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› BEZGAR HM121 1:12 Scale RC Truck User Manual

## BEZGAR HM121

# BEZGAR HM121 1:12 Scale RC Truck User Manual

Model: HM121 | Brand: BEZGAR

## INTRODUCTION

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The BEZGAR HM121 is a 1:12 scale 4WD high-speed remote control truck designed for off-road and all-terrain use. It features a durable construction, powerful motor, and responsive controls, making it suitable for both beginners and intermediate hobbyists. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your HM121 RC truck.



Image: The BEZGAR HM121 RC Truck, showcasing its design, remote control, and included accessories.

## WHAT'S IN THE BOX

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Carefully unpack all items and ensure the following components are present:

- BEZGAR HM121 RC Truck
- 2.4GHz Radio System (Remote Control)
- Two 7.4V 1500mAh Li-ion Batteries
- Fireproof Battery Bag
- Two USB Chargers
- User Manual (this document)
- 4 Spare Body Pins
- Screwdriver

# WHAT'S IN THE BOX?



**FIREPROOF BATTERY BAG**



**2x7.4V Li-ion BATTERIES**



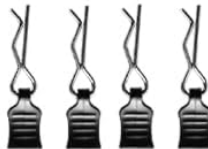
**2.4GHz Radio System**



**2xUSB Charger**



**USER MANUAL**



**4xSpare Body Pins**



**Screwdriver**

Image: A visual representation of all items included in the BEZGAR HM121 product package.

## SETUP

- 1. Charge Batteries:** Connect the 7.4V 1500mAh Li-ion batteries to the provided USB chargers. Plug the chargers into a suitable USB power source. The charging indicator will show the charging status (refer to charger instructions for specific light patterns). Ensure batteries are fully charged before first use.
- 2. Install Truck Battery:** Remove the body pins and lift the truck body. Open the battery compartment. Carefully insert one

charged battery into the compartment and secure it. Connect the battery connector to the truck's power port.

3. **Install Remote Control Batteries:** Open the battery cover on the back of the 2.4GHz remote control. Insert 3 AA batteries (not included) ensuring correct polarity. Close the cover.

4. **Pairing the Remote Control:**

- Turn on the RC truck first.
- Then, turn on the remote control.
- The remote and truck should automatically pair. If not, turn both off and repeat the process.

## OPERATING INSTRUCTIONS

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Familiarize yourself with the remote control functions and practice in an open area before attempting high-speed maneuvers.

# 2.4GHZ RADIO SYSTEM

## REMOTE DISTANCE 250 FT



Image: A detailed diagram illustrating the various controls and functions of the 2.4GHz remote control, including steering wheel, throttle trigger, and trim adjustments.

- **Power ON/OFF:** Use the switch on the remote and the truck to power them on or off. Always turn off the truck first, then the remote.
- **Throttle Trigger:** Pull the trigger to accelerate forward. Push the trigger forward to brake or reverse.
- **Steering Wheel:** Rotate the steering wheel left or right to control the truck's direction.
- **Steering Trim:** Adjust this dial to ensure the truck drives straight when the steering wheel is centered.

- **Speed Trim:** Adjust this dial to limit the maximum speed of the truck, useful for beginners or confined spaces.
- **Steering Reverse:** Use this switch to reverse the steering direction if needed.

### Driving on Different Terrains

The HM121 is designed for various terrains, including concrete, sand, grass, and rocks. Be mindful that speed and handling may vary depending on the surface. Avoid deep water or extremely muddy conditions as prolonged exposure can damage electronics, despite its waterproof steering servo.



Image: The BEZGAR HM121 RC Truck navigating a dirt terrain, demonstrating its off-road capabilities.



Image: The BEZGAR HM121 RC Truck driving on a sandy surface near water, highlighting its all-terrain design.

## MAINTENANCE

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Regular maintenance will extend the lifespan and performance of your RC truck.

- **Cleaning:** After each use, especially in dusty or dirty conditions, clean the truck with a soft brush or compressed air. Avoid using water directly on electronic components.
- **Battery Care:** Always store batteries in the provided fireproof bag. Do not overcharge or over-discharge batteries. Disconnect batteries from the truck when not in use.
- **Inspecting Components:** Periodically check all screws, nuts, and connections for tightness. Inspect the tires for wear and tear. Check the shocks and suspension for proper function.
- **Lubrication:** Lightly lubricate moving parts like gears and bearings as needed with RC-specific lubricant.

