Potensic ATOM 2

Potensic ATOM 2 Drone with RC PTD 1 Controller Instruction Manual

Model: ATOM 2 | Brand: Potensic

INTRODUCTION

This manual provides essential information for the safe and effective operation of your Potensic ATOM 2 drone and RC PTD 1 remote controller. Please read this manual thoroughly before operating the product to ensure proper usage and to maximize your flying experience.
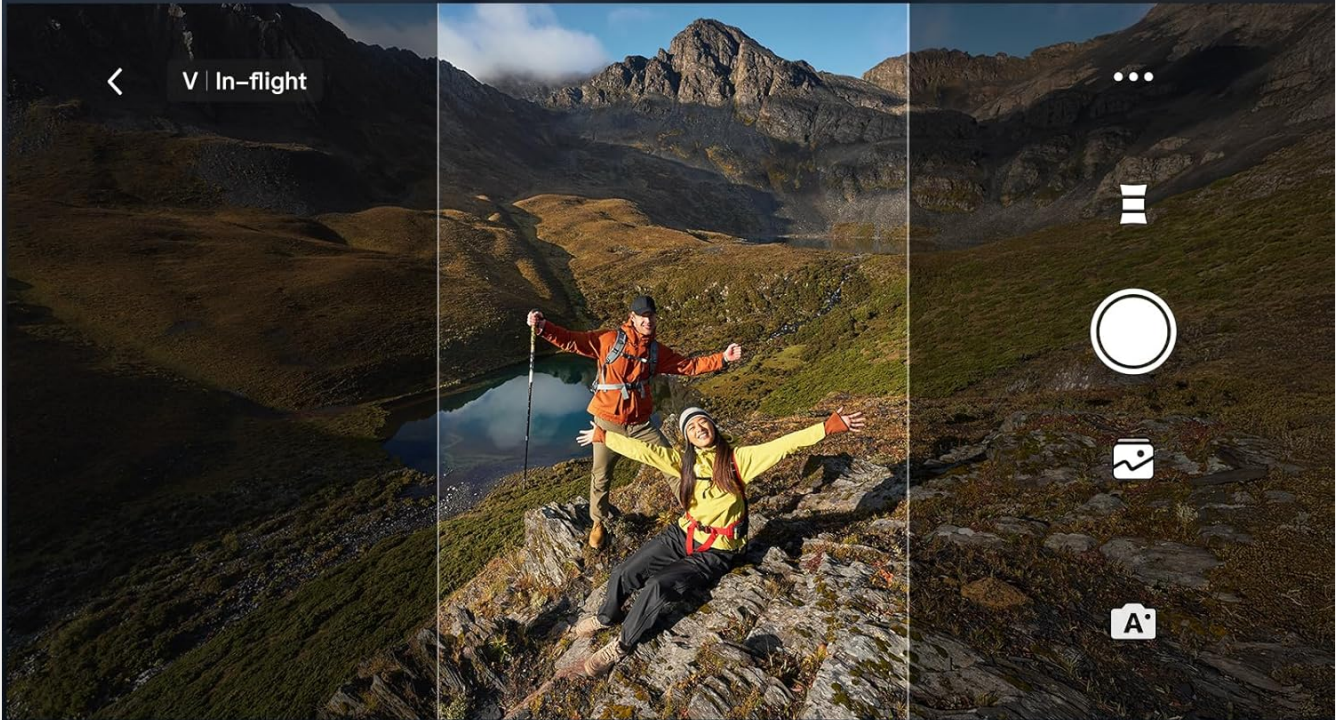
PACKAGE CONTENTS

The Potensic ATOM 2 Fly More Combo includes the following items:

- 1 x ATOM 2 Drone
- 1 x Remote Controller with Display (RC PTD 1)
- 1 x Shoulder Bag
- 3 x Batteries
- 1 x Gimbal Protector
- 1 x Parallel Charging Hub
- 1 x Charging Hub Adapter
- 1 x Propeller Holder Strap
- 16 x Spare Propellers (8 Pairs)
- 16 x Spare Screws
- 1 x Screwdriver
- 1 x USB-C Charging Cable

A comprehensive display of all items included in the Fly More Combo, such as the drone, RC PTD 1 controller, three batteries, charging hub, spare propellers, and cables.

SETUP

1. Drone Preparation

- Unfold the drone arms carefully.
- Remove the gimbal protector.
- Insert a fully charged battery into the drone.

The Potensic ATOM 2 drone with its arms unfolded, showcasing its compact design and readiness for flight.

