

ScharkSpark NWT118

ScharkSpark NWT118 Brushless RC Truck User Manual

MODEL: NWT118

Brand: ScharkSpark

1. INTRODUCTION

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your ScharkSpark NWT118 Brushless RC Truck. Please read this manual thoroughly before operating the vehicle to ensure proper function and longevity.



Image 1.1: The ScharkSpark NWT118 Brushless RC Truck with its remote control and packaging.

Safety Warning:

- This product is recommended for users aged 14 years and up.
- Always operate the RC truck in open areas, away from people, pets, and obstacles.
- Do not operate near water or in wet conditions unless specifically designed for it, to prevent damage to electronic components.
- Ensure all batteries are correctly installed and charged before use.

2. WHAT'S IN THE BOX

Carefully unpack your ScharkSpark NWT118 Brushless RC Truck and verify that all components listed below are present:

- 1 x RC Car
- 1 x 2.4GHz Transmitter (Remote Control)
- 2 x 7.4V 1500mAh Li-ion Batteries
- 1 x Charging Cable
- 1 x Product Manual (this document)
- 1 x Screwdriver

- 4 x Body Clips
- 1 x Wrench
- 1 x Tail Wheelie Kit
- 4 x Shock Absorber Clasps

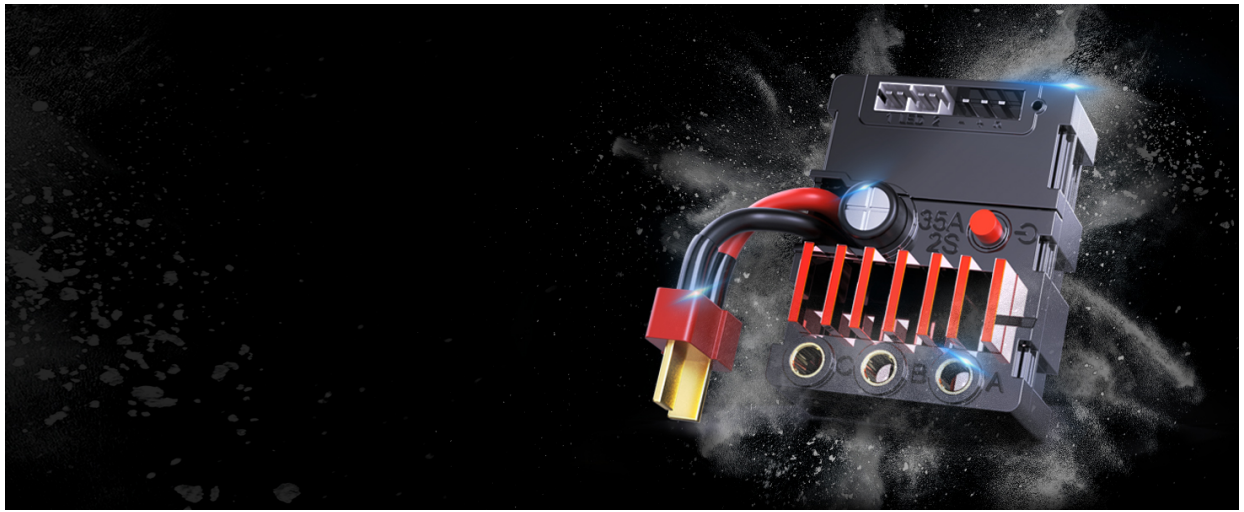


Image 2.1: All components included in the product packaging.

3. COMPONENTS OVERVIEW

The ScharkSpark NWT118 features a robust design with high-performance components for an enhanced driving experience.

3.1 RC Truck Chassis

The professional-grade chassis integrates key electronic and mechanical parts for optimal performance and durability.

RC PROFESSIONAL-GRADE CHASSIS



Image 3.1: Overview of the RC truck's internal components, including the brushless ESC, brushless motor, three-line servo, Li-ion battery, and all-terrain tires.

3.2 Hard Core Structure

The truck is built with durable metal components to withstand various driving conditions.



Image 3.2: Detailed view of the truck's robust internal structure, highlighting durable shock absorbers, metal dog bones, metal drive shafts, and metal differentials.

3.3 Remote Control (Transmitter)

The 2.4GHz transmitter provides precise control over the RC truck, featuring various adjustment options.



Image 3.3: Diagram illustrating the functions of the 2.4GHz radio control, including speed three gear switch, steering wheel, throttle trigger, steering trim, steering angle rudder amount limit, steering reverse switch, and power switch.

4. SETUP INSTRUCTIONS

4.1 Battery Installation and Charging

1. **RC Car Battery:** Open the battery compartment on the RC truck. Insert one of the provided 7.4V 1500mAh Li-ion batteries, ensuring correct polarity. Secure the battery and close the compartment.
2. **Transmitter Batteries:** The transmitter requires 3 AA batteries (not included). Open the battery compartment on the back of the transmitter, insert the batteries with correct polarity, and close the compartment.
3. **Charging:** Connect the provided charging cable to the 7.4V 1500mAh Li-ion battery and a suitable USB power adapter (not included). The charging indicator will show the charging status. A full charge typically takes 3-4 hours. Do not overcharge.



Image 4.1: The two 7.4V 1500mAh rechargeable batteries included with the RC truck, providing over 50 minutes of running time.

4.2 Pairing the Transmitter with the RC Car

1. Ensure both the RC car and the transmitter have charged batteries installed.
2. Turn on the RC car first, then turn on the transmitter.
3. The transmitter and car should automatically pair. If not, press the pairing button on the ESC (Electronic Speed Controller) of the RC car. The indicator lights will confirm a successful connection.

