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Potensic T25-HP

Potensic T25 GPS Drone User Manual

Model: T25-HP | Brand: Potensic

Product Overview

The Potensic T25 GPS Drone is a versatile quadcopter designed for both beginners and experienced users, featuring a 2K camera for high-quality aerial photography and videography. It incorporates advanced GPS-assisted flight modes for enhanced stability and ease of use, including automatic return home, altitude hold, and intelligent flight functions like Follow Me and Way-points.

- **2K Camera:** Features a 120° FOV and 75° adjustable wide-angle lens for clear photos and stable videos with fluent FPV transmission via WiFi.
- **GPS Assist Fly:** Includes Follow Me Mode and dual GPS for hands-free operation, automatically tracking the user and capturing moments. Custom Flight Path function allows for pre-planned routes.
- **Beginner-Friendly:** Headless Mode, Altitude Mode, and One Key Take-off/Land functions simplify operation for new pilots.
- **Safe Auto Return:** Dual GPS enables stable hovering and automatic return to home with a single button press, preventing drone loss.
- **Extended Flight:** Comes with two modular 1000 mAh batteries, supporting a control range of up to 300 meters.

Setup

1. Unboxing and Component Identification

Carefully remove all components from the carrying case. Ensure all parts are present:

- Potensic T25 GPS Drone
- Remote Controller
- 2 x Modular 1000 mAh Batteries
- Carrying Case
- Propeller Guards (if included)

- USB Charging Cable
- Spare Propellers

Image: The Potensic T25 GPS Drone, its remote controller, two modular batteries, and the included carrying case.

2. Battery Charging and Installation

Charge both modular 1000 mAh batteries fully before first use. Connect the USB charging cable to the battery and a compatible USB power source. The charging indicator will show progress and completion. Once charged, insert the batteries into their designated slots on the drone and the remote controller.

3. Remote Controller Setup

Install the charged battery into the remote controller. Extend the phone holder on the controller to securely mount your smartphone for FPV viewing and app control.

4. App Installation

Download and install the official Potensic drone application from your smartphone's app store (iOS App Store or Google Play Store). Ensure your phone's Wi-Fi is enabled and connect to the drone's Wi-Fi network (usually named "Potensic_XXXXXX").

Operating Instructions

1. Pre-Flight Checklist

- Ensure drone and controller batteries are fully charged.
- Check that propellers are securely attached and undamaged.
- Select an open, clear area for flight, away from obstacles, people, and restricted airspace.
- Connect your smartphone to the drone's Wi-Fi network and open the Potensic app.
- Calibrate the drone's compass and gyroscope as per the app's instructions.
- Wait for GPS signal acquisition (indicated by solid green lights on the drone).

2. Take-off and Landing

After calibration and GPS lock, press the One Key Take-off button on the controller or within the app. The drone will automatically ascend to a safe hovering altitude. To land, press the One Key Land button, and the drone will descend and land gently. For manual control, use the joysticks to control altitude and direction.

3. Camera Operation

The integrated 2K HD camera provides clear visuals. You can adjust the camera angle by 75 degrees during flight for optimal shots. Use the dedicated buttons on the remote controller or the app interface to capture photos and record videos.

Image: Close-up of the Potensic T25 drone's 2K HD camera, highlighting its 75-degree adjustable angle.

4. GPS-Assisted Flight Modes

- **GPS Return to Home (RTH):** Press the RTH button on the controller, and the drone will automatically return to its take-off point. This feature activates automatically upon low battery or signal loss.

Image: A Potensic T25 drone flying back towards a person, illustrating the GPS Return to Home function.

- **Follow Me Mode:** Activate this mode in the app, and the drone will follow your movements, capturing video and photos automatically.

Image: A Potensic T25 drone hovering above and behind a person, demonstrating the Follow Me flight mode.

- **Way-points Flying:** Use the app to set specific points on a map, and the drone will fly along the customized path.

Image: A Potensic T25 drone flying along a blue path with markers, illustrating the Way-points Flying feature controlled via a smartphone app.

- **FPV Real-Time Transmission:** View live video feed from the drone's camera directly on your smartphone via Wi-Fi.

Image: A Potensic T25 drone flying with a smartphone displaying its real-time FPV transmission, showing a clear view from the drone.

Maintenance

1. Propeller Care

Regularly inspect propellers for any signs of damage (cracks, bends, chips). Replace damaged propellers immediately using the spare parts provided. Ensure they are securely fastened before each flight.

2. Battery Storage

For long-term storage, charge batteries to approximately 50-60% capacity. Store them in a cool, dry place away from direct sunlight and extreme temperatures. Avoid fully discharging batteries before storage.

3. Cleaning

Wipe the drone's body with a soft, dry cloth after each use to remove dust and debris. Avoid using harsh chemicals or solvents. Ensure the camera lens is clean for optimal image quality.

4. Firmware Updates

Periodically check the Potensic app for available firmware updates. Keeping the drone's firmware updated ensures optimal performance, new features, and bug fixes. Follow the in-app instructions carefully for any updates.

Troubleshooting

Common Issues and Solutions:

- **Drone not connecting to controller/app:** Ensure both devices are powered on and fully charged. Restart both the drone and the controller. Re-pair the devices according to the quick start guide. Check Wi-Fi connection on your smartphone.
- **Unstable flight/Drifting:** Perform a full calibration of the drone's gyroscope and compass in an open area away from magnetic interference. Check for any damaged propellers or motors.
- **Poor camera quality/No FPV feed:** Ensure the camera lens is clean. Check the Wi-Fi connection strength between your phone and the drone. Ensure the SD card (if used) is properly inserted and not full.

- **Drone not responding to commands:** Check battery levels of both drone and controller. Ensure they are properly paired. Fly within the specified control range (300 meters).
- **GPS signal issues:** Ensure you are flying in an open outdoor area with a clear view of the sky. Avoid flying near tall buildings or dense trees that may obstruct GPS signals.

If you encounter persistent issues, please refer to the detailed user manual (PDF) or contact Potensic customer support.

Specifications

Feature	Detail
Brand	Potensic
Model Name	T25
Item Model Number	T25-HP
Color	White
Video Capture Resolution	1080p (2K format)
Connectivity Technology	Wi-Fi, USB
Battery Capacity	1000 Milliamp Hours
Maximum Range	300 Meters
Item Weight	4.4 pounds (approx. 2 kg)
Product Dimensions	7.48"L x 7.48"W x 4.3"H
Material	Aluminum, Plastic
UPC	657390326045

Warranty and Support

For detailed warranty information, please refer to the official Potensic website or the documentation included with your product. Potensic is committed to providing high-quality products and responsive customer service.
If you have any questions or require assistance, please contact Potensic customer support. They are dedicated to helping resolve any issues you may encounter.
Additional resources can be found in theUser Manual (PDF).

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