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› Hosim Brushless RC Car X07 User Manual

Hosim X07

Hosim Brushless RC Car X07 User Manual

Model: X07 | Brand: Hosim | 1:10 Scale High-Speed Remote Control Car

INTRODUCTION

Welcome to the user manual for your Hosim Brushless RC Car, Model X07. This 1:10 scale, 4X4 all-terrain remote control vehicle is engineered for high-speed performance and durability. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your RC car to ensure a safe and enjoyable experience.



Image: The Hosim Brushless RC Car X07, showcasing the vehicle, remote control, brushless motor, ESC, two 2600mAh batteries, and a differential component.

WHAT'S IN THE BOX

Upon opening your package, please verify that all the following components are present:

- Hosim Brushless RC Car X07 (1:10 Scale)
- 2.4GHz Remote Control Transmitter
- 2x 7.4V 2600mAh Lithium Ion Batteries
- 1x Battery Charger
- User Manual (this document)
- Additional accessories and tools (e.g., spare parts, wrench, screwdriver)

KEY PRODUCT FEATURES

The Hosim Brushless RC Car X07 incorporates several advanced features and recent upgrades for enhanced performance and durability:

NEW UPGRADES

UPGRADES

2600
7.4V 25C 1G
HOSIM

HARD SHELL DESIGN FOR MORE SAFETY

UPGRADES

6KG
HOSIM
WWW.HOSIM.COM
US@HOSIM.COM
MADE IN CHINA

6KG METAL GEAR SERVO WITH METAL SERVO SWING ARM

UPGRADES

3KG
HOSIM
WWW.HOSIM.COM
US@HOSIM.COM
MADE IN CHINA

UPGRADES

CHROME STEEL, HELICAL GEAR MORE DURABLE

UPGRADES

UPDATED SOFTWARE PROGRAM, ENHANCED HEAT DISSIPATION FUNCTION

UPGRADES

METAL PULL RODS, THICKENED, NOT EASY TO BREAK

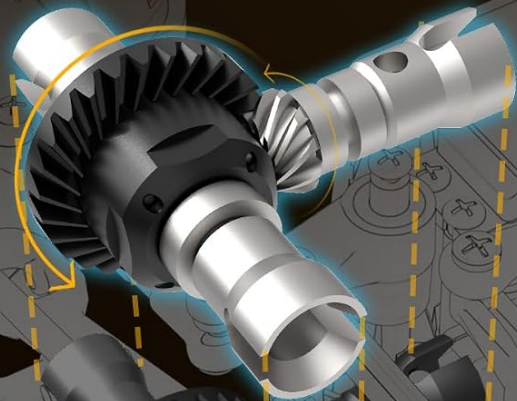
ACCESSORY UPGRADES

Image: An overview of the recent upgrades to the Hosim RC Car, highlighting improvements such as the 6KG metal gear servo, chrome steel helical differential, updated software for enhanced heat dissipation, and thickened metal pull rods.

1. Optimized Helical Gear Differential

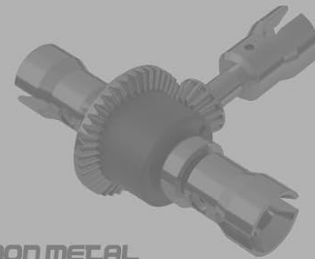
NEWLY UPGRADED HELICAL GEAR DIFFERENTIAL

- ALWAYS SKIDDING AROUND CORNERS?
- SWEEPING TEETH ON HARD ACCELERATION?



**HELICAL GEAR
DIFFERENTIAL**

- **HELICAL TOOTH MESH REDUCES FRICTION AND POWER LOSS TO NEAR ZERO**
- **DECENTRALIZATION OF FORCES ON HELICAL GEARS, 40% REDUCTION OF STRESS AT THE ROOT OF GEARS**
- **MORE LINEAR TORQUE DISTRIBUTION DURING CORNERING, +50% DRIFT ATTITUDE CONTROL**



**COMMON METAL
DIFFERENTIAL**

- **LAGGING ON HARD ACCELERATION**
- **WEAR AND OIL LEAKS CAN OCCUR**
- **SLIGHT TORQUE FLUCTUATIONS IN EXTREME CORNERING**

Image: A detailed diagram illustrating the internal structure and benefits of the newly upgraded helical gear differential compared to a common metal differential.

