

NORTH STAR 1595 903462

NORTH STAR 1595 3.7V 1500mAh Lithium Battery Instruction Manual

Model: 903462 | For HS110D & HS110G Drones

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your NORTH STAR 1595 3.7V 1500mAh Lithium Battery, model 903462. This battery is specifically designed as a spare or replacement power source for HS110D and HS110G aerial photography quadcopters. Please read this manual thoroughly before installation, charging, or operation to ensure optimal performance and safety.

2. IMPORTANT SAFETY INFORMATION

WARNING: Failure to follow these safety instructions can result in fire, personal injury, and property damage.

- **Charge Li-Po battery with Li-Po battery charger only.** Using an incompatible charger can cause severe damage or fire.
- **Charge the Li-Po battery on a heat-resistant surface.** Avoid charging on flammable materials.
- **Inspect Li-Po battery before charging and operating it.** Do not use if the battery is swollen, punctured, or damaged in any way.
- **Do not let Li-Po cells overheat at any time.** If the battery becomes excessively hot, discontinue use and allow it to cool.
- **Do not over-discharge the Li-Po battery.** Over-discharging can permanently damage the battery.
- **Never disassemble, puncture, shock, crash, short-circuit, soak, or incinerate the battery.**
- Keep batteries out of reach of children and pets.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.





Image: The NORTH STAR 1595 battery, showing the warning label with safety instructions.

3. PRODUCT OVERVIEW

The NORTH STAR 1595 3.7V 1500mAh Lithium Battery is a high-performance power source designed for specific drone models. It features a built-in protection mechanism to ensure safe charging and usage, providing a reliable and extended flight time for your aerial photography quadcopter.

- **Compatibility:** Specifically designed for HS110D and HS110G drones.
- **Capacity:** 1500mAh for extended flight duration.
- **Voltage:** 3.7V.
- **Safety:** Internal protection device for safe charging and discharge.
- **Connector:** Designed to match the original battery connector for a secure fit.



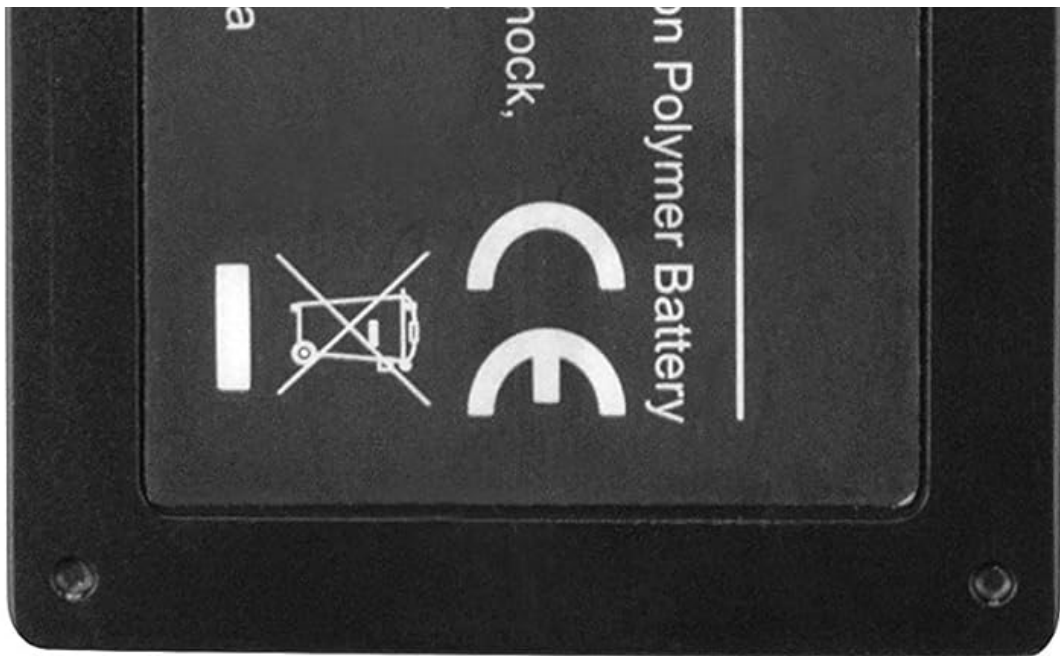


Image: A clear view of the NORTH STAR 1595 3.7V 1500mAh Lithium Battery.

