X-IMVNLEI X-IDRONE3 Battery

X-IMVNLEI 7.4V 1200mAh Li-Po Battery Instruction Manual for X-IDRONE3 GPS RC Quadcopter Drone

1. Introduction

Thank you for choosing the X-IMVNLEI 7.4V 1200mAh Li-Po Battery. This battery is specifically designed to power your X-IDRONE3 GPS RC Quadcopter Drone, providing reliable performance and extended flight times. This manual provides essential information on the safe and proper use, charging, maintenance, and storage of your battery. Please read it thoroughly before use to ensure optimal performance and safety.

2. Safety Information

Lithium-Polymer (Li-Po) batteries require careful handling. Failure to follow these safety guidelines can result in fire, personal injury, or property damage.

- **Compatibility:** This battery is **only** suitable for the X-IDRONE3 GPS RC Quadcopter Drone. Do not attempt to use it with other devices.
- **Charging:** Always use a charger specifically designed for Li-Po batteries. Never leave charging batteries unattended.
- **Protection:** The battery features built-in overcharge protection and short-circuit protection for enhanced safety. However, always exercise caution.
- **Physical Damage:** Do not puncture, disassemble, or modify the battery. If the battery appears swollen, damaged, or leaks, discontinue use immediately and dispose of it properly.
- **Temperature:** Do not expose the battery to extreme temperatures, direct sunlight, or store it near heat sources. Optimal operating temperature is between 0°C and 40°C (32°F and 104°F).
- **Water Exposure:** Keep the battery away from water and moisture.
- **Disposal:** Dispose of Li-Po batteries according to local regulations. Do not dispose of them in household waste.

3. Product Overview

The X-IMVNLEI 7.4V 1200mAh Li-Po battery is a high-capacity power source designed for the X-IDRONE3 drone. It is constructed from high-quality, durable plastic, ensuring resistance and stability during use.



Image 3.1: Front view of the X-IMVNLEI 7.4V 1200mAh Li-Po Battery. This image shows the sleek, dark gray casing of the battery, highlighting its compact design and the connector pins at one end.



Image 3.2: Rear view of the X-IMVNLEI Li-Po Battery, displaying manufacturer information, capacity, voltage, and safety certifications. This view provides details printed on the battery casing, including its Li-Po composition and regulatory marks.

4. Setup and Installation

Follow these steps to correctly install the battery into your X-IDRONE3 GPS RC Quadcopter Drone:

1. Ensure the drone is powered off before attempting battery installation or removal.
2. Locate the battery compartment on your X-IDRONE3 drone. Refer to your drone's manual for the exact location.
3. Carefully insert the X-IMVNLEI 7.4V 1200mAh Li-Po battery into the compartment, ensuring the connectors align properly.
4. Gently push the battery until it clicks securely into place. Do not force the battery.
5. Close the battery compartment cover, if applicable.



Image 4.1: The X-IMVNLEI Li-Po battery positioned next to an X-IDRONE3 drone, illustrating the relative size and intended use. This image helps visualize where the battery will be installed in the drone.

5. Charging Instructions

Proper charging is crucial for the longevity and safety of your Li-Po battery.

1. Connect the battery to a compatible Li-Po battery charger. Ensure the charger's voltage and current settings match the battery's specifications (7.4V).

2. Plug the charger into a power source.
3. Monitor the charging process. The typical charging time for this 1200mAh battery is approximately **180 minutes (3 hours)**.
4. Once charging is complete, disconnect the battery from the charger. Do not overcharge.

Note: *A compatible charger is typically included with your X-IDRONE3 drone or sold separately. Always refer to your charger's manual for specific operating instructions.*

6. Operating Instructions

Once the battery is fully charged and installed in your X-IDRONE3 drone, you can begin operation.

- Power on your X-IDRONE3 drone and its remote controller according to the drone's instruction manual.
- The battery provides approximately **23 minutes of flight time** under optimal conditions. Actual flight time may vary based on drone usage, wind conditions, and payload.
- Pay attention to the drone's battery level indicator. Land the drone safely when the battery level is low to prevent sudden power loss and potential damage.
- Avoid completely discharging the battery, as this can reduce its lifespan.

7. Maintenance and Storage

Proper maintenance and storage will extend the life of your X-IMVNLEI Li-Po battery.

- **Cleaning:** Keep the battery and its connectors clean and free from dust or debris. Use a dry, soft cloth for cleaning.
- **Storage Charge:** For long-term storage (more than a few days), it is recommended to store Li-Po batteries at a partial charge, typically around 50-60% of their capacity. Do not store fully charged or fully discharged.
- **Storage Environment:** Store the battery in a cool, dry place, away from direct sunlight, heat sources, and flammable materials. A Li-Po safe bag is recommended for storage.
- **Inspection:** Regularly inspect the battery for any signs of damage, swelling, or leakage. Discontinue use if any issues are observed.

8. Troubleshooting

If you encounter issues with your X-IMVNLEI Li-Po battery, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Battery not charging	Incorrect charger, loose connection, damaged battery/charger	Ensure charger is compatible and properly connected. Inspect battery and charger for damage. Try a different power outlet.
Short flight time	Battery not fully charged, aged battery, extreme conditions (wind, cold)	Ensure full charge. Consider battery age; Li-Po batteries degrade over time. Avoid flying in harsh conditions.
Battery not fitting in drone	Incorrect orientation, obstruction, incompatible drone model	Verify correct orientation. Check for any obstructions in the compartment. Confirm drone model is X-IDRONE3.

9. Specifications

Brand	X-IMVNLEI
Compatible Drone Model	X-IDRONE3 GPS RC Quadcopter Drone
Battery Type	Lithium-Polymer (Li-Po)
Voltage	7.4 Volts
Capacity	1200 mAh
Charging Time	Approximately 180 minutes
Play Time	Approximately 23 minutes
Weight	46 Grams
Color	Black
Safety Features	Overcharge protection, Short-circuit protection
Manufacturer	X-IMVNLEI
Date First Available	August 12, 2022

10. Warranty and Support

For warranty information or technical support regarding your X-IMVNLEI 7.4V 1200mAh Li-Po Battery, please refer to the documentation provided with your X-IDRONE3 drone or contact the manufacturer directly. Keep your proof of purchase for any warranty claims.

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