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Nikko 10421

Nikko RC 10421 Hercules 6-Wheel All-Terrain Remote Control Vehicle User Manual

Model: 10421

1. INTRODUCTION

Thank you for purchasing the Nikko RC Hercules 6-Wheel All-Terrain Remote Control Vehicle. This manual provides essential information for the safe operation, setup, and maintenance of your new RC vehicle. Please read it thoroughly before use and retain it for future reference.



Image 1.1: The Nikko RC Hercules vehicle and its remote controller. This image displays the vehicle's robust design and the ergonomic remote control.

2. SAFETY WARNINGS

- **Age Recommendation:** This product is recommended for children aged 6 years and older.
- **Battery Safety:**
 - Always use the specified batteries: 6.4V LiFePo4 for the vehicle and 3x AAA for the remote control.



Image 3.1: The complete package contents, showing the vehicle, remote control, user manual, rechargeable battery, USB charging cable, and AAA batteries.

4. SETUP

4.1. Charging the Vehicle Battery

1. Locate the 6.4V LiFePo4 battery pack and the USB charging cable.
2. Connect the charging cable to the battery pack.
3. Plug the USB end of the cable into a standard USB power source (e.g., computer USB port, USB wall adapter).
4. The charging indicator light (if present) will show the charging status. Refer to the specific indicator behavior on the charging cable or battery for full details.
5. Once fully charged, disconnect the battery from the charging cable and the power source.



Image 4.1: Close-up view of the USB-C charging port integrated into the vehicle's battery compartment, showing the connection point for the charging cable.

4.2. Installing Vehicle Battery

1. Locate the battery compartment on the underside of the vehicle.
2. Open the battery compartment cover.
3. Insert the charged 6.4V LiFePo4 battery pack, ensuring correct polarity.
4. Securely close the battery compartment cover.



Image 4.2: View of the vehicle's battery compartment, showing where the rechargeable battery pack is inserted.

4.3. Installing Remote Control Batteries

1. Locate the battery compartment on the back of the remote control.
2. Open the battery compartment cover.
3. Insert 3x AAA batteries, matching the polarity indicators (+/-).
4. Securely close the battery compartment cover.



Image 4.3: The rear view of the remote control, indicating the location for AAA battery installation.

4.4. Pairing the Vehicle and Remote Control

The Nikko RC Hercules utilizes 2.4 GHz technology for automatic pairing. Follow these steps:

1. Ensure both the vehicle and the remote control have fresh or fully charged batteries installed.
2. Turn on the vehicle using its power switch.
3. Turn on the remote control using its power switch.
4. The vehicle and remote control should automatically pair. A light indicator on both devices may confirm successful pairing. If pairing fails, turn both devices off and repeat the process.

5. OPERATING INSTRUCTIONS

Once paired, you can begin operating your Nikko RC Hercules vehicle.

5.1. Basic Controls

- **Forward/Backward:** Use the left joystick (or trigger) to move the vehicle forward or backward.
- **Steering (Left/Right):** Use the right joystick (or steering wheel) to turn the vehicle left or right.

5.2. Special Features

- **360-Degree Rotations:** The 6-wheel drive system allows for impressive 360-degree spins. Experiment with joystick combinations to achieve this maneuver.
- **All-Terrain Capability:** The Hercules is designed for various surfaces including gravel, mud, and uneven terrain. Its robust design and 6-wheel drive provide excellent traction.



Image 5.1: A child demonstrating the operation of the Nikko RC Hercules in an outdoor setting, highlighting its usability.



Image 5.2: This image illustrates key features such as 2.4 GHz frequency, 360-degree rotation capability, support for up to 10 players, and USB-C recharging, along with vehicle dimensions.

6. MAINTENANCE

- **Cleaning:** After use, especially on dirty or dusty surfaces, gently wipe the vehicle with a soft, dry cloth. Do not use water or chemical cleaners, as this may damage electronic components.
- **Storage:** Store the vehicle and remote control in a cool, dry place away from direct sunlight. Remove batteries if storing for extended periods.
- **Battery Care:** Always fully charge the LiFePo4 battery before storage and periodically if not used for a long time to maintain battery health.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Vehicle does not move or respond.	<ul style="list-style-type: none"> ◦ Batteries are low or incorrectly installed. ◦ Vehicle or remote control is not turned on. ◦ Vehicle and remote control are not paired. 	<ul style="list-style-type: none"> ◦ Check and replace/recharge batteries; ensure correct polarity. ◦ Turn on both the vehicle and remote control. ◦ Turn both devices off and on again to re-establish pairing.
Short operating range or intermittent control.	<ul style="list-style-type: none"> ◦ Low batteries in either device. ◦ Interference from other 2.4 GHz devices. ◦ Obstacles between remote and vehicle. 	<ul style="list-style-type: none"> ◦ Replace/recharge batteries. ◦ Move to an area with less interference. ◦ Ensure a clear line of sight between the remote and vehicle.
Vehicle moves slowly or lacks power.	<ul style="list-style-type: none"> ◦ Vehicle battery is low. ◦ Operating on challenging terrain. 	<ul style="list-style-type: none"> ◦ Recharge the vehicle battery. ◦ Move to a smoother surface.

8. SPECIFICATIONS

- **Model:** Nikko RC Hercules (10421)
- **Vehicle Dimensions (L x W x H):** Approximately 30 cm x 14 cm x 10 cm (12" x 6.7" x 5.5")
- **Weight:** 1.52 kg
- **Speed:** Up to 15 km/h
- **Control Frequency:** 2.4 GHz
- **Control Range:** Up to 40 meters
- **Vehicle Battery:** 6.4V LiFePo4 rechargeable battery
- **Remote Control Batteries:** 3 x AAA (included)
- **Material:** Plastic, Rubber
- **Recommended Age:** 6 years and up
- **Number of Players:** Up to 10 simultaneously

9. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact Nikko Toys customer service.

- **Website:** www.nikkotoys.com
- **Email:** customerservice@nikkotoys.com

Please have your product model number (10421) and purchase details ready when contacting support.