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Womaqu HS14322

Womaqu 1:14 All-Terrain RC Car Instruction Manual

Model: HS14322

1. INTRODUCTION

Thank you for choosing the Womaqu 1:14 All-Terrain RC Car, Model HS14322. This high-performance remote control vehicle is designed for speed and durability across various terrains. Please read this manual thoroughly before operating your RC car to ensure safe and optimal performance. Keep this manual for future reference.



Figure 1: Womaqu 1:14 All-Terrain RC Car and included accessories.

2. SETUP

2.1 Unboxing and Components

Carefully unpack all items from the box. Ensure all components are present before proceeding.



Figure 2: Package contents including the RC truck, USB charger, body shell, automobile tail, instruction manual, transmitter, screwdriver, fixed clips, and two 7.4V 1300mAh rechargeable batteries.

The package should contain:

- 1 x RC Truck
- 1 x USB Charger
- 1 x Body Shell
- 1 x Automobile Tail
- 1 x Instruction Manual
- 1 x Transmitter (Remote Control)
- 1 x Screwdriver
- 4 x Fixed Clips
- 2 x 7.4V 1300mAh Rechargeable Batteries

2.2 Charging the Vehicle Battery

1. Connect the 7.4V 1300mAh lithium battery to the provided USB charger.
2. Plug the USB charger into a compatible USB power source (e.g., computer USB port, USB wall adapter).
3. The charging indicator light on the USB charger will illuminate during charging.
4. Once fully charged, the indicator light may change color or turn off (refer to charger specific instructions if available). Charging typically takes 3-4 hours.
5. **Important:** Always supervise charging and disconnect the battery once fully charged. Do not overcharge.

2.3 Battery Installation (Vehicle)

1. Locate the battery compartment on the underside of the RC car.
2. Open the battery compartment cover.
3. Insert a fully charged 7.4V 1300mAh lithium battery into the compartment.
4. Connect the battery connector to the vehicle's power port.
5. Securely close the battery compartment cover.

2.4 Battery Installation (Transmitter)

1. Locate the battery compartment on the back of the remote control (transmitter).
2. Open the battery compartment cover.
3. Insert 2 AAA batteries (not included) into the compartment, ensuring correct polarity (+/-).
4. Close the battery compartment cover.

2.5 Pairing the Remote Control

1. Ensure the vehicle's battery is installed and the power switch on the vehicle is OFF.
2. Turn ON the remote control. The indicator light on the remote will flash.
3. Turn ON the power switch on the RC car.
4. The remote control's indicator light will become solid, indicating successful pairing.
5. If pairing fails, turn off both the vehicle and remote, then repeat steps 2-4.

3. OPERATING INSTRUCTIONS

3.1 Basic Controls

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

- **Steering Trim:** Use the steering trim dial on the remote to adjust the steering if the car does not drive straight when the steering wheel is centered.

3.2 Speed Adjustment

The Womaqu RC car features fully proportional throttle control, allowing for precise speed adjustments. Gently pull the throttle trigger for slower speeds and pull further for maximum acceleration up to 40+ KPH.

3.3 Driving Environment

This 4WD all-terrain RC truck is designed to handle various surfaces, including sand, grass, wilderness, and roads, thanks to its IPX4 waterproof rating and robust tires.



Figure 3: The RC car demonstrating its capability on various terrains including rock, sand, and a race track.

3.4 Safety Guidelines

- Operate the RC car in open areas away from people, pets, and obstacles.
- Avoid operating in wet conditions beyond splash resistance; do not submerge the vehicle.
- Do not touch the motor or battery immediately after use, as they may be hot.
- Always turn off the vehicle and remote control when not in use.

- Keep away from fire.

4. MAINTENANCE

4.1 Cleaning

After each use, especially in dusty or dirty conditions, clean the vehicle. Use a soft brush or cloth to remove dirt and debris. Avoid using water directly on electronic components.

4.2 Battery Care

- Store batteries in a cool, dry place.
- Do not store fully charged or completely discharged batteries for extended periods.
- If the battery will not be used for a long time, charge it to approximately 50% capacity.
- Always use the provided charger.

