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> Mould King 21075 Robot Dog Building Blocks Instruction Manual

## Mould King 21075

# Mould King 21075 Robot Dog Building Blocks Instruction Manual

## INTRODUCTION

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This manual provides detailed instructions for the assembly, setup, operation, and maintenance of your Mould King 21075 Robot Dog Building Blocks set. Please read this manual thoroughly before beginning assembly or operation to ensure correct usage and to maximize your experience with the product.

# MOULD KING TECHNIK SERIES MOVING ROBOT DOG

NO.21075

1887+pcs

Age 14+(for reference)



Image: The Mould King 21075 Robot Dog Building Blocks set, highlighting its model number, piece count, and recommended age.

## SAFETY INFORMATION

- **Small Parts Warning:** This set contains small parts and is not suitable for children under 3 years due to choking hazards.
- **Recommended Age:** This product is recommended for individuals aged 14 years and older.
- **Battery Safety:** Ensure batteries are inserted with correct polarity. Do not mix old and new batteries, or different types of batteries. Remove batteries if the product will not be used for an extended period.
- **Electrical Components:** Handle electronic components with care. Avoid exposure to water or extreme temperatures.
- **Supervision:** Adult supervision is recommended during assembly and operation, especially for younger users.

## PACKAGE CONTENTS

The Mould King 21075 Robot Dog Building Blocks set includes the following components:

- 1887 Building Block Pieces (sorted into numbered bags)
- 4 x Monster Motors
- 1 x MK4 Battery Box
- 1 x Remote Control
- Mecanum Wheels
- Special Accessories
- Detailed Instruction Manual



Image: Overview of the robot dog's dimensions and included electronic components.

## ASSEMBLY INSTRUCTIONS

Follow the colorful, step-by-step instructions provided in the manual included with your set. The 1887 pieces are organized into numbered bags to simplify the building process. It is recommended to open bags sequentially as indicated in the manual.

1. **Unpack Components:** Carefully open the packaging and verify all numbered bags and the instruction manual are present.
2. **Follow Manual:** Begin assembly by following the detailed illustrations and instructions in the provided manual. Each step will guide you through connecting the building blocks.
3. **Electronic Integration:** Integrate the motors, battery box, and other electronic components as directed by the manual. Ensure all connections are secure.
4. **Final Checks:** After completing assembly, review the model to ensure all parts are correctly attached and the structure is stable.



Image: The Mould King Robot Dog building set, showing the assembled model, packaging, and instruction manual.

## SETUP

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Before operating your Mould King Robot Dog, ensure the power module is correctly installed and the control system is ready.

- **Battery Installation:** Install the required batteries into the MK4 battery box. Refer to the manual for specific battery type and orientation.
- **Remote Control Pairing:** Turn on the robot dog and the remote control. Follow the pairing instructions in the manual to establish a connection.
- **App Control (Optional):** For app control, download the Mould King app from your device's app store. Follow the in-app instructions to connect your robot dog via Bluetooth.

Your browser does not support the video tag.

Video: An official Mould King video demonstrating the assembly process, various features, and control options for the 21075 Robot Dog.

## OPERATING INSTRUCTIONS

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Your Mould King 21075 Robot Dog can be controlled via the included remote control or a dedicated smartphone application. Familiarize yourself with the controls before operating.

### Movement

The robot dog features Mecanum wheels, allowing for omnidirectional movement, including forward, backward,

lateral, diagonal, and rotational motions. Use the joysticks on the remote control or the virtual controls in the app to maneuver the robot.



Image: The Mecanum wheels enable versatile movement, including side-slip driving and rotation.

## Robotic Arms

The robot dog is equipped with two robotic arms that can be manipulated. Each arm can fold into three sections, and the front arm features a terminal that can translate, open, and close like a gripper. Use the designated controls on the remote or app to operate the arms.

