Potensic US-D80

Potensic D80 GPS Drone User Manual

Model: US-D80 | Brand: Potensic

Introduction

This manual provides detailed instructions for the safe operation, setup, and maintenance of your Potensic D80 GPS Drone. The D80 is equipped with powerful brushless motors, a 2K FHD camera with 5G WiFi transmission, and advanced GPS features like Auto Return Home and Follow Me mode, designed for an enhanced flight experience.



Image: The Potensic D80 GPS Drone in silver, accompanied by its black remote controller with a smartphone mounted, ready for flight.

What's in the Box

Verify that all components are present before proceeding with setup.

- Potensic D80 GPS Drone
- Remote Controller
- 1800mAh Lithium Ion Battery (1 included, additional may be purchased separately)
- Propellers (4 installed, 4 spare)
- Battery Charger
- USB Charging Cable
- Screwdriver
- Propeller Wrench
- Aluminum Carrying Case



Image: All components of the Potensic D80 drone package laid out, including the drone, remote, battery, spare propellers, charger, and small tools.

Setup Guide

1. Battery Charging and Installation

1. Connect the drone battery to the provided charger and plug it into a power source. Ensure the battery is fully charged before first use.
2. Once charged, carefully insert the battery into the drone's designated compartment until it clicks securely into place.

2. Remote Controller Preparation

1. Install the required batteries (not specified in input, assuming standard AA/AAA) into the remote controller.
2. Extend the phone holder on the remote controller and securely mount your smartphone.

3. App Installation and Connection

1. Download and install the 'Potensic-M2' app from your device's app store.
2. Power on the drone and the remote controller.
3. On your smartphone, connect to the drone's 5G WiFi network (usually named 'Potensic_D80_XXXXXX').
4. Open the 'Potensic-M2' app and follow the on-screen prompts to establish a connection with the drone.

Your browser does not support the video tag.

Video: A tutorial demonstrating how to use the 'Potensic-M2' app with the Potensic D80 drone, including interface parameters and settings.

Operating Instructions

Pre-Flight Checklist

- Ensure drone and remote batteries are fully charged.
- Check that propellers are securely attached and undamaged.
- Perform compass calibration as instructed by the app or manual before each flight.
- Ensure you are in an open area, free from obstacles, crowds, and strong electromagnetic interference.

Basic Flight Controls

The Potensic D80 utilizes a dual GPS system for stable flight and accurate positioning. Familiarize yourself with the remote controller and app interface for precise control.

- **Take-off/Landing:** Use the dedicated button on the remote or app for automated take-off and landing.
- **Altitude Hold:** The drone maintains a stable altitude automatically.
- **Auto Return Home (RTH):** The drone will automatically return to its take-off point if the battery is low, signal is lost, or the RTH button is pressed.



Image: The Potensic D80 drone flying, with an illustration showing its path returning to a designated home point, highlighting the Dual GPS Auto-Return Home function.

Advanced Flight Features

- **Follow Me Mode:** The drone will automatically follow the remote controller or connected smartphone, capturing dynamic footage of your activities.



Image: The Potensic D80 drone flying above a person on a bicycle, illustrating the 'Follow Me' feature.

- **Custom Flight Path:** Draw a desired flight path on the app's map interface, and the drone will fly along the specified route.
- **Orbit Mode:** Set a point of interest, and the drone will circle around it at a specified radius and altitude, ideal for cinematic shots.



Image: The Potensic D80 drone flying over a landscape, with illustrations showing a customizable flight path and an orbit around a central point.

Camera Operation

The 2K FHD camera provides high-quality aerial photography and videography with 5G WiFi transmission for real-time FPV (First Person View).



Image: A close-up of the Potensic D80 drone's camera, highlighting its 2K HD resolution, 120-degree field of view, and 5G WiFi transmission capabilities, with a smartphone displaying the live feed.

- **Photo/Video Capture:** Use the dedicated buttons on the remote or within the app to take photos or start/stop video recording.
- **FPV View:** The app displays a real-time video feed from the drone's camera, allowing for immersive flight.
- **SD Card:** A 16/32 GB SD card (not included) is required for 2K content recording.

Maintenance

- **Cleaning:** Wipe the drone and remote with a soft, dry cloth after each use. Avoid using harsh chemicals.
- **Propeller Inspection:** Regularly check propellers for cracks, bends, or damage. Replace damaged propellers immediately using the provided spares and wrench.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. If storing for extended periods, charge to approximately 50%.
- **Storage:** Store the drone and all accessories in the aluminum carrying case to protect them from dust and physical damage.

Troubleshooting

Issue	Possible Cause	Solution
Drone does not power on	Low battery; improperly installed battery	Charge battery fully; ensure battery is securely installed.
Unstable flight	Improper calibration; strong wind; damaged propellers	Perform compass calibration; fly in calm conditions; replace damaged propellers.
No FPV feed in app	WiFi not connected; app not launched correctly	Ensure phone is connected to drone's 5G WiFi; restart app and drone.
Drone does not respond to remote	Not paired; low remote battery	Follow pairing instructions; replace remote batteries.

Specifications

Feature	Detail
Brand	Potensic
Model Name	wurenji (US-D80)
Special Features	Powerful brushless motors, 5G WiFi 2K HD FPV Camera, Dual GPS Pinpoint Positioning, High-speed flight capability
Age Range	Adult
Video Capture Resolution	1080p (2K content requires SD card)
Effective Still Resolution	25 MP
Connectivity Technology	Wi-Fi
Skill Level	Beginner
Battery Capacity	1800 Milliamp Hours
Control Type	App Control
Media Type	SD
Maximum Range	800 Meters
Material	Aluminum
Item Weight	5.48 pounds
Product Dimensions	16.9 x 5.5 x 11.6 inches

Warranty and Support

Potensic provides a 12-month hassle-free warranty to ensure the enjoyment of your purchase. For detailed warranty information, technical support, or service inquiries, please refer to the official Potensic website or contact their customer service directly.
For a complete and detailed user guide, please download the official PDF manual:Download Full User Manual (PDF)

© 2025 Potensic. All rights reserved. Information in this manual is subject to change without notice.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question