

Reobrix 22014

Reobrix Technic 22014 Remote Control Excavator

Building Blocks Set User Manual

1. INTRODUCTION

The Reobrix Technic 22014 Excavator Building Blocks Set is a detailed construction model designed for enthusiasts aged 14 and up. This set allows for the creation of a remote-controlled excavator with realistic functions, promoting the development of fine motor skills, spatial awareness, and problem-solving abilities.

Key Features:

- Remote-controlled operation via 2.4G remote or mobile phone application.
- Includes 6 motors: 4 L-motors and 2 M-motors for various functions.
- Authentic replication with independent caterpillar chain drives, telescopic shovel, hull rotation, and opening/closing shovel bottom.
- Constructed from high-quality, eco-friendly ABS materials.
- Comprises 2968 finely polished parts for a secure fit.

2. PACKAGE CONTENTS

Before beginning assembly, verify that all components are present and undamaged. Refer to the detailed parts list in the included assembly instructions booklet.

- Building Blocks (2968 pieces)
- 1 x Remote Control
- 1 x Battery Box
- 4 x L-Motors
- 2 x M-Motors
- Detailed Assembly Instructions Booklet



POWER ACCESSORIES PRESENTATION



1 X Remote Control



1 x Battery Box



4 x L Motor



2 x M Motor

Image 2.1: Included power accessories, including remote control, battery box, L-motors, and M-motors.

3. SETUP AND ASSEMBLY

Assembly of the Reobrix Technic 22014 Excavator requires careful attention to the provided step-by-step instructions. It is recommended to organize parts before starting.

1. **Preparation:** Clear a spacious, well-lit work area. Sort the building blocks by type and color to facilitate easier identification during assembly.
2. **Follow Instructions:** Adhere strictly to the detailed assembly instructions booklet. Each step is illustrated to guide you through the construction process.
3. **Motor and Wiring Integration:** Pay close attention to the placement and connection of the 6 motors (4 L-motors, 2 M-motors) and the battery box as indicated in the manual. Incorrect wiring may affect functionality.

4. **Battery Installation:** Install the required batteries into the battery box and remote control as per the instructions. Ensure correct polarity.
5. **Initial Function Test:** After completing significant sections, perform a brief function test if possible to ensure mechanical parts move freely and motors respond.



Image 3.1: The fully assembled Reobrix Technic 22014 Excavator, showcasing its complex structure and integrated motors.

4. OPERATING INSTRUCTIONS

The Reobrix Technic 22014 Excavator can be controlled using either the included 2.4G remote control or a dedicated mobile phone application.

4.1. Remote Control Operation

1. **Power On:** Ensure the battery box on the excavator is switched ON. Power on the remote control.
2. **Pairing:** The remote control should automatically pair with the excavator. If not, refer to the pairing instructions in the assembly manual.
3. **Movement:**
 - Use the joysticks to control forward, backward, left, and right movement of the caterpillar tracks.
 - Specific buttons or levers on the remote control operate the shovel's telescopic function, raising/lowering, and opening/closing.
 - The cab rotation is controlled by a designated button or joystick.

4.2. Mobile Application Operation

1. **App Download:** Download the official Reobrix control application from your device's app store.
2. **Bluetooth Connection:** Enable Bluetooth on your mobile device. Open the app and follow the on-screen instructions to connect to the excavator.
3. **Virtual Controls:** The app provides a virtual interface mirroring the remote control functions, allowing for precise control of all excavator movements and actions.

DUAL CONTROL MODE

2.4G REMOTE CONTROL
APP REMOTE CONTROL MODE



Image 4.1: Illustration of the dual control mode, showing both the physical remote control and the mobile application interface.

