Potensic ATOM LT

Potensic ATOM LT Drone Body Instruction Manual

Model: ATOM LT

Introduction

This manual provides essential instructions for the Potensic ATOM LT Drone Body. This product includes only the drone body; a compatible battery, remote controller, and other accessories are required for operation and are sold separately. Please read this manual thoroughly before using your drone body to ensure proper setup, safe operation, and effective maintenance.

For optimal performance and safety, always use genuine Potensic parts and accessories.

Image 1: Potensic ATOM LT Drone Body. This image displays the main drone body without propellers, battery, or remote controller.

Package Contents

The Potensic ATOM LT Drone Body package typically contains:

- Potensic ATOM LT Drone Body (1 unit)
- User Manual (this document)

Note: This package does **not** include a battery, remote controller, propellers, charging cable, or any other accessories. These items must be acquired separately for the drone to be operational.

Setup

1. Required Components (Sold Separately)

Before proceeding with setup, ensure you have the following compatible components:

- Potensic ATOM LT Intelligent Flight Battery
- Potensic ATOM LT Remote Controller
- Potensic ATOM LT Propellers (4 pieces, plus spares recommended)

- Charging Cable and Adapter for the battery
- Smartphone with the Potensic App installed

2. Attaching Propellers

1. Identify the correct propellers for each motor. Propellers are typically marked (e.g., A or B) and correspond to specific motor arms.
2. Align the propeller with the motor shaft.
3. Press down firmly and twist the propeller in the direction indicated by the drone's manual or markings until it locks securely. Ensure all propellers are firmly attached and can spin freely without obstruction.

3. Installing the Battery

Locate the battery compartment on the drone body. Insert the fully charged Potensic ATOM LT Intelligent Flight Battery into the compartment, ensuring it clicks into place securely. A loose battery can lead to power loss during flight.

4. Linking with Remote Controller

1. Power on the drone by pressing the power button once, then pressing and holding it until the indicator lights illuminate.
2. Power on your Potensic ATOM LT Remote Controller.
3. Follow the linking procedure outlined in your remote controller's manual. This typically involves pressing a linking button on both the drone and the remote, or using the Potensic App.
4. Once linked, the indicator lights on both the drone and remote will show a stable connection (refer to your remote controller manual for specific light patterns).

5. App Connection and Calibration

Connect your smartphone to the remote controller and launch the Potensic App. Perform all necessary calibrations (e.g., compass, IMU) as prompted by the app before your first flight. Ensure GPS signal is strong if flying outdoors.

Operating

1. Pre-Flight Checklist

- Ensure drone body is free from damage.
- Propellers are correctly and securely attached.
- Battery is fully charged and securely installed.
- Remote controller is charged and linked to the drone.
- Potensic App is running, and all calibrations are complete.
- Fly in an open area, away from obstacles, people, and restricted airspace.
- Check local regulations for drone operation.

2. Takeoff and Landing

Refer to your Potensic ATOM LT Remote Controller manual and the Potensic App for detailed instructions on automatic takeoff/landing functions and manual flight controls. Always take off from a flat, stable surface.

3. Flight Controls

The drone's flight is controlled via the remote controller. Familiarize yourself with the joystick functions for throttle, yaw, pitch, and roll before attempting flight. Practice in a safe, open environment.

4. Safety Guidelines

- Maintain visual line of sight with the drone at all times.
- Do not fly in strong winds, rain, or other adverse weather conditions.
- Keep a safe distance from people, animals, buildings, and power lines.
- Avoid flying over private property without permission.
- Land immediately if you experience any control issues or low battery warnings.

Maintenance

1. Cleaning the Drone Body

Regularly clean the drone body with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, ensuring no moisture enters the internal components. Avoid using harsh chemicals or solvents.

2. Propeller Inspection and Replacement

Before each flight, inspect propellers for cracks, bends, or any signs of damage. Damaged propellers can affect flight stability and safety. Replace any damaged propellers immediately with genuine Potensic ATOM LT propellers.

3. Storage

Store the drone body in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, remove the battery from the drone body and store it separately at its recommended storage charge level (typically 50-60%).

Troubleshooting

Problem	Possible Cause	Solution
Drone does not power on.	Battery not installed or not charged.	Ensure battery is fully charged and correctly inserted into the drone body.
Drone does not link with remote controller.	Incorrect linking procedure; remote not powered on; interference.	Repeat the linking procedure. Ensure both devices are powered on and close to each other. Avoid areas with strong Wi-Fi interference.
Unstable flight or drifting.	Propellers damaged; IMU/compass not calibrated; strong winds.	Inspect and replace damaged propellers. Perform IMU and compass calibration via the app. Avoid flying in windy conditions.
App connection issues.	Incorrect phone connection to remote; outdated app; phone settings.	Ensure phone is correctly connected to the remote controller (e.g., via USB cable). Update the Potensic App to the latest version. Check phone's Wi-Fi/USB settings.

Specifications

Feature	Detail

Feature	Detail
Brand	Potensic
Model Name	ATOM LT
Part Number	ATOM-LT-DB-US
Item Weight	0.8 Pounds
Item Dimensions (L x W x H)	8.98"L x 7.56"W x 4.33"H
Material	Plastic
Connectivity Technology	Wi-Fi
Remote Control Technology	Wi-Fi
Control Type	Remote Control (requires separate remote)
Video Capture Resolution	720p (requires camera module, if applicable)
Video Output Resolution	720 pixels
Optical Sensor Technology	CMOS
Supported Image Format	JPEG
Age Range (Description)	Adult

Note: Specifications are for the drone body and its integrated components. External accessories (battery, remote, camera) may have their own specifications.

Warranty Information

Specific warranty terms and conditions for the Potensic ATOM LT Drone Body are provided with the original product packaging or can be found on the official Potensic website. Please retain your proof of purchase for warranty claims. The warranty typically covers manufacturing defects but does not cover damage caused by misuse, accidents, or unauthorized modifications.

Support

For technical support, troubleshooting assistance, or inquiries regarding parts and accessories, please contact Potensic Customer Service. You can typically find contact information on the official Potensic website or through the Potensic App.

Official Potensic Store: Potensic Store on Amazon

Always refer to the latest information available on the official Potensic channels for the most up-to-date support and product details.

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