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MOULD KING 21075

Mould King 21075 Advanced Programmable Robot Kit Instruction Manual

Model: 21075

Introduction

Welcome to the Mould King 21075 Advanced Programmable Robot Kit. This interactive building toy combines the excitement of construction with the companionship of a robotic pet. Designed for users aged 8 and up, this kit allows you to assemble a sophisticated robot dog and control it using a dedicated app or remote control. Explore engineering principles, enhance problem-solving skills, and enjoy hours of engaging play with this technologically advanced companion.

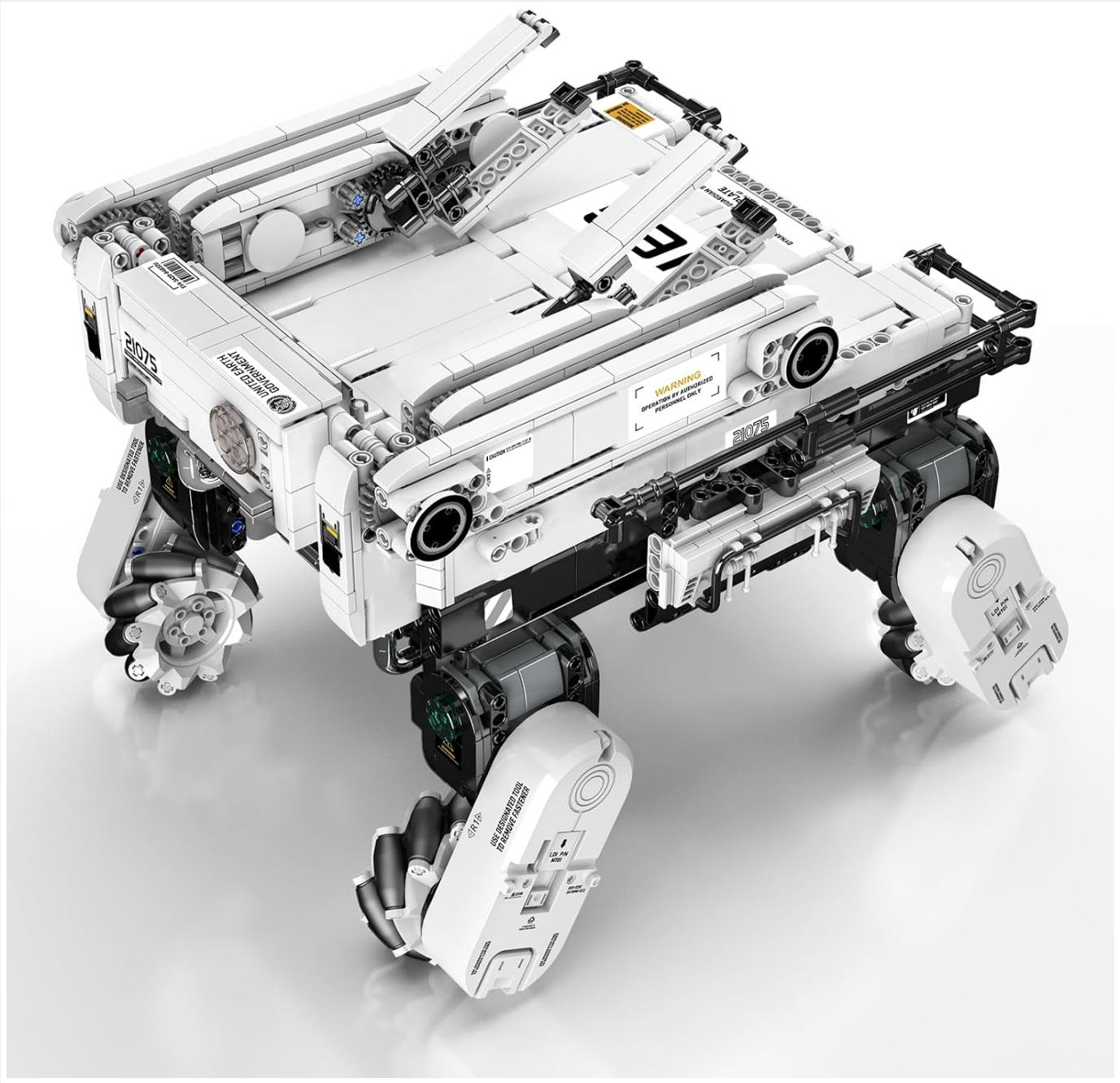

Figure 1: The Mould King 21075 Robot Kit fully assembled.