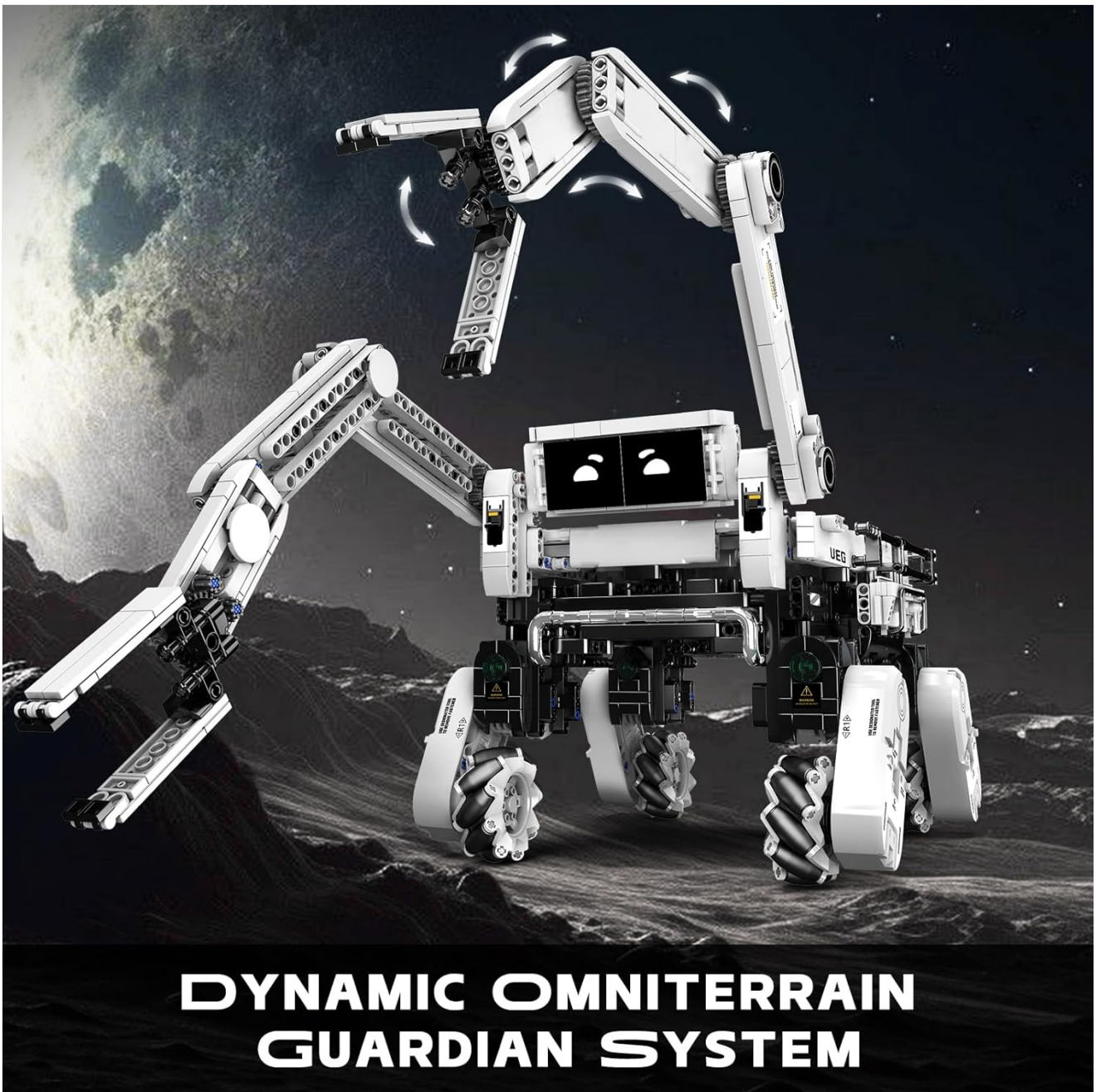


Image: The robot dog's multi-joint robotic arms offer extensive mobility and gripping functions.

### **Changeable Emoticons**

The robot dog's display allows for changeable expressions by switching out sticker panels. This feature adds a customizable element to the robot's appearance.