2. Controller Setup (RC PTD 1)

- Extend the controller antennas.
- Gently screw the joysticks into place.
- Power on the controller by pressing and holding the power button.
- Ensure the controller battery is sufficiently charged. The controller supports 27W fast charging, reaching 90% in approximately 85 minutes.

This video provides an unboxing and initial setup guide for the Potensic Atom 2 drone and its PTD 1 Smart Controller, demonstrating how to prepare the devices for first use.

3. Battery Charging

The Fly More Combo includes a parallel charging hub that supports quick-charging for three batteries simultaneously, completing a full charge in approximately 1.3 hours.

KEY FEATURES

Camera and Imaging

- **Sensor:** Equipped with a 1/2" Sony CMOS sensor.
- **Photo Resolution:** Captures 8K photos (48MP).
- **Video Resolution:** Records 4K/30fps HDR stable videos within a 3-axis gimbal.

- **Low-Light Performance:** F1.8 aperture and 4-in-1 pixels enhance low-light performance, detail, and color.
- **P-Log Mode:** Assists in obtaining vivid and realistic images with greater editing flexibility.
- **Vertical Shooting:** Supports 2.7K vertical shooting, perfectly framed for social media.
- **Digital Zoom:** Features 4x digital zoom (supported in 1080p 24/25/30fps video).
- **Photo Modes:** Includes panoramic, burst mode, and interval timer shooting.
- **Video Modes:** Offers Dolly Zoom, Slow Motion, and QuickShots for cinematic videos.
- **AI Night Shot:** AI model intelligently identifies scenes and applies precise enhancements for clear night videos.

A detailed view of the drone's camera, emphasizing its 1/2-inch Sony CMOS sensor capable of 8K photos and 4K HDR video recording.

Flight Performance

- **Weight:** Under 249g, eliminating the need for FAA and Remote ID registration.
- **Transmission:** PixSync 4.0 technology provides stable control and 1080p/30fps live video up to 10KM with 120ms latency.
- **Flight Time:** Up to 32 minutes per battery, with the Fly More Combo offering up to 96 minutes with three

batteries.

- **Stability:** Features a 3-axis gimbal for stable video and level 5 wind resistance.

The RC PTD 1 remote controller in use, showing its integrated screen with a live 1080p feed from the drone, demonstrating the 10KM video transmission capability.

RC PTD 1 Remote Controller

- **Integrated Display:** 5.5-inch FHD touchscreen (1920x1080) with 700 nits brightness for clear visibility even in bright conditions.
- **Battery Life:** Provides up to 3 hours of runtime.
- **Fast Charging:** Supports 27W fast charging (90% in 85 minutes).
- **Storage:** 32GB built-in storage with an expandable MicroSD card slot.
- **Dedicated Screen:** Eliminates phone interruptions during flight.
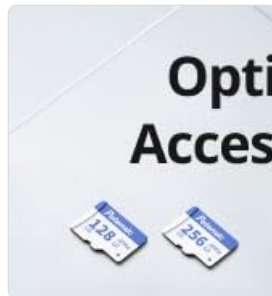- **Controls:** Features customizable C1/C2 function buttons and precise control sticks.

This video highlights the advanced AI tracking features and QuickShot modes available with the Potensic Atom 2 drone and its PTD1 controller, demonstrating ease of capturing dynamic footage.

OPERATING INSTRUCTIONS

AI Track Modes

The ATOM 2 drone, powered by an AI model, offers premium object locking and imagery technology. Frame your target to access the following tracking modes:

- **Spotlight:** Keeps the subject in the center of the screen, allowing for camera movement at different angles.
- **Follow:** The drone tracks the target while maintaining the same geographical orientation in relation to the target.
- **Parallel:** The drone flies alongside the target, capturing footage from a side perspective.

The Potensic ATOM 2 drone utilizing its AI Auto-Following feature to accurately track a moving subject, ensuring the subject remains in frame.

Smart Flight Features

- **GNSS Positioning:** Offers precise positioning with a customizable HOME Point.
- **Smart Return-to-Home (RTH):** Automatically returns the drone to its take-off point.
- **Cruise Control:** Maintains a set speed and direction.
- **Auto Takeoff and Landing:** Simplifies the most critical phases of flight.
- **QuickShots:** Pre-programmed flight paths for capturing cinematic video clips with ease.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Potensic ATOM 2 drone.