Safety Information

Please read all safety instructions before assembly and operation.

- **Choking Hazard:** This kit contains small parts and is not suitable for children under 3 years old.
- **Adult Supervision:** Adult supervision is recommended during assembly and initial operation, especially for younger users.
- **Battery Safety:** If the robot or remote control requires batteries (not included), ensure they are inserted correctly according to polarity. Do not mix old and new batteries, or different types of batteries. Remove batteries if the product is not used for an extended period.
- **Electronic Components:** Keep electronic components away from water and extreme temperatures.
- **Proper Use:** Do not modify the robot or its components. Use only as intended.

Package Contents

The Mould King 21075 kit includes all necessary components for assembly and operation.

- Building blocks (approximately 1887 pieces)
- Main control unit
- Motors and electronic components
- Remote control
- USB charging cable (if rechargeable) / Battery compartment (if battery-powered)
- Detailed assembly instruction booklet (separate from this manual)

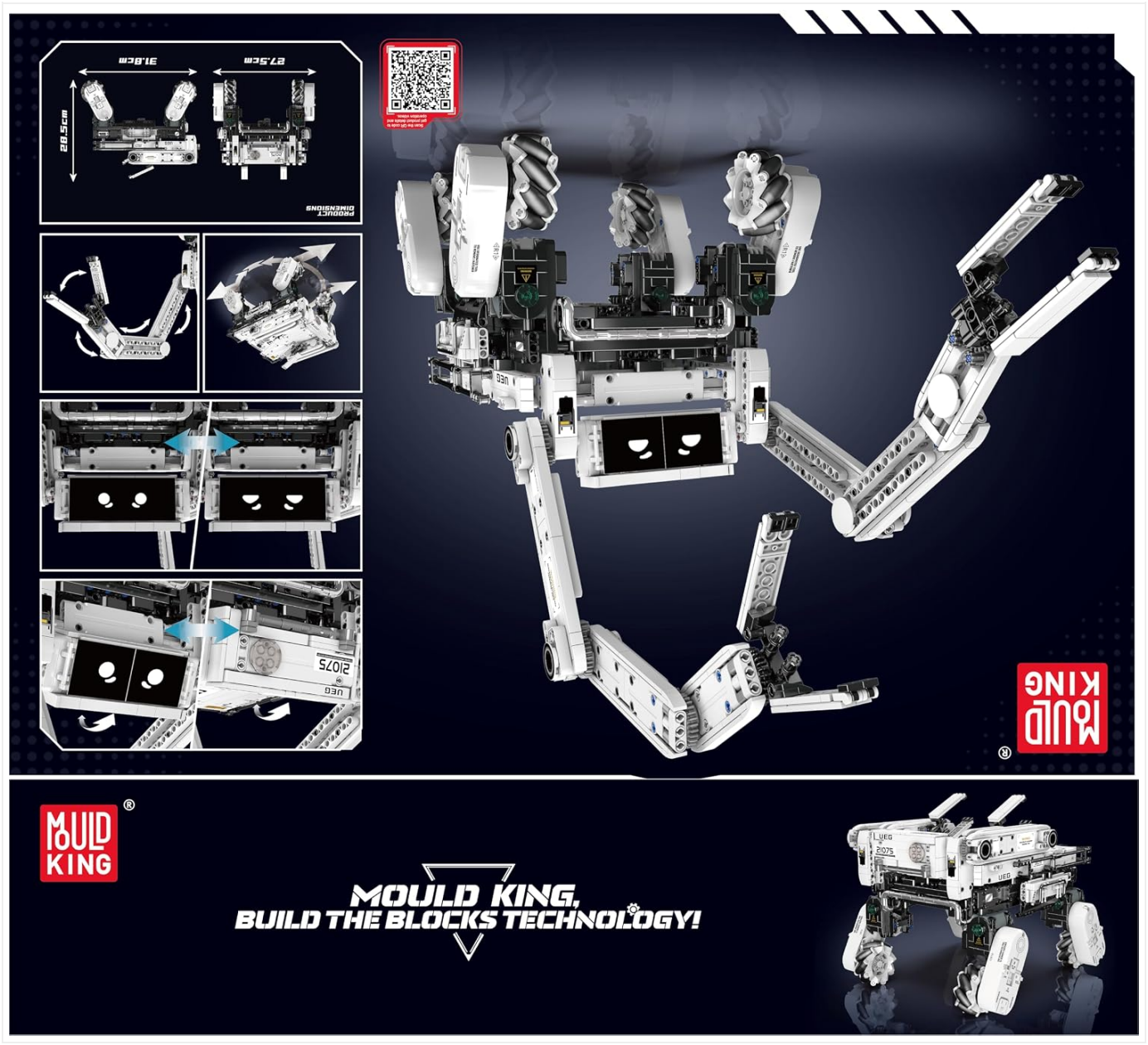

Figure 2: Overview of components and initial assembly steps.

Setup and Assembly

The Mould King 21075 is a building kit requiring assembly. Follow the dedicated assembly instruction booklet provided in the package for detailed, step-by-step guidance.

1. **Unpack Components:** Carefully unbox all parts and verify against the parts list in the assembly booklet.
2. **Follow Assembly Booklet:** Refer to the separate, detailed assembly instruction booklet for step-by-step building instructions. This kit consists of approximately 1887 pieces.

3. **Connect Electronics:** During assembly, ensure all electronic components (motors, main control unit) are connected securely as indicated in the assembly guide.
4. **Power Source:** Install required batteries (if applicable) into the robot and remote control, or charge the robot's internal battery using the provided USB cable. (*Note: Battery type and charging details are in the assembly booklet*)