4. INSTALLATION

Follow these steps to properly install the battery into your HS110D or HS110G drone:

1. Ensure the drone's power is off and disconnected from any power source.
2. Locate the battery compartment on your HS110D or HS110G drone. Refer to your drone's specific user manual for exact location and opening instructions.
3. Carefully insert the NORTH STAR 1595 battery into the compartment, ensuring the connector aligns correctly.
4. Gently push the battery connector into the drone's power port until it clicks securely into place. The connector is designed to prevent loose connections.
5. Close the battery compartment cover securely.



Image: The battery showing its connector, which should be securely inserted into the drone.

5. CHARGING INSTRUCTIONS

Proper charging is crucial for battery longevity and safety. Always adhere to the following guidelines:

1. Use only a compatible Li-Po battery charger. Refer to your drone's manual or the charger's instructions for specific charging procedures.
2. Place the battery and charger on a non-flammable, heat-resistant surface during charging.
3. Connect the battery to the charger. Ensure the connection is firm.
4. Monitor the battery during the entire charging process. Do not leave charging batteries unattended.
5. Disconnect the battery from the charger once charging is complete. Overcharging can damage the battery.

Important Charging Safety Reminders:

- Never charge a swollen or damaged battery.
- Avoid charging in direct sunlight or extremely hot environments.
- If the battery becomes hot during charging, immediately disconnect it and allow it to cool in a safe, non-flammable area.

6. OPERATION AND USAGE

Once installed and charged, the battery is ready for use with your HS110D or HS110G drone. Always ensure the battery is fully charged before each flight for optimal performance and flight time. Avoid completely draining the battery during flight, as this can reduce its lifespan. It is recommended to land the drone when the battery indicator shows low power.

7. MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the life of your battery:

- **Cleaning:** Keep battery contacts clean and free from dust or debris. Use a dry, soft cloth for cleaning.
- **Storage Temperature:** Store the battery in a cool, dry place, ideally between 10°C and 25°C (50°F and 77°F).
- **Long-Term Storage:** For extended storage, charge the battery to approximately 50-60% of its capacity. Do not store fully charged or fully discharged.
- **Avoid Extreme Conditions:** Do not expose the battery to direct sunlight, extreme heat, or freezing temperatures.
- **Regular Inspection:** Periodically inspect the battery for any signs of damage, swelling, or leakage. Discontinue use immediately if any issues are observed.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your battery.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Battery not charging	Incorrect charger; loose connection; damaged battery/charger	Ensure compatible Li-Po charger is used; check connections; inspect battery/charger for damage.
Short flight time	Battery not fully charged; aging battery; cold weather operation	Ensure full charge; consider battery replacement if old; operate in suitable temperatures.
Battery swelling	Overcharging; over-discharging; physical damage; manufacturing defect	Immediately discontinue use and dispose of safely. Do NOT attempt to charge or use a swollen battery.

9. SPECIFICATIONS

Detailed technical specifications for the NORTH STAR 1595 3.7V 1500mAh Lithium Battery:

Feature	Detail
Model Number	903462
Battery Type	Lithium Polymer (Li-Po)
Voltage	3.7V
Capacity	1500mAh
Energy	5.55Wh
Single Product Weight	45g (1.59 oz)
Package Dimensions	4.41 x 2.76 x 1.38 inches
Manufacturer	NORTH STAR 1595



Image: Side profile of the battery, illustrating its physical dimensions.

10. BATTERY DISPOSAL

Lithium Polymer batteries require special disposal procedures. Do not dispose of batteries in household waste. Always follow local regulations for the recycling or disposal of Li-Po batteries. Many electronics retailers and recycling centers offer battery recycling services.

11. SUPPORT

For further assistance or inquiries regarding your NORTH STAR 1595 3.7V 1500mAh Lithium Battery, please contact the manufacturer or your point of purchase. Ensure you have your product model number (903462) available when seeking support.