

morlyrctoooy IDEA16

morlyrctoooy IDEA16 Drone Battery 3.7V 1600mAh User Manual

Model: IDEA16

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your morlyrctoooy IDEA16 Drone Battery. Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage or injury. Keep this manual for future reference.

2. SAFETY INFORMATION

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

- Do not disassemble, puncture, or modify the battery.
- Do not expose the battery to extreme temperatures (above 60°C / 140°F or below 0°C / 32°F) or direct sunlight.
- Do not immerse the battery in water or other liquids.
- Use only the charger specifically designed for this battery. Overcharging or using an incompatible charger can be dangerous.
- Store the battery in a cool, dry place, away from flammable materials.
- If the battery shows signs of swelling, leakage, or damage, discontinue use immediately and dispose of it properly.
- Keep batteries out of reach of children and pets.
- Dispose of used batteries according to local regulations. Do not dispose of with household waste.

3. SETUP AND CHARGING

The morlyrctoooy IDEA16 Drone Battery features a modular design for easy installation and removal.

3.1 Initial Charge

Before first use, fully charge the battery. Connect the battery to its compatible charger and plug the charger into a power source. Refer to your drone's manual for specific charging instructions and indicators.

3.2 Battery Installation

1. Ensure the drone is powered off before installing or removing the battery.
2. Locate the battery compartment on your IDEA16 drone.
3. Align the battery with the compartment and gently slide it into place until it clicks securely. The modular design ensures a firm connection.
4. To remove, press the release mechanism (if present on your drone model) and slide the battery out.





Figure 1: morlyrctooy IDEA16 Drone Battery. This image displays the morlyrctooy IDEA16 Drone Battery. The battery is gray with a modular design. Visible labels include 'Battery:LI-poly (No.853465)', 'Rated capacity: 3.7V 1600mAh', manufacturer information, and certification marks (CE, UKCA, FC, PS E). The text 'MADE IN CHINA' and a support email address are also present.

4. OPERATING THE BATTERY

This battery is designed to power the IDEA16 drone, providing approximately 15 minutes of flight time under optimal conditions.

- Always ensure the battery is fully charged before each flight.
- Monitor the drone's battery level during operation and land the drone before the battery is completely depleted to prevent sudden power loss.
- Avoid operating the drone in conditions that could overstress the battery, such as extreme cold or high winds, which can reduce flight time.

5. MAINTENANCE AND STORAGE

Proper maintenance and storage extend the lifespan of your battery.

- **Cleaning:** Use a dry, soft cloth to clean the battery terminals and exterior. Do not use liquids or solvents.
- **Charging:** Do not leave batteries unattended while charging. Disconnect the charger once charging is complete.
- **Storage:** For long-term storage, it is recommended to store Li-poly batteries at approximately 50-60% charge. Store in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Disposal:** When the battery reaches the end of its life or becomes damaged, dispose of it responsibly at a designated battery recycling facility. Do not incinerate.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging	Charger not connected properly. Faulty charger or cable. Battery damage.	Ensure all connections are secure. Try a different compatible charger/cable. If battery is damaged, discontinue use and replace.
Short flight time	Battery not fully charged. Aging battery. Extreme flight conditions (e.g., strong winds).	Ensure battery is fully charged before use. Consider replacing the battery if it's old. Avoid flying in adverse conditions.
Battery not fitting drone	Incorrect battery model. Improper alignment.	Verify battery compatibility with your IDEA16 drone model. Ensure correct orientation and gentle insertion.

7. SPECIFICATIONS

Feature	Detail
Brand	morlyrctoooy
Model	IDEA16 Drone Battery
Battery Type	Lithium Polymer (Li-poly)
Rated Voltage	3.7V
Rated Capacity	1600mAh
Estimated Flight Time	Approximately 15 minutes (varies with drone model and flight conditions)
Item Weight	2.39 ounces (67.7 grams)
Package Dimensions	4.13 x 1.57 x 1.57 inches (10.5 x 4 x 4 cm)
Certifications	CE, UKCA, FC, PS E
Manufacturer	ShanTou City Quan Liang New Energy Technology CO.,LTD
Country of Origin	China

8. WARRANTY AND SUPPORT

morlyrctoooy is committed to customer satisfaction. If you encounter any issues with your IDEA16 Drone Battery, please contact our support team.

- **Customer Service:** The morlyrctoooy team provides 24-hour after-sales service.
- **Replacement Service:** A free replacement service is available for eligible issues.

- **Contact Email:** support@le-idea.cn
- Please include your purchase details and a description of the issue when contacting support.