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HAIBOXING T2119

HAIBOXING 7.4V 1600mAh Li-Po Battery (Model T2119)

Official Instruction Manual

Brand: HAIBOXING | Model: T2119

INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your HAIBOXING 7.4V 1600mAh Soft Pack Li-Po Battery, Model T2119. This battery is designed as an original spare part, 100% applicable for HAIBOXING 1/12 Scale RC Cars including models HBX 2995, 905, 903, and 903A. Please read this manual thoroughly before use to ensure optimal performance and safety.

SAFETY INFORMATION

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

- **Charging:** Always use a Li-Po compatible charger. Never leave charging batteries unattended. Charge on a non-flammable surface away from flammable materials.
- **Storage:** Store Li-Po batteries in a cool, dry place, away from direct sunlight and extreme temperatures. Do not store fully charged or fully discharged for extended periods.
- **Handling:** Do not puncture, drop, short-circuit, or disassemble the battery. If the battery swells, leaks, or shows any signs of damage, discontinue use immediately and dispose of it properly.
- **Disposal:** Dispose of damaged or depleted Li-Po batteries according to local regulations. Never dispose of them in regular household waste.
- **Children:** Keep batteries out of reach of children.

PACKAGE CONTENTS

Your package should contain the following items:

- 1 x HAIBOXING 7.4V 1600mAh Soft Pack Li-po Battery (Model T2119)



Image: HAIBOXING 7.4V 1600mAh Li-Po Battery (Model T2119)

COMPATIBILITY

This 7.4V 1600mAh Soft Pack Li-po Battery (T2119) is 100% applicable and compatible with the following HAIBOXING 1/12 Scale RC Car models:

- HBX 2995
- HBX 905
- HBX 903
- HBX 903A

BATTERY INSTALLATION

Follow these steps to safely install or replace the battery in your compatible HAIBOXING RC car:

1. **Remove the RC Car Shell:** Locate the four small cotter pins (or similar fasteners) securing the RC car's outer shell. Carefully remove these pins and lift the shell off to expose the internal components.
2. **Locate the Battery Compartment:** The battery is typically secured within a compartment or with Velcro straps.

- Disconnect Old Battery (if applicable):** If replacing an old battery, carefully disconnect its power connector from the RC car's electronic speed controller (ESC).
- Insert New Battery:** Place the new 7.4V 1600mAh Li-Po battery into the battery compartment. Ensure it fits snugly and is secured, often with Velcro straps, to prevent movement during operation.
- Connect Battery:** Connect the battery's power connector to the corresponding port on the RC car's ESC. Ensure the connection is firm and correct polarity is observed (red to red, black to black).
- Reattach the RC Car Shell:** Carefully align the shell back onto the chassis and secure it with the four cotter pins. Ensure all pins are fully inserted to prevent the shell from detaching during use.



SPARE PARTS

Image: Example of RC car internal components, including battery area.

CHARGING THE BATTERY

To charge your HAIBOXING 7.4V 1600mAh Li-Po Battery, follow these general guidelines:

- Use only a charger specifically designed for 7.4V (2S) Li-Po batteries. Using an incompatible charger can cause severe damage or fire.
- Connect the battery's balance lead to the balance port on your charger, and the main power lead to the charger's output port.
- Set the charger to the correct battery type (Li-Po) and voltage (7.4V or 2S).
- Set the charging current. For a 1600mAh battery, a common safe charging rate is 1C, which means 1.6 Amps. Refer to your charger's manual for specific instructions.
- Monitor the battery during the entire charging process. Disconnect immediately if you notice any swelling, overheating, or unusual behavior.
- Once charging is complete, disconnect the battery from the charger.

OPERATING GUIDELINES

Once the battery is fully charged and correctly installed in your HAIBOXING RC car, you are ready to operate. Ensure your remote control is also powered on and properly linked to the RC car.

- **Power On:** Turn on the RC car's power switch, usually located near the battery compartment or ESC.
- **Throttle Control:** Use the remote control's throttle trigger to control forward and reverse movement.
- **Steering Control:** Use the steering wheel on the remote control to direct the RC car left or right.
- **Speed Settings:** Some RC car models and remote controls offer adjustable speed settings (e.g., 70% or 100% speed). Adjust as needed for your skill level and operating environment.
- **Run Time:** A fully charged 1600mAh battery typically provides approximately 25-40 minutes of run time, depending on driving style and terrain.
- **Low Voltage Cutoff:** Most modern RC cars have a low voltage cutoff (LVC) feature to protect Li-Po

batteries from over-discharge. When the car slows down significantly or stops, it indicates the battery is low and needs recharging.

MAINTENANCE AND STORAGE

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

- **Cleaning:** After use, gently clean any dirt or debris from the battery and its connectors.
- **Inspection:** Regularly inspect the battery for any signs of damage, such as swelling, punctures, or frayed wires.
- **Storage Voltage:** For long-term storage, charge or discharge the battery to its storage voltage (typically 3.8V per cell). Do not store fully charged or fully discharged.
- **Temperature:** Store in a cool, dry environment (around 15-25°C or 59-77°F).

TROUBLESHOOTING

If you encounter issues with your battery, consider the following:

- **Battery Not Charging:**
 - Ensure the charger is correctly connected and set for Li-Po 2S (7.4V) battery type.
 - Check for damaged battery leads or charger connections.
- **Short Run Time:**
 - Ensure the battery is fully charged before use.
 - Driving aggressively or on challenging terrain can reduce run time.
 - Battery may be aging or damaged; consider replacement if performance significantly degrades.
- **Battery Swelling/Overheating:**
 - **Immediately discontinue use and charging.** This indicates a damaged or faulty battery.
 - Dispose of the battery safely according to local regulations.

SPECIFICATIONS

Item Name	7.4V 1600mAh Soft Pack Li-po Battery
Model Number	T2119
Brand	HAIBOXING
Battery Cell Composition	Lithium Polymer
Battery Capacity	1600 Milliampere Hour (mAh)
Voltage	7.4V
Item Weight	2.47 ounces
Package Dimensions	3.3 x 1.7 x 1 inches
Recommended Uses	Remote Control Vehicle

WARRANTY AND SUPPORT

For warranty information, technical support, or inquiries regarding your HAIBOXING 7.4V 1600mAh Li-Po Battery, please refer to the official HAIBOXING website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.