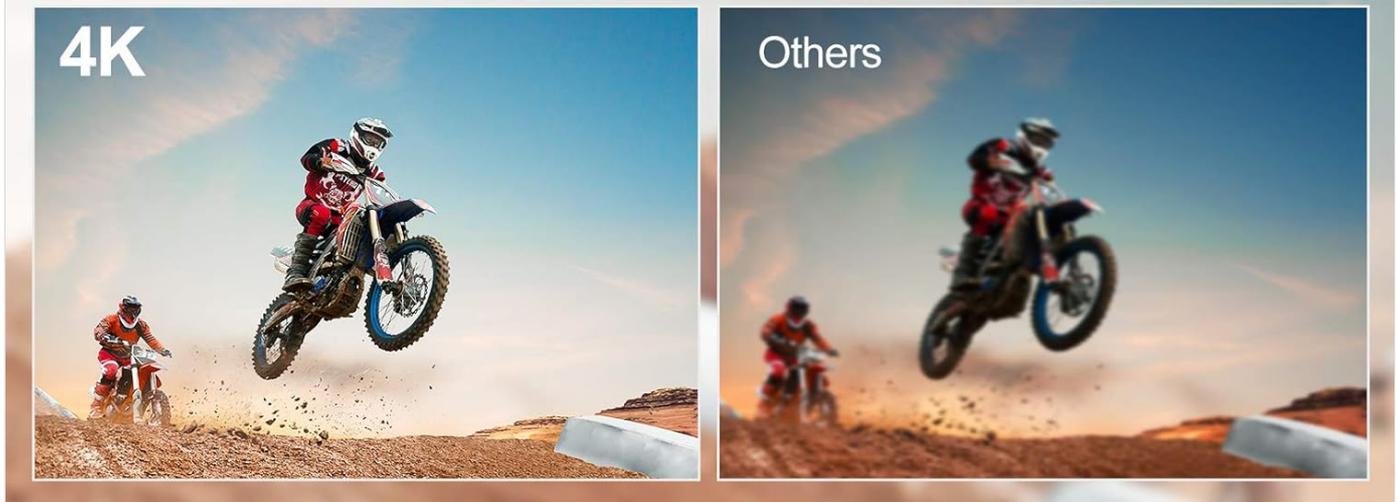
Image: A close-up of the Potensic D68 drone's 4K FHD camera, highlighting its 90-degree tilt angle and 5G Wi-Fi transmission capability.

4. Optical Flow Positioning

For stable indoor flight or when GPS signal is weak, the Optical Flow Positioning system helps the drone maintain its position and hover accurately.

OPTICAL FLOW POSITIONING

It helps the drone achieve precise location and position hold,
which ensures a stable flight

Image: The drone is shown utilizing its Optical Flow Positioning system, which helps achieve precise location and position hold for stable flight.

5. Speed Settings

The D68 offers three speed settings to accommodate different skill levels and flight conditions. Start with lower speeds for beginners and gradually increase as you gain experience.

MAINTENANCE

1. Battery Care

Always use the original charger and cable. Do not overcharge or over-discharge the battery. Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. Disconnect the battery from the drone when not in use.

2. Propeller Inspection and Replacement

Regularly inspect propellers for any signs of damage (cracks, bends). Replace damaged propellers immediately using the provided spare parts to ensure safe and stable flight.

3. Cleaning

Clean the drone's body and camera lens with a soft, dry cloth. Avoid using harsh chemicals or solvents that could damage the components.

TROUBLESHOOTING

1. Connection Issues

If the drone fails to connect to the remote controller or app, ensure both devices are fully charged and within range. Restart both the drone and controller. Check your smartphone's Wi-Fi settings to ensure it's connected to the drone's network.

2. Unstable Flight

If the drone exhibits unstable flight, perform a full calibration (compass and gyroscope). Ensure propellers are correctly installed and undamaged. Fly in an open area away from obstacles and strong winds.

3. GPS Signal Loss

If GPS signal is lost, the drone may switch to Optical Flow Positioning. Fly in an open outdoor area with a clear view of the sky to re-establish GPS lock. The Return to Home function will activate if signal is lost beyond a certain distance.

SPECIFICATIONS

Feature	Detail
Brand	Potensic
Model Name	D68
Age Range (Description)	Adult
Video Capture Resolution	4K
Connectivity Technology	Wi-Fi
Included Components	Battery, Carrying Case
Battery Capacity	2600 Milliamp Hours
Video Capture Format	4k
Remote Control Technology	WiFi
Control Type	App Control
Material	Aluminum
Wireless Communication Technology	Wi Fi
Battery Cell Composition	Lithium
Supported Image Format	JPEG
Optical Sensor Technology	CMOS
Rechargeable Battery Included	Yes
Product Dimensions	6.8"L x 3.6"W x 2.7"H

Item Weight	3.89 pounds

WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your Potensic D68 drone, please refer to the official Potensic website or contact the seller directly. Keep your purchase receipt as proof of purchase for warranty claims.

Item Weight	3.89 pounds

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