# BUILT-IN EMOTICONS

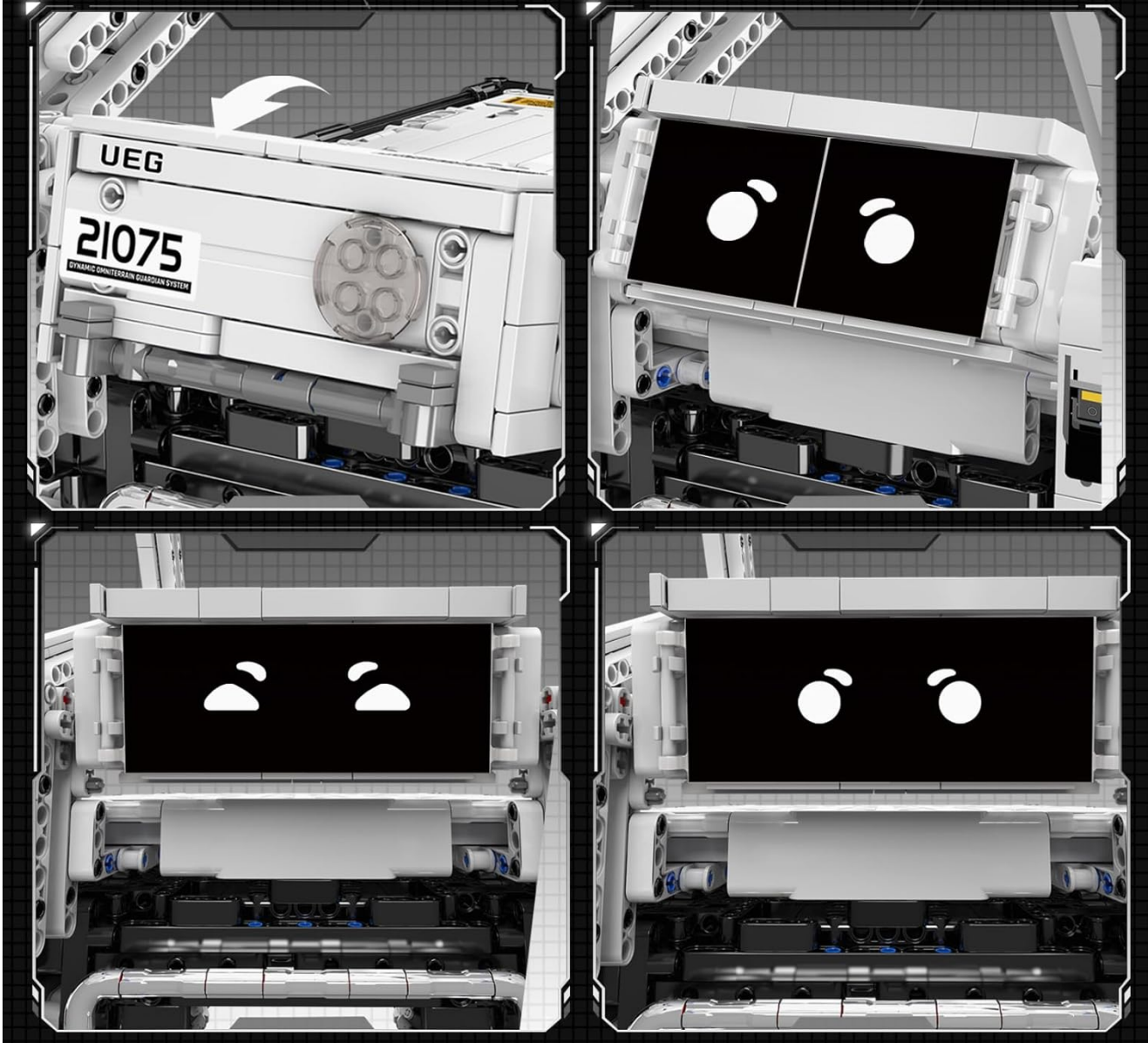


Image: Instructions for switching the robot dog's emoticon display.

## MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Mould King Robot Dog.

- **Cleaning:** Use a soft, dry cloth to clean the building blocks and electronic components. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the assembled model or disassembled blocks in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Remove batteries from the battery box and remote control if the product will not be used for an extended period to prevent leakage.
- **Joint Lubrication:** If any mechanical joints become stiff, a small amount of plastic-safe lubricant can be applied, though this is rarely necessary for building block sets.

## TROUBLESHOOTING

If you encounter issues with your Mould King Robot Dog, refer to the following common solutions:

- **Robot Not Responding:**

- Check battery levels in both the robot and the remote control. Replace if necessary.
- Ensure the robot and remote are properly paired. Refer to the 'Setup' section for pairing instructions.
- Verify all electronic connections within the robot are secure.

- **Wheels Detaching During Operation:**

- This can occur due to excessive pressure during turns or impacts. Reattach the wheels firmly.
- Ensure the axles and connecting pins are fully inserted and secure.

- **Limited Movement or Stuttering:**

- Low battery power can affect motor performance. Charge or replace batteries.
- Check for any obstructions in the wheels or joints.
- Ensure no wires are pinched or disconnected.

- **App Connection Issues:**

- Ensure Bluetooth is enabled on your device.
- Restart the app and the robot dog.
- Check for app updates.

## SPECIFICATIONS

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Feature	Detail
Brand Name	Mould King
Model Name	WX21075
Set Name	21075
Number of Pieces	1887
Item Dimensions (L x W x H)	10.8 x 12.5 x 11.2 inches (27.5cm x 31.8cm x 28.5cm)
Material Type	Plastic
Power Source	Battery (1 A battery included)
Operation Mode	Automatic (Remote Control & App)
Recommended Age	Adult (Manufacturer Minimum Age: 168 months / 14 years)
Educational Objective	Construction Skills
GTIN / UPC	705736243294

## WARRANTY AND SUPPORT

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Mould King products are manufactured to high-quality standards. For any issues or inquiries regarding your Mould King 21075 Robot Dog Building Blocks set, please contact Mould King customer support. Details for contacting

support are typically found on the product packaging or the official Mould King website. Please retain your proof of purchase for warranty claims.