

GoolRC RC Rock Crawler

GoolRC 1:12 Scale RC Rock Crawler Instruction Manual

Model: RC Rock Crawler

Brand: GoolRC

1. PRODUCT OVERVIEW

The GoolRC 1:12 Scale RC Rock Crawler is a 2.4GHz 4WD off-road remote control truck designed for various terrains. It features proportional remote control, functional lighting, and a durable build for climbing and navigating challenging environments.

Key Features:

- **2.4GHz Remote Control:** Offers anti-jamming capability for simultaneous racing and a control distance of up to 100 meters.
- **4WD Off-Road Capability:** Equipped with four anti-slip wheels and shockproof springs for stability on rough terrains like beaches, snow, grass, mountain roads, and rock roads.
- **Functional Lighting:** Includes front lamps, steering lamps, and reverse lamps, controllable via the remote.
- **Long Playtime:** Comes with two 7.4V 1200mAh rechargeable batteries and a USB charger, providing up to 20 minutes of playtime per battery.
- **Proportional Control:** Allows for precise steering and throttle adjustments.

2. WHAT'S IN THE BOX

Please check the contents of your package to ensure all items are present:

- RC Car (1)
- Remote Controller (1)
- Car Battery (2)
- Charging Cable (1)



Image: Contents of the GoolRC RC Rock Crawler package.

3. SETUP GUIDE

3.1 Charging the Battery

1. Connect the provided USB charging cable to a USB power source (e.g., computer, USB wall adapter).
2. Connect the battery to the charging cable.
3. Allow the battery to charge fully. The indicator light on the charger will typically change color or turn off when charging is complete.
4. Always supervise batteries during charging and disconnect once fully charged.



3.2 Installing the Car Battery

1. Locate the battery compartment on the RC car.
2. Open the compartment cover.
3. Carefully insert the charged battery into the compartment, ensuring correct polarity.
4. Connect the battery connector to the car's power port.
5. Close the battery compartment cover securely.

3.3 Installing Remote Controller Batteries

1. Open the battery cover on the back of the remote controller.
2. Insert the required batteries (usually AA, not included unless specified) according to the polarity markings.
3. Close the battery cover.

3.4 Pairing the Remote Controller

1. Turn on the RC car.
2. Turn on the remote controller.
3. The remote and car should automatically pair. If not, refer to the specific pairing instructions in the included quick start guide, usually involving holding a button on the remote while powering on.

4. OPERATING INSTRUCTIONS

4.1 Remote Controller Functions



Image: Remote Controller Layout and Functions.

- **Forward/Backward:** Use the trigger to move the car forward (pull) or backward (push).
- **Left/Right Turn:** Use the steering wheel to turn the car left or right.
- **Servo Fine Tuning:** Adjusts the steering trim to ensure the car drives straight when the steering wheel is centered.
- **High/Low Gear Switching:** (If applicable) Switches between different speed modes. Low gear may include a trailing brake function.
- **Light Switch:**
 - Long press: Toggles the front headlamps.
 - Short press: Activates double flash (hazard lights).
- **Brake Function:** Integrated with the backward throttle.

4.2 Driving on Various Terrains

The GoolRC Rock Crawler is designed for all-terrain use. Its 4WD system and shock-absorbing suspension allow it to handle:

- Rocky paths
- Sandy areas (beaches, deserts)

- Grassy fields
- Mountain trails
- Uneven dirt roads



Image: RC Rock Crawler navigating challenging terrain.



Image: RC Rock Crawler with LED lights on, suitable for night use.

Your browser does not support the video tag.

Video: The GoolRC RC Rock Crawler demonstrating its off-road capabilities on various terrains.

5. MAINTENANCE

Regular maintenance will extend the lifespan and performance of your RC Rock Crawler:

- **Cleaning:** After each use, especially in dusty or muddy conditions, clean the car with a soft brush or cloth. Avoid using water directly on electronic components.
- **Battery Care:**
 - Do not overcharge or over-discharge batteries.
 - Store batteries in a cool, dry place away from direct sunlight.
 - If storing for extended periods, charge batteries to approximately 50% capacity.
- **Inspecting Components:** Regularly check wheels, suspension, and steering components for any damage or loose connections. Tighten screws as needed.
- **Lubrication:** Apply appropriate RC-safe lubricant to moving parts (gears, bearings) as recommended by advanced RC hobby guides.



Image: Internal components of the RC Rock Crawler chassis.

6. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------------------------------|---|--|
| Car does not respond to remote. | <ul style="list-style-type: none"> • Car or remote not powered on. • Batteries are low or dead. • Not paired correctly. • Out of range. | <ul style="list-style-type: none"> • Ensure both car and remote are switched ON. • Replace/recharge batteries in both car and remote. • Re-pair the remote and car (refer to Section 3.4). • Bring the car closer to the remote. |
| Short playtime. | <ul style="list-style-type: none"> • Battery not fully charged. • Old or damaged battery. | <ul style="list-style-type: none"> • Ensure battery is fully charged before use. • Consider replacing the battery if it's old or shows signs of damage. |

| Problem | Possible Cause | Solution |
|---|---|--|
| Car drives erratically or not straight. | <ul style="list-style-type: none"> Steering trim needs adjustment. Damage to steering components. | <ul style="list-style-type: none"> Use the servo fine tuning knob on the remote to adjust. Inspect steering linkages and servo for damage. |

7. SPECIFICATIONS

| Feature | Detail |
|--------------------|--|
| Scale | 1:12 |
| Drive System | 4WD |
| Frequency | 2.4GHz |
| Control Distance | Up to 100 meters |
| Battery | 7.4V 1200mAh Lithium Ion (x2 included) |
| Playtime | Up to 20 minutes per battery |
| Item Weight | 3.54 pounds |
| Package Dimensions | 15 x 9 x 8 inches |
| Recommended Age | 0 - 1 years (Note: This age range from product data seems incorrect for an RC car, typically 8+ years is more appropriate for RC vehicles. Please exercise caution and adult supervision.) |

8. WARRANTY AND SUPPORT

For any issues or concerns regarding your GoolRC RC Rock Crawler, please contact the store where you purchased the product. Provide your purchase details and a description of the problem for assistance.

Please retain your proof of purchase for warranty claims.