

Reobrix 22003

Reobrix RC Excavator Building Set - Model 22003 User Manual

Brand: Reobrix | Model: 22003

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1. INTRODUCTION

Welcome to the Reobrix RC Excavator Building Set, Model 22003. This comprehensive manual provides detailed instructions for assembling, setting up, operating, and maintaining your remote-controlled excavator model. Designed for enthusiasts, this set combines the challenge of construction with the excitement of remote control operation, offering a realistic and interactive experience.

This model features a lifelike design with independent track drive, a rotating cab, and fully functional moving arms and bucket. It can be controlled via a dedicated remote or a smartphone application, offering versatile play and learning opportunities in engineering and mechanics.

2. IMPORTANT SAFETY INFORMATION

- Please read all safety instructions carefully before assembly and operation to ensure safe use of the product. Failure to follow these instructions may result in injury or damage to the product.
- Choking Hazard:** This product contains small parts and is not suitable for children under 3 years of age. Recommended for ages 14 and up due to small parts and complexity.
 - Adult Supervision:** Adult supervision is recommended during assembly and operation, especially for younger users.
 - Battery Safety:** Use only the specified batteries. Do not mix old and new batteries, or different types of batteries. Insert batteries with correct polarity. Remove batteries if the product will not be used for an extended period. Do not attempt to recharge non-rechargeable batteries.
 - Electrical Components:** Keep electrical components dry. Avoid contact with water or other liquids.
 - Moving Parts:** Keep fingers, hair, and loose clothing away from moving parts during operation to prevent entanglement.



Image: Warning label indicating a choking hazard due to small parts. This product is not suitable for young children.

3. PACKAGE CONTENTS

Verify that all components are present in your package before beginning assembly. If any parts are missing or damaged, please contact Reobrix customer support.

- Building Blocks (1106 pieces)
- 1 x Remote Control
- 1 x Rechargeable Battery Pack
- 1 x Screwdriver
- Detailed Assembly Manual
- USB Charging Cable (for battery pack)



Image: The product packaging and the fully assembled Reobrix RC Excavator Model 22003.

4. ASSEMBLY INSTRUCTIONS

The Reobrix RC Excavator Model 22003 is a building set requiring assembly. Please refer to the dedicated, step-by-step assembly manual included in your package for detailed instructions. The building blocks are organized into numbered bags to simplify the construction process.

1. **Unpack Components:** Carefully open the packaging and sort the numbered bags of building blocks.
2. **Follow Manual:** Adhere strictly to the instructions provided in the assembly manual. Each step is illustrated to guide you through the process.
3. **Connect Electrical Parts:** Ensure all motor and battery connections are secure as indicated in the manual.
4. **Test Functionality:** Periodically test moving parts during assembly to ensure correct installation and movement.

MECHANICAL DRIVE SYSTEM

Steer the boom and bucket arm with your remote, and enjoy a playful way to explore how mechanical systems work!

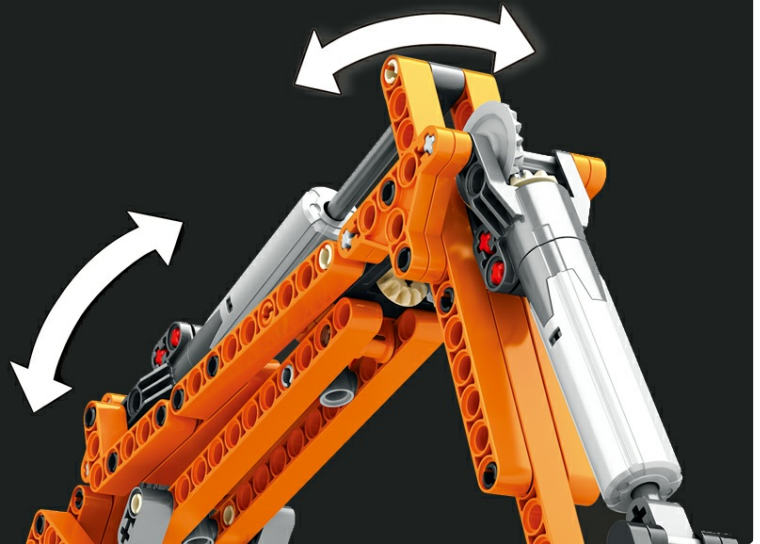


Image: An adult and child engaged in the assembly of the Reobrix RC Excavator model.

The modular design, including a quick-release battery compartment, is intended to facilitate construction. Take your time and enjoy the building process.