Power Shovel



360° ROTATION OF THE CAB

THE SHOVEL CAB CAN BE FLEXIBLY ROTATED 360°

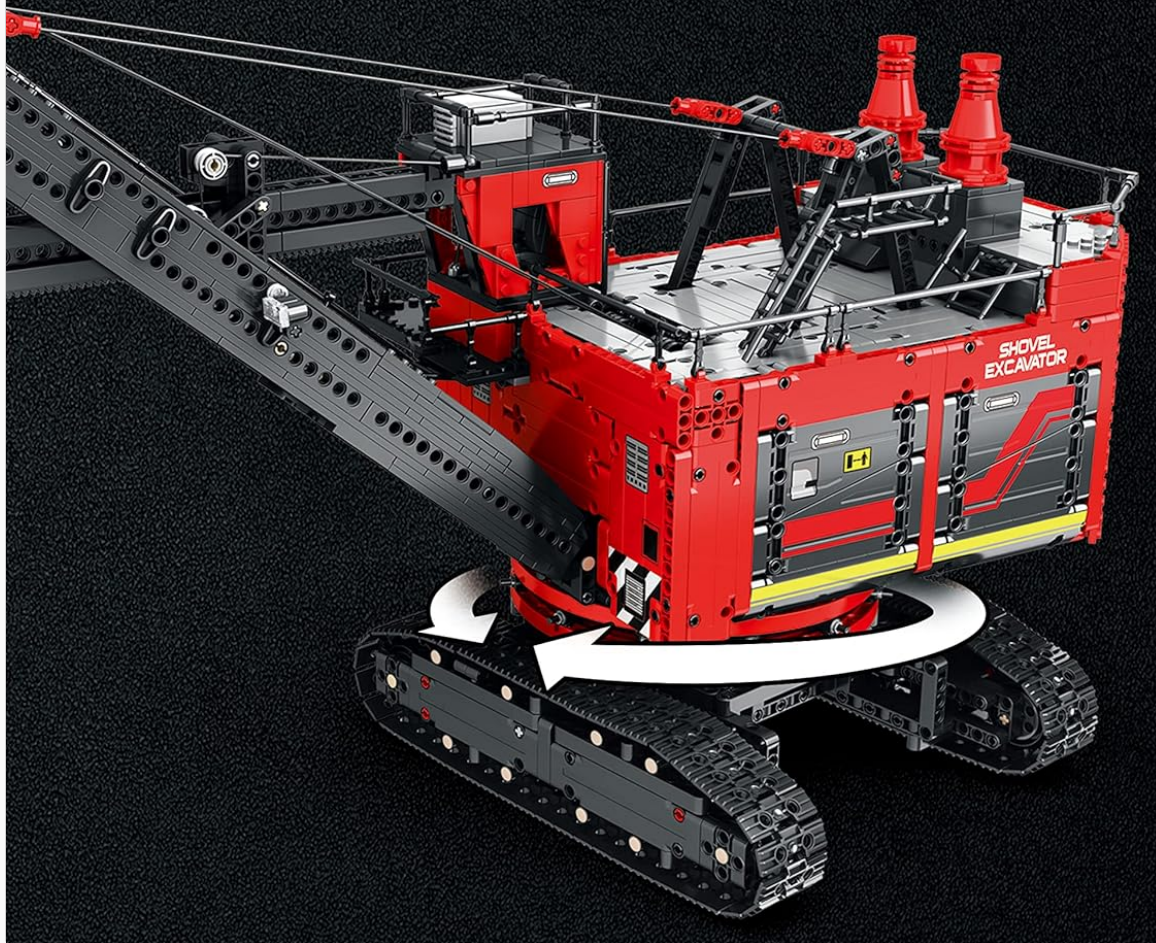


Image 4.2: The excavator's cab demonstrating its 360-degree rotation capability.

Power Shovel



MECHANICAL LINKAGE SYSTEM

MULTI-WAY MANIPULATION AND EXCITING ON-THE-SPOT EXPERIENCE



Image 4.3: Close-up view of the mechanical linkage system, highlighting the intricate gear and lever mechanisms.

5. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to gently wipe down the model. Avoid using water or chemical cleaners, as these can damage the electronic components or plastic.
- **Dust Removal:** For intricate areas, use a soft brush or compressed air to remove dust and debris from gears and moving parts.
- **Storage:** Store the assembled model in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, remove batteries from both the excavator and the remote control to prevent leakage.

- **Part Integrity:** Periodically inspect the model for any loose or damaged parts. Re-secure any loose connections or replace damaged pieces as needed.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Reobrix Technic 22014 Excavator.

Problem	Possible Cause	Solution
Excavator does not respond to remote control/app.	Batteries are low or incorrectly installed. Excavator or remote control is not powered on. Pairing issue between remote/app and excavator. Motor connection issues.	Replace batteries in both the excavator battery box and remote control. Ensure correct polarity. Verify both devices are switched ON. Refer to the assembly manual for pairing instructions. Check all motor connections to the battery box/receiver.
Specific functions (e.g., shovel movement, cab rotation) are not working.	Motor for that function is disconnected or faulty. Mechanical obstruction or incorrect assembly. Ropes/cables are incorrectly routed or tensioned (for shovel).	Inspect the specific motor and its wiring. Review the assembly steps for that section to ensure all parts are correctly installed and move freely. Adjust rope/cable tension and routing as per the manual.
Missing or damaged parts during assembly.	Manufacturing error or shipping damage.	Contact Reobrix customer support for replacement parts. Provide details of the missing/damaged components.