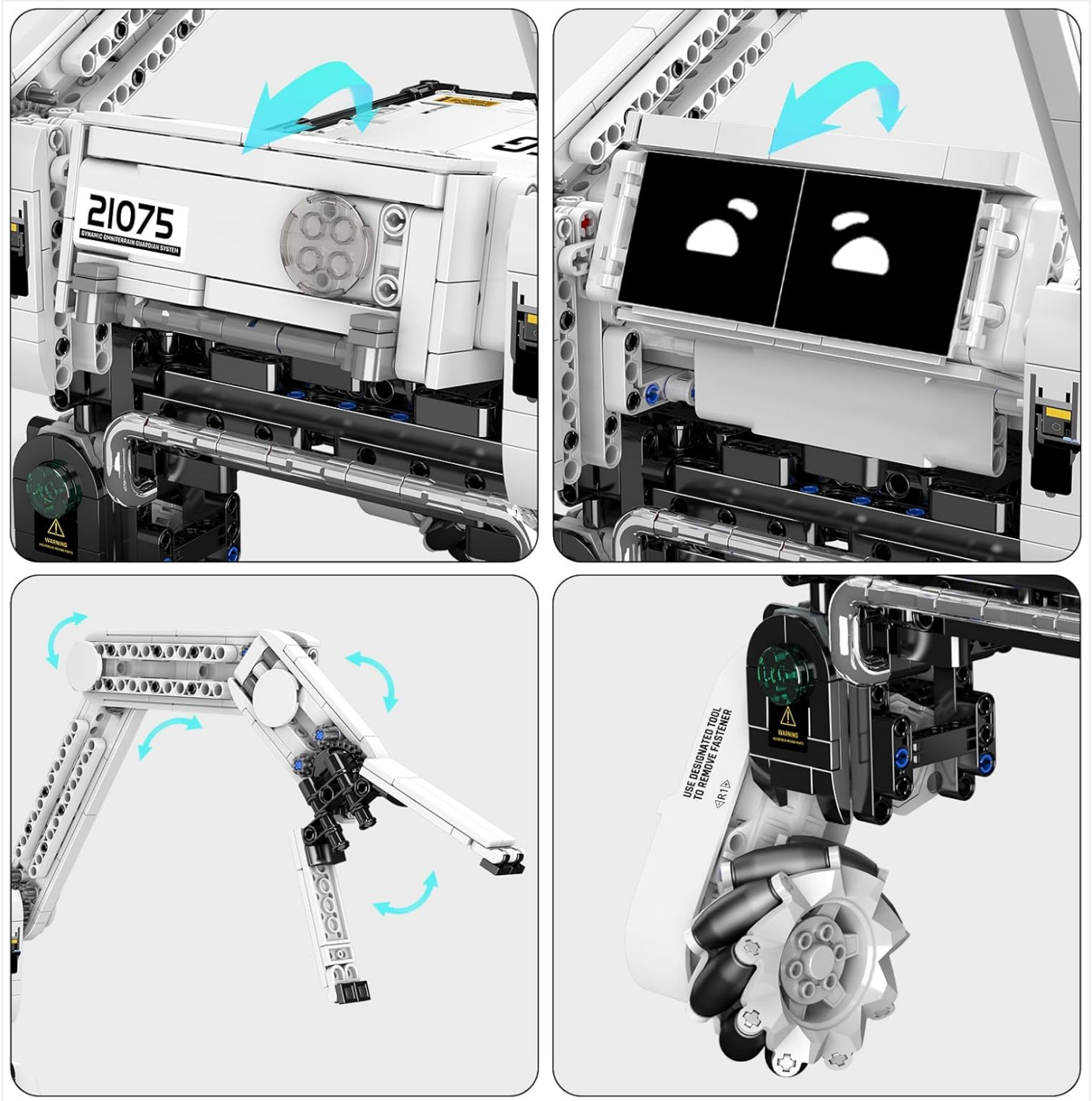

Figure 3: Detailed view of robot features and articulation points.

Operating Instructions

The Mould King 21075 robot can be controlled via the included remote control or a dedicated mobile application.

Remote Control Operation:

1. **Power On:** Ensure the robot is fully assembled and powered on. Turn on the remote control.
2. **Pairing:** The robot and remote control should automatically pair. If not, refer to the assembly booklet for specific pairing instructions.
3. **Basic Movements:** Use the joysticks and buttons on the remote control to move the robot forward, backward, turn,

and control its articulated limbs.

App Control and Programming:

1. **Download App:** Scan the QR code in the assembly booklet or search for the "Mould King" app on your mobile device's app store.
2. **Connect via Bluetooth:** Enable Bluetooth on your mobile device. Open the app and follow the on-screen instructions to connect to your Mould King 21075 robot.
3. **Control Modes:** The app typically offers various control modes, including:
    - **Remote Control Mode:** Virtual joysticks and buttons for direct control.
    - **Programming Mode:** Drag-and-drop interface or block-based coding to create custom movement sequences and actions.
    - **Interactive Modes:** Explore features like sound effects, light patterns, and pre-programmed behaviors.
4. **Explore Features:** The robot features realistic movements and interactive reactions. Experiment with different commands and programming sequences to discover its full capabilities.