The differential has been upgraded to a helical tooth design. This design reduces friction and noise through beveled contact surfaces, leading to smoother operation, extended service life, and improved power transmission efficiency. Helical gears are stronger and can withstand greater loads, enhancing durability. The differential material is 40cr chrome steel for increased wear resistance.

2. High-Performance Brushless Motor and ESC

x01
2847 3300KV BRUSHLESS MOTOR
POWERFUL ACCELERATION & HIGH SPEEDS

Less friction, less wear and longer life!

HOSIM

HOSIM high – capacity battery *2

+75%

Battery Type	Capacity	Percentage
HOSIM	7.4V 25c 2600mah	88%
OTHER	7.4V 15c 1050mah	45%

Power metallurgical materials, long-lasting performance & reliability.

HYDRAULIC DESIGN

HYDRAULIC DESIGN ENSURES CONSISTENT DAMPING PERFORMANCE

Image: Visual representation of the 2847 brushless motor, high-capacity battery, and the hydraulic design of the shock absorbers.

Equipped with a powerful 2847 brushless motor, the RC car can achieve speeds exceeding 68 KMH (40 MPH). A built-in 45A brushless Electronic Speed Controller (ESC) is precision-engineered for maximum energy conversion, supporting 3S 11.1V batteries (compatible with 7.4V-11.1V batteries).

3. Extended Runtime Batteries

SUPERPOWER BATTERY

RIGID PACKAGING HIGH PERFORMANCE BATTERY



VS



SAY GOODBYE TO FREQUENT CHARGING AND
HAVE MORE FUN!



Image: A comparison graphic highlighting the superior performance, playing time, capacity, and speed of Hosim's rigid packaging high-performance battery (2x 7.4V 2600mAh) against other batteries.

The package includes two 7.4V 2600mAH batteries, providing up to 40 minutes of runtime. This allows for extended play sessions without frequent recharging.