- **Propeller Inspection:** Regularly check propellers for any damage (nicks, bends, cracks). Replace damaged propellers immediately using the provided spare parts and screwdriver. Always replace propellers in balanced pairs (clockwise with clockwise, counter-clockwise with counter-clockwise).
- **Battery Care:** Fully charge batteries before each flight. Store batteries in a cool, dry place. Avoid overcharging or completely draining batteries.
- **Cleaning:** Use a soft, dry cloth to clean the drone body, camera lens, and controller screen. Avoid using harsh chemicals.
- **Firmware Updates:** Periodically check the Potensic Eve app for firmware updates to ensure optimal performance and access to new features.

TROUBLESHOOTING

If you encounter any issues with your Potensic ATOM 2 drone, please refer to the following general troubleshooting tips:

- **Connection Issues:** Ensure the drone and controller are fully charged and within range. Restart both devices and attempt to reconnect.

- **Flight Instability:** Check propellers for damage and replace if necessary. Ensure the drone is calibrated correctly before flight. Avoid flying in strong winds.
- **Image/Video Quality:** Clean the camera lens. Ensure proper lighting conditions or utilize AI Night Shot for low-light scenarios.
- **App Malfunctions:** Ensure the Potensic Eve app is updated to the latest version. Restart the app or your mobile device.

For more detailed assistance, utilize the in-app chat service available through the Potensic Eve app.

SPECIFICATIONS

Feature	Specification
Brand	Potensic
Model Name	ATOM 2
Item Weight	245 Grams (8.6 ounces)
Product Dimensions	5.6"L x 3.5"W x 2.28"H
Video Capture Resolution	4K
Effective Still Resolution	48 MP (8K Photo)
Max Transmission Range	10KM
Max Flight Time	32 Mins (per battery)
Gimbal	3-Axis
Controller Display	5.5" FHD Touchscreen (700 nits)
Controller Battery Life	Up to 3 hours
Connectivity Technology	Wi-Fi

WARRANTY AND SUPPORT

Potensic Care is available through our new Potensic Eve app, offering comprehensive accident coverage and instant support via in-app chat service. Enjoy your flight without concern.
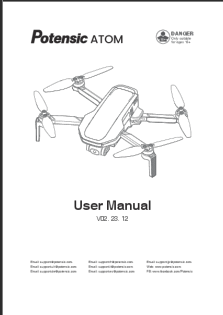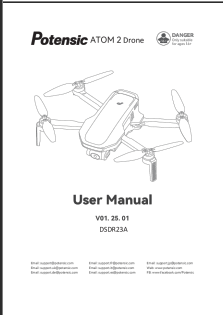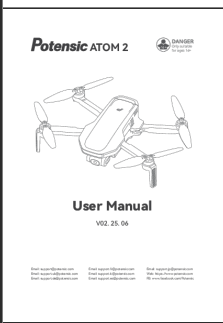For direct support, you may contact Potensic Customer Support:

- **Phone Service:** +1 833 549 7772 (Sat-Mon 7 AM - 10 PM EST, Tue-Fri 9 AM - 6 PM EST)
- **Email:** Support@potensic.com

Potensic Customer Support contact information, including phone service hours and email address.

Related Documents - ATOM 2

	[Potensic ATOM Drone User Manual](#) Comprehensive user manual for the Potensic ATOM drone, covering setup, flight operations, safety precautions, app usage, and technical specifications. Learn how to fly, capture aerial footage, and maintain your drone.
	[Potensic ATOM 2 Drone User Manual V01.25.01](#) This user manual (V01.25.01) for the Potensic ATOM 2 Drone provides comprehensive guidance on setup, operation, safety, and features like 4K video and 3-axis gimbal for aerial photography and videography.
	[Potensic ATOM 2 Drone User Manual](#) Comprehensive user manual for the Potensic ATOM 2 foldable drone, detailing its features, operation, safety guidelines, and technical specifications for optimal flight experience.
	[Potensic ATOM 2 Drone User Manual](#) Comprehensive user manual for the Potensic ATOM 2 drone, covering setup, operation, safety guidelines, and technical specifications. Learn how to fly, maintain, and troubleshoot your drone.
	[Potensic ATOM SE Drone: Important Warnings and Safety Guidelines](#) Essential safety warnings and operational guidelines for the Potensic ATOM SE drone, covering weather conditions, flight safety, maintenance, and app features.
	[Potensic ATOM 2 Drone User Manual: Comprehensive Flight Guide](#) Detailed user manual for the Potensic ATOM 2 drone, covering setup, flight operations, safety, Potensic Eve App features, and technical specifications. Learn to fly safely and effectively.