

## Potensic D58

# Potensic D58 GPS Drone with 2K FHD Camera Instruction Manual

Model: D58

## 1. INTRODUCTION AND OVERVIEW

The Potensic D58 GPS Drone is a high-performance quadcopter designed for both beginners and experienced pilots. It features a 2K FHD camera with 5G WiFi live transmission, GPS-assisted flight modes, and a robust design for stable operation. This manual provides essential information for safe and effective use of your D58 drone.

Key features include:

- **18-Minute Flight Time:** Equipped with a 7.4V high-capacity battery for extended flight sessions.
- **2K Camera & 5GHz WiFi Transmission:** Capture clear images and videos with a 120° wide-angle HD camera and enjoy real-time FPV. The camera lens is 90° adjustable.
- **GPS Assisted Flight:** Features "Follow Me" mode to track your movement and "Orbit Mode" for circular flight paths.
- **Safe Assured Flight:** Automatic return functions for low battery, lost signal, or out-of-range situations.
- **Three Speed Modes:** Adjustable speed settings (low/medium/high) to suit different skill levels.



Image: The Potensic D58 drone in flight, with an overlay indicating an 18-minute flight time and a graph comparing its endurance to other drones.

## 2. PACKAGE CONTENTS

Upon opening your Potensic D58 drone package, please verify that all components are present:

- Potensic D58 GPS Drone
- Remote Control
- 7.4V High Capacity Battery
- USB Charging Cable
- Spare Propellers
- Screwdriver
- User Manual

## 3. SETUP GUIDE

### 3.1 Battery Installation and Charging

1. **\*\*Charge the Drone Battery:\*\*** Connect the drone's 7.4V battery to the USB charging cable and plug it into a suitable USB power source. Ensure the battery is fully charged before first use (charging time may vary).
2. **\*\*Install Drone Battery:\*\*** Insert the fully charged battery into the drone's battery compartment until it clicks securely into place.
3. **\*\*Install Remote Control Batteries:\*\*** Open the battery compartment on the remote control and insert the required batteries (typically AA, not always included).

### 3.2 Propeller Attachment

The D58 drone comes with pre-attached propellers. If replacement is necessary, ensure you attach them correctly according to the markings (A and B) on the propellers and motor arms. Use the provided screwdriver for secure attachment.

### 3.3 Connecting to the App (Potensic-GPS)

1. Download the "Potensic-GPS" app from your smartphone's app store.
2. Power on the drone and the remote control.
3. On your smartphone, connect to the drone's 5G WiFi network (usually named "Potensic\_XXXXXX").
4. Open the Potensic-GPS app. The app should automatically connect to the drone, displaying the live camera feed.

## 4. OPERATING INSTRUCTIONS

### 4.1 Pre-Flight Checklist

- Ensure drone and remote control batteries are fully charged.
- Check propellers for any damage and ensure they are securely attached.
- Select an open, clear area for flight, away from obstacles, people, and animals.
- Verify GPS signal strength on the remote control and app before takeoff.

### 4.2 Takeoff and Landing

1. **\*\*Power On:\*\*** Turn on the drone, then the remote control.
2. **\*\*Pairing:\*\*** The drone and remote control should automatically pair.
3. **\*\*Calibration:\*\*** Follow the app's instructions to calibrate the compass and gyroscope. This is crucial for stable flight.
4. **\*\*GPS Lock:\*\*** Wait for the drone to acquire sufficient GPS satellites (indicated by solid green lights or app status).
5. **\*\*One-Key Takeoff:\*\*** Press the one-key takeoff button on the remote control or in the app. The drone will automatically ascend to a safe height.
6. **\*\*Manual Takeoff:\*\*** Push both joysticks down and outwards to start the motors, then push the left joystick up to ascend.
7. **\*\*Landing:\*\*** Press the one-key landing button, or slowly pull the left joystick down to descend.

### 4.3 Flight Modes and Features

- **GPS Mode:** Provides stable hovering and precise positioning. Essential for advanced features.
- **Follow Me Mode:** The drone will automatically follow the GPS signal from your smartphone, capturing your activities.