4. Upgraded Oil-Filled Shocks and Suspension

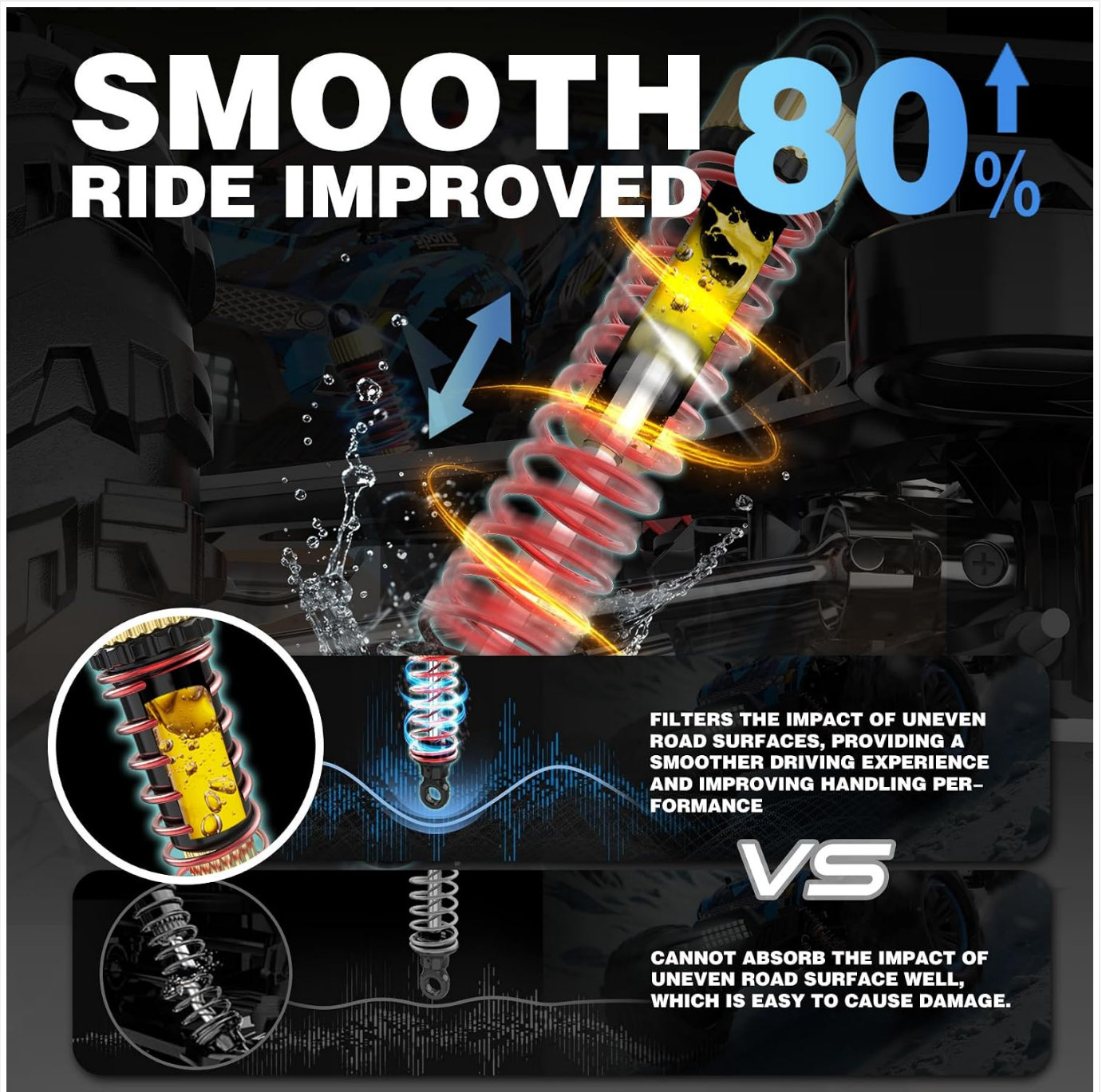


Image: An illustration demonstrating how oil-filled shocks filter impacts from uneven surfaces, leading to an 80% improvement in ride smoothness compared to standard springs.

Four aluminum oil-filled shocks and heavy-duty wheels enable the RC car to handle various terrains, including sand, desert, rock climbing (up to 45°), puddles, and grass. The independent suspension springs enhance flexibility and provide shock absorption to protect internal electronic components. Off-road rubber tires, made from high-quality PVC, offer elasticity and adaptability to different road conditions.

5. 6KG Upgraded Servo and Flexible Construction

UNIQUE DESIGN

Makes It Run Faster And Longer



Image: An exploded view diagram of the RC car, highlighting key components such as the wheelie bar, 2847 brushless motor, 45A brushless ESC, upgraded metal servo arm, 6KG digital high torque servo, LED light, all-terrain tires, and oil-filled shocks.

The waterproof 4WD RC car features a 6KG servo, complementing its reliable drive system. The flexible construction, including independent suspension, ensures durability and protection for electronic parts.

6. Two Speed Modes

The 2.4GHz remote control offers two speed modes: full speed (68km/H) and half speed (34km/H), allowing users to adjust the vehicle's performance based on skill level or terrain.

SETUP GUIDE

Follow these steps to prepare your Hosim RC Car for its first use:

1. Charging the Batteries

1. Connect the provided charger to a power outlet.

2. Connect the 7.4V 2600mAH Lithium Ion batteries to the charger.
3. Allow the batteries to charge fully. Refer to the charger's indicator lights for charging status.
4. **Caution:** Always supervise batteries during charging. Disconnect once fully charged.

2. Installing Vehicle Batteries

1. Remove the body shell of the RC car.
2. Carefully place the charged batteries into the designated battery compartments.
3. Connect the battery connectors to the ESC. Ensure correct polarity.
4. Secure the batteries using the provided straps or clips.
5. Replace the body shell.

3. Preparing the Remote Control



Image: The 2.4GHz remote control transmitter, with labels for its various functions including steering wheel, trigger, power switch, speed switch, and trim adjustments.

1. Install 4x AA batteries (not included) into the remote control's battery compartment.
2. Turn on the remote control using the Power Switch.
3. Turn on the RC car. The remote and car should automatically pair. If not, refer to the troubleshooting section for pairing instructions.

OPERATING INSTRUCTIONS

Familiarize yourself with the remote control functions and driving techniques for optimal performance.

