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Potensic Atom Parallel Charging Hub

Potensic Atom Parallel Charging Hub User Manual

Model: Atom Parallel Charging Hub

Introduction

This user manual provides comprehensive instructions for the safe and efficient use of your Potensic Atom Parallel Charging Hub, Smart Batteries, and Super Quick Charge Adapter. This accessory kit is designed exclusively for the Potensic ATOM series drones. Please read this manual thoroughly before use to ensure proper operation and to maximize the lifespan of your product.

Safety Information

- Use only the provided Super Quick Charge Adapter with the charging hub.
- Do not attempt to charge non-Potensic Atom series batteries with this hub.
- Keep the charging hub and batteries away from water, moisture, and extreme temperatures.
- Do not disassemble, puncture, or short-circuit the batteries or charging hub.
- Supervise charging at all times.
- Store batteries in a cool, dry place when not in use.
- If any component is damaged, discontinue use immediately and contact customer support.

Package Contents

Verify that all items listed below are present in your package:

- 1 x Potensic Atom Parallel Charging Hub
- 2 x Potensic Atom Smart Batteries
- 1 x Potensic Super Quick Charge Adapter (Max 60W Input)



Image: All components included in the package, showing the charging hub, two smart batteries, and the quick charge adapter with its power cable.

Product Overview

Familiarize yourself with the components of your Potensic Atom Parallel Charging Hub and Smart Batteries.

Charging Hub



Image: The Potensic Atom Parallel Charging Hub shown with two smart batteries. The hub features multiple charging slots, a power button, and LED indicators for charge status. Side ports for IN and OUT are visible.

- **Battery Slots:** Three dedicated slots for Potensic Atom Smart Batteries.
- **LED Indicators:** Each slot has LED indicators to show the charging status of the inserted battery.
- **Power Button:** Activates the charging process.
- **USB-A Output Port (OUT):** Allows charging of the remote control or other USB-powered devices.
- **Power Input Port (IN):** Connects to the Super Quick Charge Adapter.

Smart Batteries



Image: A top-down view of the Potensic Atom Parallel Charging Hub and two individual smart batteries. The batteries are compact and designed to fit securely into the charging hub.

- Designed specifically for Potensic ATOM series drones.
- Integrated smart features for optimized charging and discharge.

Compatibility Note



Image: A side-by-side comparison of two Potensic drone batteries, labeled "ATOM" and "ATOM SE", highlighting their distinct shapes and indicating specific model compatibility.

This charging hub and batteries are compatible only with the Potensic ATOM series drones. Ensure you are using the correct battery type for your specific drone model (e.g., ATOM or ATOM SE).

Setup

1. Place the charging hub on a stable, flat, and heat-resistant surface.
2. Connect the Super Quick Charge Adapter to the "IN" port on the charging hub.
3. Plug the Super Quick Charge Adapter into a standard wall outlet.
4. Insert the Potensic Atom Smart Batteries into the designated slots on the charging hub. Ensure they are fully seated.

Operating Instructions

Charging Smart Batteries



Image: The Potensic Atom Parallel Charging Hub actively charging a battery, indicated by illuminated green LEDs. The setup is shown on a wooden surface with a book and decorative elements.

1. After connecting the hub to power and inserting batteries, press the power button on the charging hub.
2. The LED indicators above each battery slot will illuminate to show the charging status:
    - **Flashing LEDs:** Battery is charging. The number of flashing LEDs indicates the current charge level.
    - **Solid LEDs:** Battery is fully charged.
3. The charging hub can charge up to three batteries simultaneously. The charging time for one battery is approximately the same as for three batteries (around 90 minutes for a full charge).
4. Once charging is complete, the LEDs will remain solid. You can then remove the batteries.

Charging Remote Control or Other Devices

- Connect your remote control or other USB-powered device to the "OUT" USB-A port on the charging hub using an appropriate USB cable (not included).
- The charging hub will provide power to the connected device.

Maintenance

- Clean the charging hub and batteries with a soft, dry cloth. Do not use liquid cleaners.
- Regularly inspect the charging ports and battery contacts for any debris or damage.
- Store the charging hub and batteries in a cool, dry environment, away from direct sunlight and extreme temperatures.
- For long-term storage, it is recommended to charge batteries to approximately 50-60% capacity.

Troubleshooting

Problem	Possible Cause	Solution
Charging hub not powering on.	Power adapter not connected or faulty outlet.	Ensure the Super Quick Charge Adapter is securely connected and the wall outlet is functional. Try a different outlet.
Batteries not charging.	Batteries not properly inserted; dirty contacts; battery fault.	Re-insert batteries firmly. Clean battery contacts and charging hub slots with a dry cloth. If problem persists, the battery may be faulty.
LEDs flashing continuously without charging progress.	Battery temperature too high/low; battery fault.	Allow batteries to reach room temperature before charging. If problem persists, the battery may be faulty.
Remote control not charging via USB-A port.	Incorrect cable; remote control fault; hub not powered.	Ensure the charging hub is powered on. Use a known good USB cable. Check if the remote control charges with its original charger.

Specifications

- **Product Dimensions:** 8.66 x 6.85 x 2.76 inches
- **Item Weight:** 1.46 pounds (0.66 Kilograms)
- **Input Voltage:** 120 Volts (via Super Quick Charge Adapter)
- **Output Voltage (Hub):** 1.2E+2 Volts (for batteries)
- **Max Adapter Input:** 60W
- **Battery Type:** Lithium Polymer
- **Charging Time:** Approximately 90 minutes for 1-3 batteries
- **Compatibility:** Potensic ATOM series drones only

Warranty and Support

Potensic products come with a standard manufacturer's warranty. For detailed warranty information, please refer to the warranty card included with your product or visit the official Potensic website.
If you encounter any issues or have questions regarding your Potensic Atom Parallel Charging Hub, please contact Potensic Customer Support:

- **Official Website:** www.potensic.com (Check for support contact details)
- **Email Support:** Refer to your product packaging or official website for the latest email address.

Please have your product model and purchase information ready when contacting support.

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