4.3 Tire Maintenance

The vehicle comes with all-terrain tires. For optimal performance on sandy terrain, dual sand tires can be equipped (if included or purchased separately).



Figure 4: Dual tires equipped to boost performance on sandy terrain.

To remove a tire:



Figure 5: Use the included screwdriver to insert into the hex adapter and remove the tire.

1. Use the included screwdriver.
2. Insert the screwdriver into the hex adapter on the wheel.
3. Turn counter-clockwise to loosen and remove the tire.
4. To reattach, align the tire and tighten clockwise.

4.4 General Inspection

Regularly check for loose screws, damaged parts, or worn tires. Replace any damaged components promptly to maintain performance and safety.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not respond to remote.	Low battery in vehicle or remote; Not paired; Power switches off.	Charge vehicle battery; Replace remote batteries; Ensure both power switches are ON; Re-pair remote and vehicle.

Problem	Possible Cause	Solution
Vehicle runs slowly or has low power.	Low vehicle battery.	Recharge vehicle battery.
Steering is off-center.	Steering trim needs adjustment.	Adjust the steering trim dial on the remote control.
Short control range or interference.	Environmental interference; Low remote battery.	Move to an open area; Replace remote batteries.

6. SPECIFICATIONS

- **Model Number:** HS14322
- **Scale:** 1:14
- **Drive System:** 4WD (Four-Wheel Drive)
- **Motor:** RC390 High Speed Motor
- **Max Speed:** 40+ KPH
- **Control Frequency:** 2.4GHz Anti-Interference
- **Control Range:** Up to 70 meters (229 feet)
- **Vehicle Battery:** 2 x 7.4V 1300mAh Lithium Batteries (included)
- **Playtime:** Approximately 20 minutes per battery (40+ minutes total)
- **Charging Time:** 3-4 hours
- **Transmitter Battery:** 2 x AAA batteries (not included)
- **Waterproof Rating:** IPX4 (Splash-proof)
- **Shock Absorbers:** Metal adjustable coilover shock absorbers
- **Servo:** 1.5KG high-torque waterproof 5-wire servo
- **Dimensions:** 13.18 x 9.44 x 4.72 inches (Product)
- **Weight:** 3.74 pounds
- **Recommended Age:** 8 years and up

1/14 4WD RC MONSTER TRUCK

RC390 HIGH SPEED MOTOR

INDEPENDENT DIFFERENTIAL

FULL-CAR BALL BEARING

MODULAR 7.4V 1300MAH BATTERY

WATERPROOF

HIGH TORSION
STEERING SERVO

HIGH GRIP OFF-ROAD TIRE

ALLOY CARDAN

ADJUSTABLE SOFT AND
HARD SHOCK REDUCTION

Figure 6: Internal view highlighting key components like the RC390 high-speed motor, independent differential, modular battery, high torsion steering servo, alloy cardan, and adjustable shock reduction.



RC390
High Speed Motor

Powerful and efficient power, so that the car has aviolent output and endurance greatly improved.



Figure 7: Illustration of the powerful RC390 High Speed Motor, designed for efficient power output and endurance.



Figure 8: Upgraded metal shock absorbers with adjustable strength for different road conditions.



Figure 9: The waterproof Electronic Speed Controller (ESC) with a new circuit design for high-intensity output.



Figure 10: Illustration of the high torque steering servo and the two 7.4V 1300mAh lithium batteries.

BLACKHOLE



Figure 11: Product dimensions and additional features including LED lighting, anti-skid tires, and an auxiliary wheel.

7. WARRANTY AND SUPPORT

Womaqu is committed to developing advanced racing models and ensuring customer satisfaction. Our products are designed for quality and performance.

If you encounter any issues or have questions regarding your Womaqu RC car, please contact our after-sales support team. We are ready to assist you and ensure you have a satisfactory experience with our products.

For more information or to explore other Womaqu products, please visit the [Womaqu Store](#).