1. Remote Control Functions

- **Steering Wheel:** Controls left and right direction.
- **Trigger:** Pull to accelerate forward, push to brake/reverse.
- **Speed Switch:** Toggles between full speed (68 KMH) and half speed (34 KMH).
- **FR.TRIM (Steering Trim):** Adjusts the steering to ensure the car drives straight when the steering wheel is centered.
- **PCT.TRIM (Throttle Trim):** Adjusts the neutral point of the throttle.
- **Power Switch:** Turns the remote control on/off.

2. Driving Tips

- **Starting:** Gently pull the trigger to accelerate. Rapid acceleration can cause the car to flip, especially at full speed.
- **Steering:** Turn the steering wheel gradually. Sharp turns at high speeds may cause the car to roll over.
- **Braking/Reversing:** Push the trigger forward to apply brakes. Push again to engage reverse.
- **Speed Modes:** Use half speed mode for beginners or in confined spaces. Switch to full speed for open areas and experienced driving.
- **Terrain:** The car is designed for all-terrain use, but avoid deep water or extremely rough surfaces that could damage components.

MAINTENANCE

Regular maintenance ensures the longevity and performance of your RC car.

- **Cleaning:** After each use, especially in dirty or wet conditions, clean the car to remove dirt, dust, and debris. Use a soft brush or compressed air. Avoid using water directly on electronic components.
- **Inspecting Components:** Regularly check for loose screws, damaged parts (e.g., suspension arms, tires, body shell), and worn gears. Replace damaged parts promptly.
- **Lubrication:** Periodically check and lubricate moving parts such as universal joints and differential gears with appropriate RC-grade lubricant.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. Disconnect batteries from the car when not in use.
- **Shock Absorbers:** Inspect oil-filled shocks for leaks and proper damping. Refill or replace shock oil as needed.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Hosim RC Car.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Car does not respond to remote.	• Low battery in car or remote. • Car and remote not paired. • Power switches off.	• Charge/replace batteries. • Turn on car, then remote. If still not paired, turn both off, then turn on remote first, then car. • Ensure both car and remote power switches are ON.
Car drives crooked.	• Steering trim needs adjustment. • Damaged steering components.	• Adjust the FR.TRIM knob on the remote until the car drives straight. • Inspect steering linkages and servo for damage. Replace if necessary.
Reduced speed or power.	• Low battery charge. • Motor/ESC overheating. • Debris in drivetrain.	• Recharge car batteries. • Allow components to cool down. Avoid continuous high-stress operation. • Clean the drivetrain and check for obstructions.
Car flips easily.	• Aggressive steering/acceleration. • High center of gravity.	• Practice smoother control inputs. Use half speed mode. • Consider adjusting suspension settings if possible (check advanced guides).

SPECIFICATIONS

Feature	Detail
Model	X07
Scale	1:10
Motor	2847 Brushless Motor
ESC	45A Brushless ESC
Max Speed	68+ KMH (40+ MPH)
Batteries	2x 7.4V 2600mAH Lithium Ion (included)
Runtime	Up to 40 minutes
Remote Control Frequency	2.4GHz
Remote Control Range	Up to 80m / 262 ft
Product Dimensions	15.75 x 11.8 x 5.9 inches
Item Weight	6 pounds
Recommended Age	14 years and up
Waterproof Rating	IPX4 (Splash-proof)

SAFETY INFORMATION

Adhere to the following safety guidelines to prevent injury or damage:

- Operate the RC car in open areas, away from people, pets, and obstacles.
- Do not operate near public roads, busy streets, or in crowded environments.
- Keep hands, hair, and loose clothing away from moving parts (wheels, gears, motor).
- Always turn off the RC car and remote control when not in use.
- Disconnect batteries from the car when storing or transporting.
- Do not touch the motor or ESC immediately after use, as they may be hot.
- Ensure children operate the RC car under adult supervision.
- Do not modify the RC car's electronic components or motor, as this may void the warranty and cause malfunction.
- Avoid operating in extreme weather conditions (heavy rain, snow, strong winds). While the car is IPX4 splash-proof, it is not fully submersible.

WARRANTY AND SUPPORT

Hosim provides a **one-year warranty** for the RC Car X07, covering manufacturing defects from the date of purchase. For technical assistance, parts replacement, or warranty claims, please contact Hosim customer support. Contact information can typically be found on the product packaging or the official Hosim website.

Hosim offers local support in various regions, including the US, to assist with any product-related inquiries.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question