## TROUBLESHOOTING

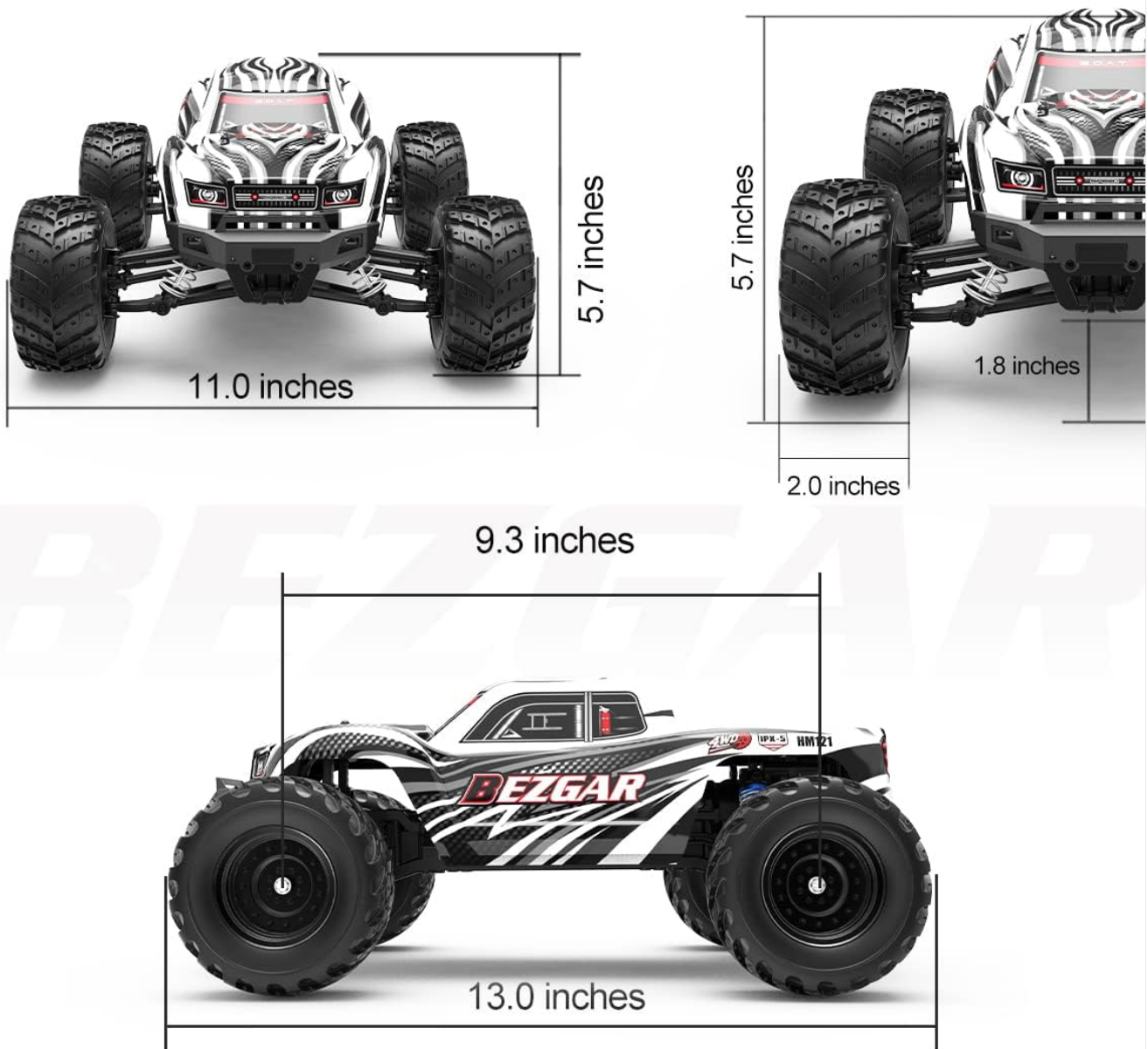
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Problem	Possible Cause	Solution
Truck does not respond to remote.	Low battery in truck or remote; Not paired; Power switch off.	Charge/replace batteries. Ensure truck and remote are powered on. Re-pair the remote and truck.
Truck drives crooked.	Steering trim needs adjustment.	Adjust the steering trim dial on the remote control until the truck drives straight.
Reduced speed or power.	Low battery; Motor overheating; Debris in drivetrain.	Charge/replace battery. Allow motor to cool down. Clean any debris from gears and axles.
Unusual noises during operation.	Damaged gears; Loose components; Debris.	Inspect gears for damage and replace if necessary. Check all screws and connections. Clean the truck thoroughly.

## SPECIFICATIONS

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- **Model:** HM121
- **Scale:** 1:12
- **Drive System:** 4WD (Four-Wheel Drive)
- **Motor:** 390 Brushed Motor
- **Top Speed:** 45+ KM/H (28+ MPH)
- **Run Time:** Up to 20 minutes per battery (40 minutes with two batteries)
- **Battery:** 7.4V 1500mAh Li-ion (x2 included)
- **Remote Control Frequency:** 2.4GHz
- **Steering Servo:** 3-wire Digital Servo (2.5KG.CM torque)
- **Shocks:** 4 x Metal Oil-Filled Shocks
- **Chassis:** Nylon
- **Dimensions:** Approximately 13.0 x 11.0 x 5.7 inches (330 x 280 x 145 mm)
- **Weight:** 5.5 pounds
- **Recommended Age:** 8 years and up



**Size: 330\*280\*145mm / 13.0\*11.0\*5.7inches**  
**Clearance: 45mm / 1.8inches**  
**Wheelbase: 235mm / 9.3inches**  
**Tire Size: 50mm / 2.0inches**

Image: A technical drawing showing the key dimensions of the BEZGAR HM121 RC Truck.



Image: An exploded view illustrating the internal components such as the metal drivetrain, differential gear, oil-filled shocks, and 390 brushed motor.

## WARRANTY AND SUPPORT

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For warranty information, technical support, or replacement parts, please contact BEZGAR customer service. Refer to the contact details provided on the product packaging or the official BEZGAR website.

You can also visit the official BEZGAR store on Amazon for more information: [BEZGAR Store](#)