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Gens ace G-Tech Bashing 2200mAh 11.1V 35C 3S LiPo Battery User Manual

Model: G-Tech Bashing 2200mAh 11.1V 35C 3S

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1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your Gens ace G-Tech Bashing 2200mAh 11.1V 35C 3S LiPo Battery with XT60 Plug. Please read this manual thoroughly before using the battery to ensure proper handling, charging, and storage, thereby maximizing its performance and lifespan while minimizing risks.



Image 1.1: Gens ace G-Tech Bashing 2200mAh 11.1V 35C 3S LiPo Battery. This image shows the overall view of the LiPo battery with its XT60 connector and balance lead.

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 on a non-flammable surface away from combustible materials. Do not charge damaged or swollen batteries.
- **Discharging:** Do not over-discharge the battery. Stop use immediately if the battery voltage drops below 3.0V per cell (9.0V for a 3S battery). Over-discharging can permanently damage the battery.
- **Storage:** Store LiPo batteries at room temperature in a fireproof container or LiPo safe bag, away from direct sunlight and heat sources. Store at a "storage charge" voltage (typically 3.8V-3.85V per cell).
- **Handling:** Do not puncture, drop, short-circuit, or disassemble the battery. Keep away from water and moisture. If the battery becomes hot, swollen, or emits smoke, immediately move it to a safe, open area away from flammable materials and observe it from a safe distance.
- **Disposal:** Dispose of LiPo batteries responsibly according to local regulations. Fully discharge the battery before disposal.



Image 2.1: Side view of the Gens ace G-Tech Bashing LiPo Battery. This image highlights the wiring and the XT60 connector, emphasizing the robust construction.

3. SETUP

Before first use, ensure the battery is fully charged and inspected for any physical damage.

1. **Initial Inspection:** Carefully remove the battery from its packaging. Inspect the battery casing, wires, and connectors for any signs of damage, swelling, or exposed wires. Do not use if damaged.
2. **First Charge:** Connect the battery to a compatible LiPo charger. The Gens ace G-Tech Smart Lipo Battery features a built-in Smart Chip that automatically identifies with G-Tech Imars Mini or Imars D300 chargers for automatic charging and stopping when fully charged. If using a regular charger, manually set the charger to LiPo mode, 3S (11.1V), and a charge rate appropriate for a 2200mAh battery (e.g., 1C or 2.2A for standard charging).
3. **Balance Charging:** Always use the balance lead during charging to ensure all cells are charged equally. This is crucial for battery health and safety.
4. **Temperature Check:** Monitor the battery temperature during charging. If it becomes excessively hot, disconnect it immediately.





Image 3.1: Gens ace G-Tech Bashing LiPo Battery showing the XT60 connector. This view emphasizes the robust XT60 connector, ready for connection to compatible devices.

4. OPERATION

This battery is designed for use in various RC models requiring a 3S 11.1V LiPo battery with an XT60 plug, such as 70MM EDF RC Planes, 450 Helicopters, RC Cars, and Boats.

- **Connection:** Connect the XT60 plug of the battery to the XT60 connector on your RC model's Electronic Speed Controller (ESC). Ensure a secure connection.
- **Discharge Rate:** The battery has a 35C discharge rate, providing high power output suitable for demanding applications. Ensure your RC model's ESC and motor are compatible with this power output.
- **Monitoring:** During operation, monitor the battery voltage, especially if your RC model does not have a low-voltage cut-off. Stop using the battery when you notice a significant drop in power or if the voltage approaches 3.0V per cell.
- **Temperature:** Avoid operating the battery in conditions that cause it to overheat. If the battery becomes excessively hot during use, allow it to cool down before recharging or further use.

5. MAINTENANCE

Proper maintenance extends the life and ensures the safety of your LiPo battery.

- **Storage Charge:** For long-term storage (more than a few days), charge or discharge the battery to a storage voltage of 3.8V-3.85V per cell. Most modern LiPo chargers have a "storage" mode.
- **Temperature:** Store the battery in a cool, dry place, ideally between 5°C and 25°C (41°F and 77°F). Avoid extreme temperatures.
- **Physical Condition:** Regularly inspect the battery for any signs of damage, swelling, or wear on the connectors and wires. Replace the battery if any damage is observed.
- **Cycle Life:** LiPo batteries have a finite number of charge/discharge cycles. While proper care can extend this, eventually the battery's performance will degrade.



Image 5.1: Gens ace G-Tech BASHING LiPo Battery in its retail packaging. This image shows the battery as it would be received, emphasizing the importance of careful unpacking and initial inspection.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging	Incorrect charger settings, faulty charger, damaged battery, loose connection.	Verify charger settings (LiPo, 3S, correct current). Check all connections. Try a different charger if available. Inspect battery for damage.
Battery swells during charging/use	Overcharging, over-discharging, internal damage, manufacturing defect.	Immediately disconnect and move to a safe, fireproof location. Do not use. Dispose of safely.
Short run time / Low power output	Battery degradation, undercharging, over-discharging, high internal resistance.	Ensure full balance charge. Check for signs of aging. Consider replacing the battery if performance is consistently low.
Battery gets hot during use	Excessive current draw, high discharge rate for application, internal resistance.	Reduce load on the battery. Ensure the battery's C-rating is appropriate for your application. Allow battery to cool before recharging.

7. SPECIFICATIONS

Feature	Detail
Brand	Gens ace
Model	G-Tech Bashing
Capacity	2200mAh
Voltage	11.1V
Configuration	3S1P
Discharge Rate	35C
Connector Type	XT60 Plug
Dimensions (L*W*H)	75*34*25mm (2.95*1.34*0.98 inches)
Approx. Weight	143g (0.32lb)
Battery Cell Composition	Lithium Polymer
Special Feature	G-Tech Smart Chip for automatic charger identification (with compatible G-Tech chargers)

8. WARRANTY & SUPPORT

For warranty information and technical support, please refer to the official Gens ace website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Contact Information: Please visit the Gens ace official website for the most up-to-date contact details and support resources.