Potensic B077QS52BN

Potensic HD Camera Drone

User Manual

Potensic

Potensic: Explore the world without limits.

1. Introduction

Thank you for choosing the Potensic HD Camera Drone. This drone is designed for ease of use, featuring one-button takeoff and landing, Headless Mode for simplified control, and Altitude Hold for stable hovering. Equipped with a 720P camera and a 120-degree super wide-angle lens, it allows you to capture stunning aerial footage. Please read this manual thoroughly before operating the drone to ensure safe and optimal performance.



Image: Potensic drone in flight above a mountainous lake, illustrating its aerial capabilities.

2. Safety Information

Operating a drone requires responsibility. Adhere to the following safety guidelines:

- **Read the Manual:** Understand all instructions and warnings before use.
- **Age Restriction:** Not suitable for children under 14 years old. Adult supervision is recommended for all users.
- **Flight Environment:** Fly in open, clear areas, away from people, animals, buildings, and power lines. Avoid flying in strong winds or rain.
- **Battery Safety:** Use only the provided charger and battery. Do not overcharge or short-circuit batteries. Discontinue use if batteries are damaged or swollen.
- **Propeller Safety:** Keep hands, face, and loose clothing away from rotating propellers.
- **Line of Sight:** Always maintain visual line of sight with the drone during flight.
- **Local Regulations:** Be aware of and comply with all local laws and regulations regarding drone operation.

3. Package Contents

Verify that all items are present in your package:

- Potensic HD Camera Drone
- Remote Control
- 720P HD Camera
- USB Charging Cable
- Spare Propellers (typically 4)
- Propeller Guards (typically 4)
- Screwdriver
- User Manual (this document)

4. Components Overview

Familiarize yourself with the drone and remote control components.

4.1. Drone Components

- **Propellers:** Provide lift and thrust.
- **Motors:** Drive the propellers.
- **Camera:** Captures photos and videos.
- **Battery Compartment:** Houses the drone battery.
- **LED Indicators:** Show drone status (e.g., power, signal).

4.2. Remote Control Components

- **Left Joystick (Throttle/Yaw):** Controls altitude and rotation.
- **Right Joystick (Direction):** Controls forward/backward and left/right movement.
- **One-Key Takeoff/Landing Button:** Initiates automatic takeoff or landing.
- **Headless Mode Button:** Activates/deactivates Headless Mode.
- **Altitude Hold Button:** Activates/deactivates Altitude Hold.
- **Speed Switch:** Adjusts flight speed (low/medium/high).
- **Photo/Video Button:** Captures photos or starts/stops video recording.
- **Power Button:** Turns the remote control on/off.
- **Battery Indicator:** Shows remote control battery level.

5. Setup

5.1. Charging the Drone Battery

1. Connect the drone battery to the USB charging cable.
2. Plug the USB cable into a USB power adapter (e.g., computer USB port, phone charger).
3. The indicator light on the USB cable will show charging status (e.g., red for charging, off for fully charged).
4. Charging typically takes 60-90 minutes. Do not leave unattended.

5.2. Installing Drone Battery

1. Ensure the drone is powered off.
2. Open the battery compartment on the drone.
3. Insert the fully charged battery into the compartment, ensuring correct polarity.
4. Close the battery compartment securely.

5.3. Installing Remote Control Batteries

1. Open the battery cover on the back of the remote control.
2. Insert 3 x AAA batteries (not included), observing correct polarity (+/-).
3. Close the battery cover.

5.4. Attaching Propellers and Guards

1. Identify propellers marked 'A' and 'B'. Match them to the corresponding motor shafts (usually marked A or B).
2. Gently push the propellers onto the motor shafts until they are secure.
3. Attach the propeller guards to the drone's arms for added protection.

6. Operating Instructions

6.1. Pairing the Drone and Remote Control

1. Place the drone on a flat, level surface.
2. Turn on the drone's power switch. The drone's LED lights will flash.
3. Turn on the remote control.
4. Push the left joystick (throttle) all the way up, then all the way down. The drone's LED lights will stop flashing and become solid, indicating successful pairing.

6.2. One-Key Takeoff and Landing

- **Takeoff:** After pairing, press the One-Key Takeoff/Landing button. The drone will automatically ascend and hover at a certain altitude.
- **Landing:** During flight, press the One-Key Takeoff/Landing button. The drone will automatically descend and land gently.

6.3. Manual Takeoff

1. After pairing, push both joysticks simultaneously to the bottom-left or bottom-right corners (depending on model) to unlock the motors. The propellers will start spinning slowly.
2. Gently push the left joystick (throttle) upwards to ascend.

6.4. Flight Controls

- **Ascend/Descend:** Push the left joystick up/down.
- **Turn Left/Right (Yaw):** Push the left joystick left/right.
- **Forward/Backward:** Push the right joystick up/down.
- **Fly Left/Right (Strafe):** Push the right joystick left/right.

6.5. Special Flight Modes

- **Headless Mode:** Press the Headless Mode button. In this mode, the drone's orientation is relative to the pilot, regardless of the drone's front direction. Press again to exit.
- **Altitude Hold:** This mode is typically active by default after takeoff. The drone maintains a stable altitude without constant throttle input.
- **Speed Switch:** Press the Speed Switch button to cycle through low, medium, and high speeds.

6.6. Camera Operation (720P HD)

- **Take Photo:** Briefly press the Photo/Video button on the remote control.
- **Start/Stop Video:** Press and hold the Photo/Video button for 2 seconds to start recording. Press and hold again to stop.
- Captured media is saved to the drone's memory card (if installed) or transmitted to the connected app (if applicable).

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Do not use harsh chemicals or solvents.
- **Propeller Inspection:** Regularly check propellers for damage (cracks, bends). Replace damaged propellers immediately.
- **Motor Care:** Keep motors free of dust and debris.
- **Battery Storage:** Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures. For long-term storage, charge batteries to about 50%.
- **General Storage:** Store the drone and accessories in a safe place to prevent damage.

8. Troubleshooting

Problem	Possible Cause	Solution
Drone does not respond to remote.	Not paired; low battery (drone/remote); out of range.	Re-pair drone and remote; charge batteries; fly within range.
Drone drifts during flight.	Not calibrated; uneven surface at takeoff; strong wind.	Calibrate gyroscope (refer to manual for specific steps); take off on a flat surface; avoid windy conditions.
Propellers do not spin.	Motors locked; damaged propellers/motors; low battery.	Unlock motors (joystick command); replace damaged parts; charge battery.
Camera not recording/taking photos.	Memory card full/missing/corrupt; incorrect button press.	Insert/format memory card; ensure correct button press duration.

9. Specifications

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Feature	Detail
Brand	Potensic
Model Number	B077QS52BN
Video Recording Resolution	720p
Connectivity Technology	Radio Frequency
Control Type	Remote Control
Skill Level	Beginner
Material	Plastic
First Available Date	November 25, 2017

10. Warranty and Support

Potensic products come with a standard manufacturer's warranty. For specific warranty details, please refer to the warranty card included in your package or visit the official Potensic website. For technical support, troubleshooting assistance, or spare parts, please contact Potensic customer service through their official channels. Keep your purchase receipt as proof of purchase for warranty claims.

For more information, visit: www.potensic.com

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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