Potensic PTD 1

Potensic PTD 1 Remote Controller Instruction Manual

Model: PTD 1 | Brand: Potensic

1. INTRODUCTION

Thank you for choosing the Potensic PTD 1 Remote Controller. This manual provides essential information for setting up, operating, and maintaining your remote controller. Please read this manual thoroughly before use to ensure safe and optimal performance. The Potensic PTD 1 Remote Controller is specifically designed for use with the Potensic Atom 2 drone.

2. PRODUCT OVERVIEW

The Potensic PTD 1 Remote Controller integrates a high-definition display and advanced transmission technology to provide a seamless and reliable drone piloting experience. Key features include:

- **5.5-Inch FHD Display:** A 1080P full HD touch screen with up to 700 nits brightness for clear visibility in various lighting conditions.
- **PixSync 4.0 Transmission:** Advanced technology enabling stable, smooth, and low-latency video transmission up to 10 kilometers.
- **Extended Battery Life:** Built-in 2 x 3200 mAh batteries provide up to 3 hours of operation.
- **Fast Charging:** Supports 27W fast charging, reaching 90% in approximately 85 minutes.
- **Integrated Storage:** Features 32GB of built-in storage and an additional memory card slot for expanded recording capacity.

Figure 2.1: Potensic PTD 1 Remote Controller with its 5.5-inch FHD Display.

MAX 10KM Transmission

1080p
Live View

PixSync 4.0
Video Transmission

120ms
Low Latency

Figure 2.2: Potensic PTD 1 Remote Controller demonstrating 10KM transmission range.

All-in-One, Ready to Fly

Figure 2.3: The Potensic PTD 1 Remote Controller is an all-in-one solution, ready for flight.

Portable & Compact

Easy to carry, effortless to control.

Figure 2.4: The portable and compact design of the Potensic PTD 1 Remote Controller.

What's in the Box

PTD 1 Remote Controller

USB-C to USB-C Cable

Quick Start Guide

*Note: PTD 1 Remote Controller is exclusively compatible with the Potensic ATOM 2

Figure 2.5: What's included in the Potensic PTD 1 Remote Controller package.

3. SETUP

3.1 Charging the Remote Controller

Before first use, fully charge the remote controller. Connect the provided USB-C cable to the controller's charging port and to a 27W fast charger. The controller will reach 90% charge in approximately 85 minutes. Ensure the controller is powered off during charging for optimal results.

Figure 3.1: Charging the Potensic PTD 1 Remote Controller with 27W fast charging.

3.2 Compatibility

The Potensic PTD 1 Remote Controller is exclusively compatible with the Potensic Atom 2 drone. It is not designed for use with other drone models.

3.3 Initial Connection and Quick Launch

The remote controller comes preloaded with the Potensic Eve App. To begin flying, simply power on the controller, connect it to your Atom 2 drone, and take off. Follow the on-screen prompts for any initial setup or pairing procedures.

4. OPERATING

4.1 Display and Visibility

The 5.5-inch 1080P full HD touch screen provides a crisp and clear live view of your drone's camera feed. With a continuous high brightness of up to 700 nits, you can maintain clear visibility and precise operation even in direct

sunlight.

4.2 Transmission Range and Stability

Utilizing advanced PixSync 4.0 technology, the controller offers stable, smooth, and extremely low-latency video transmission within a 10-kilometer range. This ensures safe and reliable flight control and real-time precision.

4.3 Onboard Storage and Expansion

The PTD 1 Remote Controller includes 32GB of built-in storage for direct screen recording and caching. An additional memory card slot allows for further storage expansion, ensuring ample space for your flight recordings.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Potensic PTD 1 Remote Controller, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the screen and body of the controller. Avoid using liquid cleaners or solvents.
- **Battery Care:** Store the controller in a cool, dry place. If storing for extended periods, ensure the battery is charged to approximately 50-60% to prevent degradation.
- **Storage:** When not in use, fold the antennas and store the controller in its protective carrying case to prevent damage.

6. TROUBLESHOOTING

If you encounter any issues with your Potensic PTD 1 Remote Controller, please refer to the following common troubleshooting steps:

- **Controller Not Powering On:** Ensure the battery is sufficiently charged. Connect to the charger and attempt to power on again.
- **No Video Feed:** Verify that the controller is correctly paired with the Atom 2 drone and that the drone's camera is functioning. Check for any obstructions to the transmission signal.
- **Poor Transmission Signal:** Ensure you are within the 10KM transmission range and that there are no major obstructions (e.g., large buildings, dense forests) between the controller and the drone. Avoid areas with high electromagnetic interference.
- **Storage Issues:** If you cannot record or save files, check the available internal storage or ensure the external memory card is correctly inserted and has sufficient space.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	8.86 x 4.41 x 2.09 inches
Item Weight	15.9 ounces
Item Model Number	PTD 1

Display	5.5-Inch 1080P Full HD Touch Screen, 700 nits brightness
Transmission Technology	PixSync 4.0
Max Transmission Range	10KM
Battery Capacity	2 x 3200 mAh (6400 mAh total)
Max Battery Life	Up to 3 hours
Fast Charging	27W (90% in 85 minutes)
Internal Storage	32GB
Expandable Storage	Memory card slot available
Compatible Devices	ATOM 2 Drone Only
Color	Gray

8. WARRANTY INFORMATION

Potensic products are covered by a limited warranty. Please refer to the warranty card included in your product packaging or visit the official Potensic website for detailed warranty terms and conditions. Keep your proof of purchase for warranty claims.

9. SUPPORT

For further assistance, technical support, or customer service, please contact Potensic 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
- **Online Store:** Visit the Potensic Store