Image: The Potensic D58 drone utilizing its Follow Me function, tracking a person waterskiing, demonstrating its ability to capture dynamic footage.

- **Orbit Mode:** The drone will fly in a circular path around a designated point of interest.
- **Custom Flight Path:** Draw a desired flight path on the app's map, and the drone will follow it automatically.





Image: An aerial view of the Potensic D58 drone flying along a customized path, with a smartphone screen showing the flight route drawn on the app.

- **Auto Return:** The drone will automatically return to its takeoff point if the battery is low, signal is lost, or it flies out of range. This can also be activated manually with a single button press.

# DUAL GPS

## AUTOMATICALLY RETURN HOME






-  Low Battery Automatically Return
-  Out of Range Automatically Return
-  Remote Power-off Automatically Return

Image: The Potensic D58 drone initiating an automatic return to home, depicted by a dotted line leading back to a marked 'H' on a cliff edge.

- **2K FHD Camera:** Record high-definition videos and capture clear photos. The 90° adjustable lens allows for versatile shooting angles.



## 2K FPV CAMERA

HD FPV 120°FOV view along with 90° adjustable angle camera



2K / 120° FOV

1080P



Image: A close-up of the Potensic D58 drone's 2K FPV camera, illustrating its 120-degree field of view and 90-degree adjustable lens for flexible recording.

- **5G WiFi Live Transmission:** Experience real-time video feed on your smartphone with minimal latency.



Image: A split image showing the clarity of 5G WiFi real-time image transmission from the Potensic D58 drone compared to 2.4G WiFi, with a person on a motorcycle in the foreground.

## 5. MAINTENANCE

- **Propeller Inspection:** Regularly check propellers for cracks, bends, or debris. Replace damaged propellers immediately.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. If not used for extended periods, charge them to about 50-60%.
- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using harsh chemicals.
- **Motor Check:** Ensure motors are free from dust and obstructions.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------



Problem	Possible Cause	Solution
Drone does not respond to remote control.	Not paired, low battery, interference.	Ensure proper pairing sequence. Charge batteries. Fly in an open area away from strong signals.
Unstable flight/Drifting.	Improper calibration, windy conditions, damaged propellers.	Recalibrate the compass and gyroscope. Avoid flying in strong winds. Replace damaged propellers.
No FPV video feed.	Not connected to drone's WiFi, app issue, weak signal.	Verify phone is connected to the drone's 5G WiFi. Restart app/drone. Ensure drone is within WiFi range.
Drone does not return home.	Insufficient GPS signal, low battery (too low for RTH).	Ensure strong GPS signal before takeoff. Monitor battery level.

## 7. SPECIFICATIONS

- **Brand:** Potensic
- **Model Name:** D58
- **Color:** Black
- **Video Capture Resolution:** 1080p (Note: Product title indicates 2K FHD, but specifications list 1080p)
- **Connectivity Technology:** Wi-Fi (5Ghz)
- **Included Components:** Battery, Remote Control
- **Skill Level:** Beginner
- **Video Capture Format:** MP4
- **Control Type:** Remote Control
- **Maximum Range:** 500 Meters
- **Material:** Plastic
- **Battery Cell Composition:** Lithium Ion
- **Batteries Required:** 1 Lithium Ion battery (included)
- **Item Weight:** 2.33 pounds
- **Manufacturer Recommended Age:** 14 years and up
- **UPC:** 657390444114

## 8. WARRANTY AND SUPPORT

Potensic offers a standard 12-month warranty for the D58 drone. You can extend this warranty to 24 months by registering your product through the VIP membership program. For detailed information on warranty terms, product registration, or technical support, please refer to the official Potensic website or contact their customer service. For further assistance, you may also refer to the following official video:

Your browser does not support the video tag.

Video: An official video from Potensic demonstrating the D58 Drone with its 1080P camera and 18-minute flight time, providing an overview of its capabilities.

