

Zeee 11.1V 120C 1500mAh

Zeee 11.1V 120C 1500mAh 3S RC LiPo Battery User Manual

Model: 11.1V 120C 1500mAh

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Zeee 11.1V 120C 1500mAh 3S RC LiPo Battery. This high-performance graphene battery with an XT60 plug is designed for various RC models, including drones, FPV, quadcopters, helicopters, airplanes, boats, and cars. Please read these instructions carefully before use to ensure optimal performance and safety.

2. SAFETY GUIDELINES

Lithium Polymer (LiPo) batteries are powerful and require careful handling. Failure to follow these safety guidelines can result in fire, personal injury, and property damage.

- **Charging:** Always use a LiPo-compatible charger. Never charge unattended. Charge in a fire-safe area, away from flammable materials. Do not charge a swollen, damaged, or punctured battery.
- **Storage:** Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures. Use a LiPo-safe bag or container for storage. Do not store fully charged or fully discharged for extended periods.
- **Disposal:** Dispose of damaged or unusable batteries safely according to local regulations. Never throw LiPo batteries in regular trash.
- **Handling:** Do not short-circuit the battery terminals. Avoid physical damage, such as dropping or crushing. Keep out of reach of children and pets.
- **Temperature:** Do not expose to temperatures above 60°C (140°F). Do not use if the battery is excessively hot.

3. PRODUCT SPECIFICATIONS

The Zeee 11.1V 120C 1500mAh 3S RC LiPo Battery offers high capacity and powerful performance for your RC models.

Feature	Specification
Battery Voltage	11.1V

Feature	Specification
Capacity	1500mAh
Discharge Rate	120C
Cell Configuration	3S
Plug Type	XT60 Plug
Dimensions (L*W*H)	68*34.5*27.5mm (2.68*1.36*1.08 inches)
Weight	134g (4.73oz)
Battery Cell Composition	Lithium Polymer (Graphene)

Compatibility: This battery is compatible with various RC models including drones, FPV, Skylark m4-fpv250, Mini Shredder 200, Indy250 plus mojo 280, Qav250, Vortex, Emax nighthawk 250, RC airplanes, RC helicopters, and RC boats. Ensure the voltage, dimensions, and plug type match your model's requirements.



Powerful Performance

Fit for RC Airplane, Boat, RC Car, Vehicles, Trucks, etc.

Only if the voltage, dimension and the plug match, then it will fit for your rc model.



Image: Zee 3S LiPo battery shown with various compatible RC models.

4. SETUP

Before connecting the battery to your RC model, ensure all components are compatible and correctly configured.

1. **Inspect Battery:** Visually inspect the battery for any signs of damage (swelling, punctures, loose wires) before each use. Do not use a damaged battery.
2. **Connectors:** Ensure the XT60 plug on the battery matches the connector on your RC model. If an adapter is needed, ensure it is of high quality and rated for the battery's current.
3. **Secure Placement:** Securely mount the battery in your RC model using straps or a battery tray to prevent movement during operation. Ensure wires are not pinched or exposed.
4. **Balance Lead:** The JST-XH balance lead is used for charging and monitoring individual cell voltages. Ensure it is connected to your charger's balance port during charging.



Product Details

Zeeep Lipo Battery, Upgraded Series for More Enjoyment

JST-XH



XT60



Soft Case



13AWG

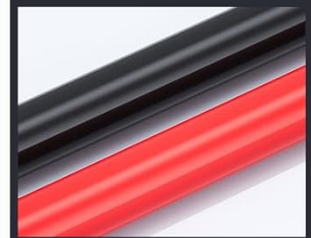


Image: Detailed view of the battery's XT60 and JST-XH connectors.

5. CHARGING INSTRUCTIONS

Proper charging is critical for the longevity and safety of your LiPo battery.

1. **Use a LiPo Charger:** Only use a charger specifically designed for Lithium Polymer batteries with a balance charging function.
2. **Connect Battery:** Connect the main XT60 plug of the battery to the charger's output port. Then, connect the JST-XH balance lead to the charger's balance port.
3. **Set Parameters:** Set the charger to the correct battery type (LiPo), cell count (3S), and charging current. A charge rate of 0.5-1C is suggested for optimal battery health, though the battery is capable of 5C fast charging. For this 1500mAh battery, 1C is 1.5A.
4. **Monitor Charging:** Stay present and monitor the battery during the entire charging process. Disconnect immediately if you observe any swelling, smoke, or excessive heat.
5. **Full Charge:** The charger will indicate when the battery is fully charged. Disconnect the battery from the charger once charging is complete.



Image: Zee LiPo battery connected to a balance charger, showing recommended charge rate.

6. OPERATING INSTRUCTIONS

Follow these guidelines for safe and effective operation of your RC model with the Zee LiPo battery.

- **Initial Check:** Before each use, ensure the battery is fully charged and securely installed in your RC model. Check all connections for tightness.
- **Discharge Limits:** Do not discharge the battery below 3.0V per cell (9.0V for a 3S battery). Over-discharging can permanently damage the battery. Most ESCs (Electronic Speed Controllers) have a low voltage cutoff feature; ensure it is set correctly for LiPo batteries.
- **Temperature Monitoring:** If the battery becomes excessively hot during use, stop operation immediately and allow it to cool down before further use or charging.
- **Avoid Overload:** Do not continuously draw current beyond the battery's specified discharge rate (120C).

7. MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the lifespan of your Zee LiPo battery.

- **Storage Voltage:** For long-term storage, charge or discharge the battery to its storage voltage (typically 3.8V-3.85V per cell).
- **Cool, Dry Place:** Store batteries in a cool, dry environment, ideally between 5°C and 20°C (41°F and 68°F).
- **LiPo Safe Bag:** Always store LiPo batteries in a fire-resistant LiPo safe bag or container to minimize risk.
- **Regular Inspection:** Periodically inspect stored batteries for any signs of swelling or damage.



Image: Example of a Zeee LiPo Safe Bag for secure storage.

8. TROUBLESHOOTING

Here are some common issues and potential solutions:

Problem	Possible Cause	Solution
Battery not charging	Damaged balance lead/main connector, faulty charger, over-discharged battery.	Check connections, try a different charger, or consult Zeee support if the battery is severely over-discharged.
Battery swells during charge/discharge	Overcharging, over-discharging, physical damage, internal cell damage.	Immediately disconnect and safely dispose of the battery. Do not use.
Short runtime	Battery degradation, improper charging, high current draw from model.	Ensure full balance charge, check model's power consumption, consider battery replacement if old.

9. WARRANTY AND SUPPORT

Zeee is committed to providing high-quality products and first-class services. If you encounter any problems with your product, please contact us directly.

- **Contacting Support:** To contact Zeee support, go to "Your Orders" and click the "Contact Seller" option.
- **Response Time:** Zeee aims to respond to inquiries within 24 hours.

10. ADDITIONAL RESOURCES

For more information on Zeee products and manufacturing processes, please refer to the following video:

Your browser does not support the video tag.

Video: Zeee Lipo Battery manufacturing process and product overview. This video provides insight into the quality control and production of Zeee LiPo batteries.