7. SPECIFICATIONS

Feature	Detail
Model Number	22014
Brand	Reobrix
Number of Pieces	2968
Material Type	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions (L x W x H)	50 x 30 x 13 cm
Item Weight	4 kg
Recommended Age	14 years and up
Control Method	2.4G Remote Control, Mobile App
Motors Included	4 x L-Motors, 2 x M-Motors
Batteries Required	Yes (Included)



NO.22014

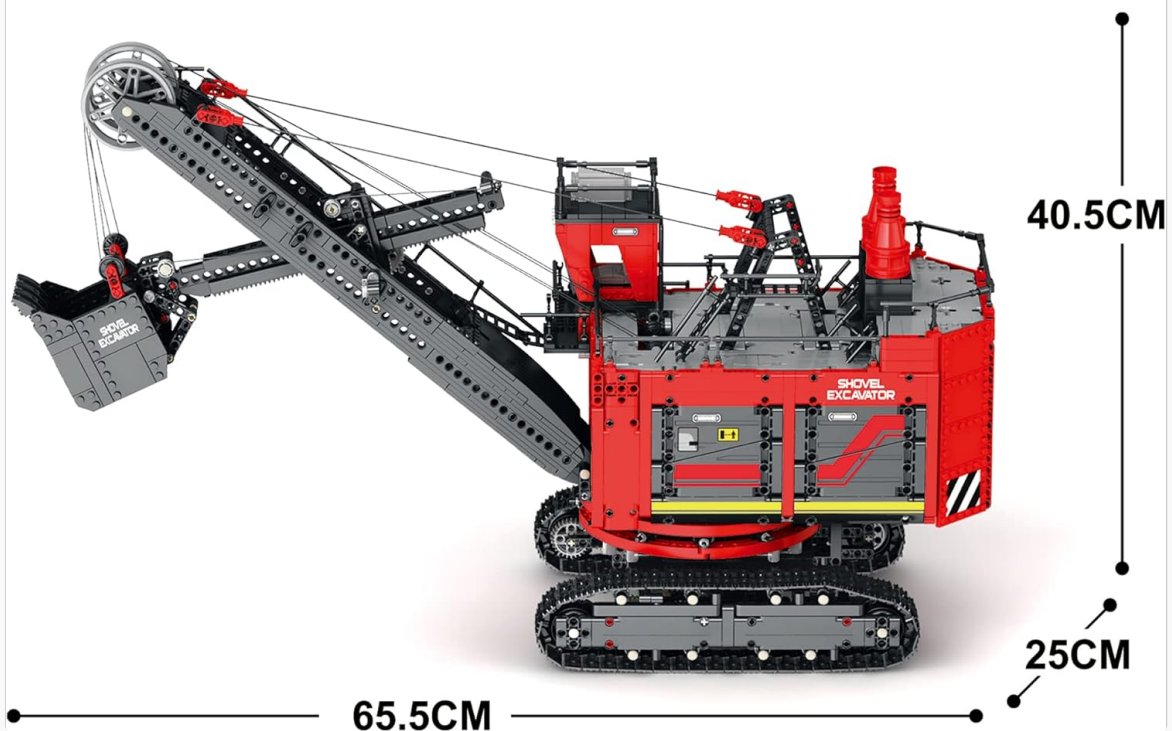


Image 7.1: Product dimensions of the assembled Reobrix Technic 22014 Excavator.

8. SAFETY INFORMATION

Please observe the following safety guidelines during assembly and operation:

- **Choking Hazard:** This product contains small parts and is not suitable for children under 3 years of age. Keep all parts away from young children.
- **Recommended Age:** This building set is intended for individuals aged 14 years and up.
- **Battery Safety:**
 - Do not mix old and new batteries.
 - Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
 - Insert batteries with correct polarity.
 - Remove exhausted batteries promptly.
 - Do not short-circuit battery terminals.
- **Supervision:** Adult supervision is recommended during assembly and initial operation, especially for younger users within the recommended age range.
- **Intended Use:** Use the product only as intended for building and remote-controlled play. Avoid modifications that could compromise safety or functionality.

9. WARRANTY AND SUPPORT

Reobrix is committed to providing high-quality products and customer satisfaction. While specific warranty details are not provided in this manual, please retain your proof of purchase.

For any questions, missing parts, or technical assistance, please contact Reobrix customer support through the

retailer where the product was purchased or via the official Reobrix website. Our team is dedicated to finding a solution that ensures your complete satisfaction.

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