5. REMOTE CONTROL AND APP SETUP

5.1 Battery Installation

- **Excavator Battery:** Insert the provided rechargeable battery pack into the designated compartment on the excavator. Ensure it is securely connected. Charge the battery fully before first use using the included USB charging cable.
- **Remote Control Batteries:** Open the battery compartment on the remote control and insert the required batteries (not included, typically AA or AAA). Observe correct polarity.

5.2 Pairing the Remote Control / APP

Your Reobrix excavator supports dual-mode control: a 2.4GHz physical remote control and a Bluetooth-enabled smartphone application.

- **Remote Control Pairing:** Turn on the excavator and then the remote control. The devices should automatically pair. If not, refer to the specific pairing instructions in the assembly manual.
- **APP Control Setup:**
 - a. Download the official Reobrix control application from your device's app store.
 - b. Ensure Bluetooth is enabled on your smartphone.
 - c. Open the app and follow the on-screen prompts to connect to your excavator model.

MECHANICAL

MECHANICAL SERIES 22003



Image: The assembled excavator shown with both the physical remote control and a smartphone displaying the control app interface.

6. OPERATING INSTRUCTIONS

Once assembled and paired, your Reobrix RC Excavator is ready for operation. Familiarize yourself with the controls for each function.

6.1 Basic Movement

- **Forward/Backward:** Use the designated joystick or on-screen controls to move the excavator forward or backward.
- **Turning:** Control the independent tracks to turn left or right, or to spin in place.



Image: A close-up view of the excavator's tracks, highlighting the independent control mechanism.

6.2 Excavator Arm and Bucket Control

The excavator features a function-switching gearbox, allowing you to control different parts of the arm and bucket using the same joysticks.

- **Mechanical Drive System:** Use the controls to steer the boom and bucket arm.
- **Movable Bucket:** Operate the bucket to simulate digging and material movement.
- **360° Rotation:** The cab can rotate a full 360 degrees for versatile operation.
- **Function-Switching Gearbox:** Utilize the gearbox to switch control between the boom, bucket arm, bucket, and 360-degree rotation using the 4 joysticks.
- **Cabin Top Light:** Activate the cabin light for enhanced realism during operation.



Image: Four detailed views illustrating the mechanical drive system, 360-degree rotation, movable bucket, and function-switching gearbox of the excavator.



Image: The Reobrix RC Excavator 22003 in operation, showcasing its illuminated cabin light.

7. MAINTENANCE

Proper maintenance will extend the lifespan and performance of your Reobrix RC Excavator.

- **Cleaning:** Wipe the model with a dry, soft cloth to remove dust and debris. Do not use water or chemical cleaners, as they may damage electrical components or the plastic.
- **Storage:** Store the excavator in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Always remove batteries from the remote control and the excavator if the product will not be used for an extended period. This prevents battery leakage and corrosion.
- **Check for Loose Parts:** Periodically inspect the model for any loose connections or parts. Re-secure them as necessary to maintain structural integrity and functionality.

8. TROUBLESHOOTING

If you encounter any issues with your Reobrix RC Excavator, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Excavator does not respond to remote/app.	Low batteries in excavator or remote; not properly paired.	Ensure excavator battery is charged and remote batteries are fresh. Re-pair the remote/app following setup instructions.
Movement is sluggish or weak.	Low battery power; obstruction in tracks or gears.	Recharge excavator battery or replace remote batteries. Inspect tracks and gears for any foreign objects and remove them.
Parts are loose or fall off during operation.	Incorrect assembly; vibrations loosening connections.	Refer to the assembly manual to re-secure any loose parts. Ensure all connections are firm.
APP connection issues.	Bluetooth not enabled; app not updated; interference.	Ensure Bluetooth is on. Update the app to the latest version. Try connecting in an area with less wireless interference.

9. PRODUCT SPECIFICATIONS

Key technical details for the Reobrix RC Excavator Model 22003:

Feature	Detail
Model Number	22003
Product Dimensions	5.12 x 11.38 x 4.25 inches
Item Weight	3.54 pounds
Number of Pieces	1106 PCS
Control Method	2.4GHz Remote Control / Bluetooth APP Control
Manufacturer	Shantou Juhang Toys Technology Co., Ltd.
Recommended Age	14+ Years (due to complexity and small parts)



Image: A visual representation of the Reobrix RC Excavator 22003's dimensions.

10. WARRANTY AND SUPPORT

Reobrix is committed to providing high-quality products and customer satisfaction. If you have any questions, concerns, or require assistance with your RC Excavator Building Set, please do not hesitate to contact our customer support team. For support, please refer to the contact information provided in your product packaging or visit the official Reobrix store online. Reobrix ensures premium quality and is available to assist you with any product-related inquiries. For more information about Reobrix products, visit the [Reobrix Store](#).

ASK A QUESTION ABOUT THIS MANUAL

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Email

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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