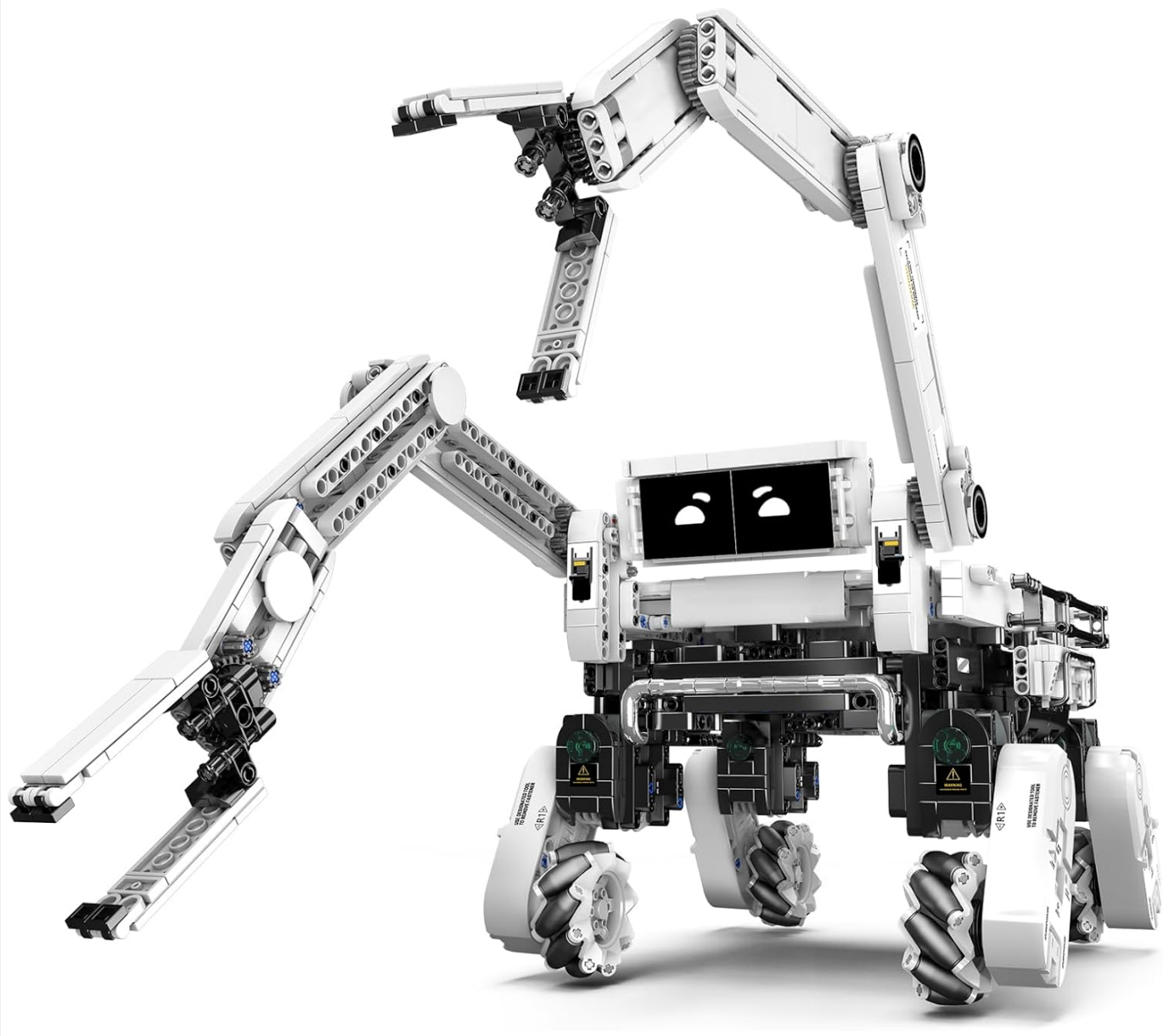

Figure 4: The robot demonstrating its articulated arms.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your Mould King 21075 robot.

- **Cleaning:** Wipe the robot with a dry, soft cloth. Do not use water or cleaning solvents.
- **Storage:** Store the robot and its components in a cool, dry place away from direct sunlight.
- **Battery Care:** If using disposable batteries, remove them if the robot will not be used for an extended period. If rechargeable, ensure it is charged periodically to maintain battery health.
- **Check Connections:** Periodically check that all building blocks and electronic connections are secure.

Troubleshooting

If you encounter issues with your Mould King 21075 robot, refer to the following common solutions.

Problem	Possible Cause	Solution
Robot does not power on.	Low or dead battery; incorrect battery installation; loose power connection.	Charge the robot or replace batteries. Ensure batteries are inserted with correct polarity. Check all power connections.
Remote control not responding.	Low or dead remote control batteries; not paired with robot.	Replace remote control batteries. Re-pair the remote control with the robot (refer to assembly booklet).
App cannot connect to robot.	Bluetooth is off; robot is off; app not updated; pairing issue.	Ensure robot is on and Bluetooth is enabled on your device. Restart the app and robot. Check for app updates. Try re-pairing through the app.
Robot movements are erratic or weak.	Low battery; loose motor connections; obstruction in gears.	Charge robot battery. Check all motor connections. Inspect gears for any obstructions.
Missing parts during assembly.	Packaging error; parts misplaced.	Carefully check all packaging materials. Contact Mould King customer support if parts are genuinely missing.

Specifications

Model Number:	21075
Brand:	MOULD KING
Product Dimensions (L x W x H):	32.7 x 26.7 x 20.8 cm (12.87 x 10.51 x 8.19 inches)
Number of Parts:	Approximately 1887
Material:	Plastic
Recommended Age:	8-12 years (product description); Manufacturer recommends 14+ years.
Control Method:	Remote Control, Mobile App (Bluetooth)
Educational Objective:	Learning about robotics and engineering principles
Power Source:	Internal rechargeable battery or external batteries (details in assembly guide)

