

## Womaqu HS14412

# Womaqu 1/14 Brushless RC Car Instruction Manual

Model: HS14412

## INTRODUCTION

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This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Womaqu 1/14 Brushless RC Car. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

## SAFETY INFORMATION

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**Warning: Keep away from fire. Failure to follow safety guidelines can result in injury or damage to the product.**

- Always operate the RC car in open areas, away from people, pets, and obstacles.
- Ensure batteries are charged correctly and handled with care.
- Do not modify the RC car or its components, as this may void the warranty and create safety hazards.
- Supervise children during operation. Recommended age for use is 14 years and up.

## WHAT'S IN THE BOX

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Upon unboxing, verify that all components listed below are present:

- RC car (1)
- Remote controller (1)
- 7.4V 1500 mAh lithium battery (2)
- USB charging cable (1)
- Screwdriver (1)
- Cross wrench (1)
- Instruction manual (1)
- Fixed clips (4)



Image: The Womaqu 1/14 Brushless RC Car, remote controller, two 7.4V 1500mAh batteries, spare shocks, brushless motor, and metal drivetrain components.

## SETUP

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### 1. Charging the RC Car Batteries

1. Connect the provided USB charging cable to a compatible USB power source (e.g., computer, wall adapter).
2. Connect the modular 7.4V 1500mAh lithium battery to the charging cable.
3. Allow the battery to charge fully. Refer to the charger's indicator light for charging status.
4. Always disconnect the battery once fully charged to prevent overcharging.

# 7.4V / 1500 mAh

## High-Power Batteries



Image: The RC car shown with two 7.4V 1500mAh modular lithium batteries, indicating approximately 40 minutes of runtime.

## 2. Installing RC Car Batteries

1. Ensure the RC car is powered off.
2. Locate the battery compartment on the RC car.
3. Carefully insert a fully charged 7.4V 1500mAh modular lithium battery into the compartment.
4. Secure the battery compartment cover.

## 3. Installing Remote Controller Batteries

1. Open the battery compartment on the remote controller.
2. Insert AA batteries (not included, but required for operation) according to the polarity markings.
3. Close the battery compartment.

## 4. Powering On and Binding

1. Turn on the remote controller first.
2. Then, turn on the RC car.

3. The remote controller and RC car should automatically bind. If not, refer to the troubleshooting section or the quick start guide included in the box.

## OPERATING YOUR RC CAR

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### Basic Controls

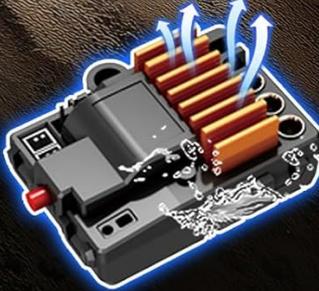
- **Throttle Trigger:** Pull to accelerate forward, push to brake/reverse.
- **Steering Wheel:** Turn left or right to steer the vehicle. The high torque steering servo reacts in real time for precise control.

### Speed and Performance

Your Womaqu RC car is equipped with a powerful 2847 4000KV brushless motor and a 45A waterproof ESC, supporting 7.4V-11.1V batteries.

- With the included two 7.4V 2S 1500mAh modular lithium batteries, the car can reach speeds up to **32+ mph (52 kph)**.
- For enhanced speed, an optional upgrade to a 3S 11.1V battery kit (sold separately) can increase the top speed to **42+ mph (68 kph)**.

**52 kph with 2S LiPo**  
**68 kph with 3S LiPo ( 3S Not Included )**



**Independent  
Splash Proof  
45A ESCG  
Receiver**



**Brushless  
Motor  
2847  
Superior  
4000KV**

Image: The RC car in motion, highlighting its speed capabilities: 52 kph with 2S LiPo and 68 kph with 3S LiPo (3S not included).

### **All-Terrain Capabilities**

The 4x4 drivetrain and robust design allow the RC car to conquer diverse terrains. Hydraulic metal shock absorbers filter out bumps, providing stable performance even during jumps.



Image: The RC car depicted on different surfaces, illustrating its versatility as an all-terrain vehicle in 1/14 scale 4WD.



Image: The RC car airborne after launching from a ramp, demonstrating the effectiveness of its adjustable oil-filled shocks in absorbing impacts.

## Night Driving

Six integrated LED lights on the roof and bumper enhance visibility, allowing for operation in low-light conditions.

## MAINTENANCE

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### Cleaning

- After each use, especially in dirty or wet conditions, clean the RC car to remove dirt, dust, and debris.
- Use a soft brush or compressed air for hard-to-reach areas.
- Avoid using water directly on electronic components.

### Battery Care

- Store batteries in a cool, dry place when not in use.
- Do not store fully charged or completely discharged batteries for extended periods. Aim for a storage charge of

approximately 50%.

- Inspect batteries for any signs of damage before and after each use.

## Drivetrain and Shock Absorber Inspection

The RC car features a full-metal drivetrain and hydraulic metal shock absorbers for durability.



Image: An exploded view diagram illustrating the high-strength metal drive system, including metal CVDs, drive shaft, dual metal differential, and metal spur/main pinion.

- Regularly inspect the metal medium drive shaft, metal gears, and differentials for wear or damage.
- Check the hydraulic metal shock absorbers for leaks or reduced damping performance.
- Ensure all screws and fasteners are tight.

## Replacement Parts

All replacement parts are available for purchase directly from the Womaqu store, ensuring convenience and peace of mind for long-term use.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
RC Car does not power on	Battery not charged or incorrectly installed; Power switch off	Charge battery fully; Ensure battery is correctly installed; Turn on power switch
No response from remote controller	Remote controller batteries low or incorrectly installed; Not bound to car	Replace/install AA batteries correctly; Follow binding procedure (turn on remote first, then car)
Reduced speed or short run time	Battery not fully charged; Battery degradation; Motor/drivetrain issues	Charge battery fully; Consider replacing old batteries; Inspect motor/drivetrain for obstructions or damage
Car pulls to one side	Steering trim not adjusted; Damaged steering components	Adjust steering trim on remote controller; Inspect steering servo and linkages

## SPECIFICATIONS

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- **Model Number:** HS14412
- **Product Dimensions:** 13 x 9.5 x 4.8 inches
- **Item Weight:** 4 pounds
- **Scale:** 1/14
- **Drive System:** 4WD (Four-Wheel Drive)
- **Motor:** 2847 4000KV Brushless Motor
- **ESC:** 45A Waterproof Brushless ESC (supports 7.4V-11.1V batteries)
- **Batteries (Included):** Two 7.4V 1500mAh Modular Lithium Batteries
- **Remote Controller Batteries:** AA batteries (required, not included)
- **Top Speed (with 2S LiPo):** 32+ mph (52 kph)
- **Top Speed (with 3S LiPo, optional):** 42+ mph (68 kph)
- **Shock Absorbers:** Hydraulic Metal Oil-Filled Shocks
- **Recommended Age:** 14 years and up
- **Remote Control Frequency:** 2.4GHz
- **Remote Control Range:** Approximately 300 feet



Image: The RC car displaying its dimensions (12.99 in length, 9.75 in width, 6.24 in height) and remote control specifications (2.4GHz frequency, 300ft range).

## WARRANTY AND SUPPORT

While specific warranty details are not provided in this manual, Womaqu is committed to customer satisfaction. For any issues, questions, or to purchase replacement parts, please contact Womaqu customer support through the retailer where the product was purchased or visit the official Womaqu store online. All replacement parts are available directly from our store.