

Reobrix 22019

Reobrix Snow Groomer Building Blocks Set 22019 Instruction Manual

Model: 22019

1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Reobrix Snow Groomer Building Blocks Set 22019. This remote-controlled model accurately replicates a snow leveling vehicle, offering both manual and remote operational capabilities.



Figure 1: Fully assembled Reobrix Snow Groomer Building Blocks Set 22019.

The set consists of 1047 pieces and is designed for individuals aged 14 and above. It features functional elements such as a snow shovel, rear plow, and a rotating boom, all controllable via a dedicated remote or a mobile application.

2. KEY FEATURES AND COMPONENTS

- **Realistic Design:** Precision replication of a snow leveling vehicle.
- **Manual Operations:** Snow shovel lifting, rear plow adjustment, and big boom rotation.
- **Independent Track Control:** Enables 360° in-situ steering.
- **Dual Control Modes:** Supports both a dedicated remote control and a mobile application for track movement and steering sensitivity.
- **Power System:** Four-channel dual-mode lithium battery for stable operation.
- **Educational Value:** Explores principles of gear transmission, center of gravity balance, and hydraulics.
- **High-Quality Materials:** Made from environmentally friendly ABS materials for durability and precise fit.



Figure 2: Close-up view of the snow groomer's detailed features, including gears and structural elements.

3. SETUP AND ASSEMBLY

The Reobrix Snow Groomer Building Blocks Set requires assembly. Please follow the comprehensive and precise paper assembly instructions included in the package. Ensure all 1047 pieces are accounted for before beginning assembly.

1. **Unpack Components:** Carefully open the packaging and sort the building blocks according to the instructions.
2. **Follow Step-by-Step Guide:** Refer to the provided instruction manual for a detailed, illustrated assembly process. Each step is designed to be clear and easy to understand.
3. **Battery Installation:** Once the model is assembled, install the four-channel dual-mode lithium battery into the designated compartment. Ensure correct polarity.
4. **Remote Control Pairing:** Power on the model and the remote control. Follow the pairing instructions in the manual to establish a connection. For app control, download the mobile application and follow its pairing procedure.

MECHANICAL



Figure 3: An individual engaged in the assembly process of the building blocks set.

4. OPERATING INSTRUCTIONS

Your Reobrix Snow Groomer can be operated using either the included remote control or a dedicated mobile application. Both methods allow for precise control over the vehicle's movements and functions.

4.1 Remote Control Operation

The remote control allows for intuitive command of the snow groomer. Use the joysticks and buttons to control the following functions:

- **Track Movement:** Control forward, backward, and 360° in-situ steering.
- **Snow Shovel:** Lift and lower the front snow shovel.
- **Rear Plow:** Adjust the position of the rear plow.
- **Big Boom:** Rotate and operate the lifting mechanism of the boom.

4.2 Mobile App Control

For enhanced control and additional features, download the Reobrix mobile application. The app provides a virtual joystick interface and allows for fine-tuning of track movement and steering sensitivity.

- **Download App:** Search for the official Reobrix control app on your mobile device's app store.

- **Connect via Bluetooth:** Ensure your device's Bluetooth is enabled and pair with the snow groomer model.
- **Control Interface:** Utilize the on-screen controls to operate the vehicle's functions, similar to the physical remote.



Figure 4: The Reobrix Snow Groomer being controlled by both a physical remote and a mobile application.

4.3 Operational Demonstration Video

Watch this video for a visual guide on operating the Reobrix Snow Groomer's various functions.

Video 1: Demonstration of the Reobrix Snow Groomer Building Blocks Set 22019 in action, showcasing its remote-controlled movements and functional parts.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Reobrix Snow Groomer.

- **Cleaning:** Regularly wipe down the model with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive materials.
- **Battery Care:** When not in use for extended periods, remove the lithium battery from the model and store it in a cool, dry place. Recharge the battery as needed, following the manufacturer's guidelines.

- **Component Check:** Periodically inspect all connections and moving parts to ensure they are secure and functioning correctly. Tighten any loose connections.
- **Storage:** Store the assembled model in a safe place away from direct sunlight, extreme temperatures, and excessive moisture.

6. TROUBLESHOOTING

If you encounter any issues with your Reobrix Snow Groomer, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Model does not respond to remote control/app.	Low battery in model or remote; improper pairing.	Recharge/replace batteries. Re-pair the remote control/app with the model.
Moving parts (shovel, plow, boom) are stuck.	Obstruction; loose connection; incorrect assembly.	Check for and remove any obstructions. Verify connections. Review assembly steps for the affected part.
Tracks are not moving smoothly.	Debris in tracks; loose track links.	Clean tracks thoroughly. Inspect and re-secure any loose track links.
Lights or sounds are not working.	Wiring issue; component malfunction.	Check all wiring connections. If the problem persists, contact customer support.

If these steps do not resolve the issue, please contact Reobrix customer support for further assistance.

7. SPECIFICATIONS

- **Model Number:** 22019
- **Number of Pieces:** 1047
- **Product Dimensions:** 16.93 x 3.94 x 11.02 inches (43 x 10 x 28 cm)
- **Item Weight:** 4.42 pounds (2.0 kg)
- **Recommended Age:** 14 years and up
- **Control:** Remote Control and Mobile App
- **Power Source:** Four-channel dual-mode lithium battery



Figure 5: Visual representation of the Reobrix Snow Groomer's dimensions.

8. WARRANTY AND SUPPORT

Reobrix products are manufactured to high-quality standards. If you find that some parts are missing in the kit after receiving the product, please contact Reobrix customer support immediately. We will send the missing parts to you as soon as possible.

For any other inquiries or support needs, please refer to the contact information provided with your product packaging or visit the official Reobrix website.