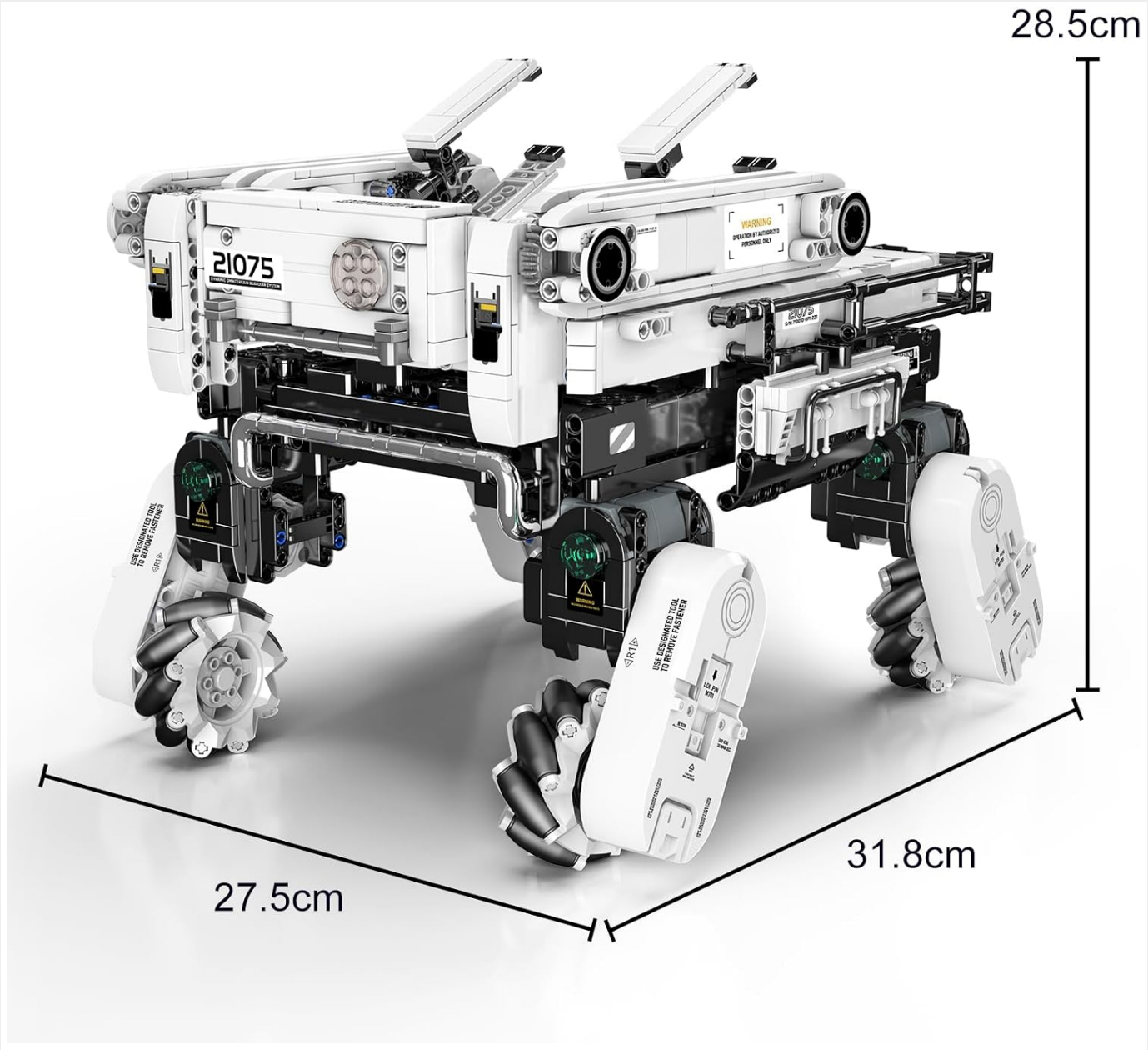

Figure 5: Product dimensions of the Mould King 21075 Robot.

Warranty Information

Specific warranty details for the Mould King 21075 are typically provided with the product packaging or on the manufacturer's official website. Please refer to those resources for comprehensive warranty terms and conditions.

Customer Support

For further assistance, missing parts, or technical support, please contact Mould King customer service.

- **Online Support:** Visit the official Mould King website for FAQs, support resources, and contact forms.
- **Retailer Support:** If purchased from a retailer, you may also contact their customer service for assistance.

You can often find contact information on the product packaging or the Mould King brand store page: Mould King Store.

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