5. OPERATING INSTRUCTIONS

5.1 Basic Controls

- **Throttle Trigger:** Pull the trigger to move forward. Push the trigger to brake or reverse.
- **Steering Wheel:** Turn the wheel left or right to steer the RC car.

5.2 Speed Adjustment

The transmitter features a 3-speed mode switch. It is recommended to start with a medium-low speed setting, especially for beginners, to familiarize yourself with the vehicle's handling.

5.3 Driving on Various Terrains

The ScharkSpark NWT118 is designed for all-terrain use, including mud, snow, sand, grass, and rough trails. Its non-slip vacuum tires provide excellent grip.



Image 5.1: The ScharkSpark NWT118 RC Truck demonstrating its capability on diverse terrains, including dirt, water, snow,

and grass.



Image 5.2: The RC truck in motion, illustrating its high-speed capability of up to 70 KPH.

5.4 Important Operating Tips

- Avoid prolonged operation in tall grass, as this can cause the motor to overheat.
- While the ESC is waterproof, avoid submerging the entire vehicle in water.
- Do not attempt to jump the RC truck from excessive heights, as this can damage suspension components.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your RC truck.

6.1 Cleaning

- After each use, especially in dirty or dusty conditions, clean the vehicle to remove debris.
- Use a soft brush or compressed air to clean hard-to-reach areas.
- Wipe down the body with a damp cloth. Avoid using harsh chemicals.

6.2 Battery Care and Storage

- Always disconnect batteries from the RC car when not in use.
- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not store fully charged or completely depleted batteries for extended periods. Charge them to approximately 50% for long-term storage.

6.3 Component Inspection

Periodically inspect the following components for wear, damage, or loose connections:

- **Gears:** Check for dirt, debris, or signs of wear on the motor pinion and spur gear.
- **Differentials:** Ensure smooth operation and check for any unusual noises.
- **Shock Absorbers:** Inspect for leaks or damage.
- **Tires:** Check for cuts, punctures, or excessive wear.
- **Wiring:** Ensure all wires and connectors are secure and undamaged.



Image 6.1: View of the RC truck's metal structure, highlighting the durable internal components.

Q & A >>>>	
The vehicle stop working after a period of use	Please fully charge the battery pack before each use. (The battery of a new RC car may be insufficiently charged, which will trigger the low voltage protection and lead to inoperation.) 1) Check to ensure that the transmitter and car are connected. 2) Check for damaged parts/wires/connectors and repair or replace if necessary. 3) Car battery is flat. Charge the battery pack.
The vehicle works but steering does not	1)Check if the steering gear feels stuck, if so, try to center it gently. 2)Check if the servo linkage is loose or if the servo is faulty. Repair or replace if possible. 3)Adjust the "Steering Trim" to check whether the tires can be steered when the tire angle changes.
The steering works, but the vehicle won't run	1)Check the entire transmission system for damaged parts. 2)Check the battery level of the transmitter and the car.
Incapable of connection	1)Check the battery level of the transmitter and the car. 2)Check to be within signal transmission distance. 3)If the problem persists, contact the after-sales service.

Image 6.2: Detailed image of a shock absorber, a key component for suspension.



Image 6.3: Close-up view of the RC truck's all-terrain tires.

7. TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Solution
The vehicle stops working after a period of use	<ol style="list-style-type: none">1. Check to ensure that the transmitter and car are connected.2. Check for damaged parts/wires/connectors and repair or replace if necessary.3. Car battery is flat. Charge the battery pack.
The vehicle works but steering does not	<ol style="list-style-type: none">1. Check if the steering gear feels stuck; if so, try to center it gently.2. Check if the servo linkage is loose or if the servo is faulty. Repair or replace if possible.3. Adjust the "Steering Trim" to check whether the tires can be steered when the tire angle changes.
The steering works, but the vehicle won't run	<ol style="list-style-type: none">1. Check the entire transmission system for damaged parts.2. Check the battery level of the transmitter and the car.
Incapable of connection	<ol style="list-style-type: none">1. Check the battery level of the transmitter and the car.2. Check to be within signal transmission distance.3. If the problem persists, contact after-sales service.

Problem	Solution
The vehicle is moving slowly	<ol style="list-style-type: none"> 1. Car battery is flat. Charge the battery pack. 2. Check that the gears of the vehicle are correct, and no gears are found to be dirty or fall off. 3. Check the gear mesh of the motor pinion and spur gear. 4. Check the moving parts for problems and clean them up immediately.
The vehicle runs noisily	<ol style="list-style-type: none"> 1. Check the gear mesh between the spur gear and motor pinion. 2. Check the gears for wear and/or dirt. 3. Check the entire transmission system for any damage to any part.
The vehicle turns differently in the two directions	Please adjust the steering trim until the steering center point is fixed.
The battery cannot be charged	Check if the charger or battery is damaged, or if the battery is over-discharged.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	12 x 4.5 x 9 inches
Item Weight	4.09 pounds
Item Model Number	NWT118
Manufacturer Recommended Age	14 years and up
Batteries	2 Lithium Ion batteries required (included)
Motor Type	Brushless (4000kv 2847)
Top Speed (with 2S battery)	70 km/h
Top Speed (with 3S battery, not included)	90 km/h
Runtime	50+ minutes (with 2 included batteries)
Remote Control Frequency	2.4GHz
Control Range	Up to 394 feet

9. WARRANTY AND SUPPORT

If you encounter any issues with your ScharkSpark NWT118 Brushless RC Truck, please do not hesitate to contact our customer service team. We are committed to providing support and assistance for any product-related concerns.

For assistance, please refer to the contact information provided on the product packaging or the official

