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DIEBA K96165

DIEBA 5-in-1 Robot Building Kit User Manual

Model: K96165

Introduction

The DIEBA 5-in-1 Robot Building Kit offers an engaging and educational experience for children aged 12 and up. This versatile STEM toy allows for the construction of five distinct models: a robot with LED lights, an off-road vehicle, a garden cart, an earth mover, and a tank. Each model can be controlled via a dedicated remote control or a smartphone application, fostering creativity, problem-solving skills, and an understanding of basic programming concepts.



Figure 1: The DIEBA 5-in-1 Robot Building Kit showcasing its multiple configurations and control options. This kit provides diverse building and play experiences, encouraging exploration and creativity.

Safety Information

This product is intended for external use only. Keep small parts away from children under 3 years of age to prevent choking hazards. Adult supervision is recommended during assembly and play. Ensure all electrical components are handled with care and batteries are inserted correctly according to polarity markings. Do not expose the product to water or extreme temperatures.

What's in the Box

Your DIEBA 5-in-1 Robot Building Kit includes:

- 705 Building Blocks (sorted into independent packaging bags for different models)
- Main Control Unit with LED Lights
- Remote Control (requires 2 AAA batteries, not included)
- USB Charging Cable

- Detailed Instruction Manual

Setup and Assembly

Follow the detailed, full-color instructions provided in the manual to assemble your chosen robot model. The manual clearly indicates which pieces are needed for each step, ensuring a smooth building process.

1. Choosing Your Model

The kit allows you to build one of five different models at a time: a robot, an off-road vehicle, a garden cart, an earth mover, or a tank. Select your desired model before beginning assembly.



Figure 2: The kit's versatility allows for the construction of five distinct models, providing varied building and play experiences.

2. Assembling the Blocks

Open the independently packaged bags corresponding to your chosen model. Follow the step-by-step diagrams in the instruction manual. Ensure all connections are firm to maintain structural integrity. The pieces are designed to fit together solidly.



Figure 3: Children and adults collaborating on the assembly of the building kit, highlighting the engaging and educational nature of the activity.

3. Battery Installation (Remote Control)

The remote control requires 2 AAA batteries. Open the battery compartment on the back of the remote control, insert the batteries according to the polarity markings (+/-), and close the compartment securely.

4. Charging the Main Control Unit

Connect the main control unit to a USB power source using the provided USB charging cable. The unit's indicator light will show charging status. A full charge ensures optimal performance.

5. App Download and Connection

For app control, download the official DIEBA app from your device's app store. Once installed, enable Bluetooth on your smartphone and open the app. Follow the in-app instructions to pair with the robot's main control unit. This connection enables advanced control features and programming.

Operating Instructions

The DIEBA Robot Building Kit offers dual control modes: a 2.4GHz remote control and a smartphone app.



Figure 4: The kit supports both a physical 2.4GHz remote control and a smartphone application for versatile operation.

1. Remote Control Operation

Use the included 2.4GHz remote control for direct command of your robot. The remote allows for forward, backward, left, and right movements, as well as 360° rotation stunts. Ensure the robot's main control unit is powered on and paired with the remote.

2. App Control Features

The smartphone app unlocks advanced functionalities:

- **Gravity-Sensing Operation:** Tilt your smartphone to control the robot's movement, providing an intuitive driving experience.
- **Path Mode Operation:** Draw a custom path on your smartphone screen, and the robot will follow it precisely.
- **Programming Interface:** Utilize the drag-and-drop programming interface to create custom action sequences for your robot, introducing basic coding concepts.

3. Robot Features

The robot models feature bright LED eyes and movable joints, enhancing interactive play. Depending on the model built, specific parts like cannons or claws may have additional functionalities such as turning around, rotating, or ejecting.



Figure 5: Detailed view of the robot's interactive features, including illuminated eyes, functional rotating parts, and robust crawler travel.

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Video 1: This video demonstrates the various capabilities of the DIEBA 5-in-1 Robot Building Kit. It showcases the different models that can be built, the bright LED lights, movable joints, and the dual control options (remote and app). The video also highlights advanced app features like gravity sensing, path mode operation, and the programming interface for creating custom action sequences, along with simulated robot battles.

Maintenance

To ensure the longevity of your DIEBA Robot Building Kit:

- **Cleaning:** Wipe blocks and electronic components with a dry, soft cloth. Avoid using water or cleaning solutions.
- **Storage:** Store the kit in a cool, dry place away from direct sunlight and extreme temperatures. Keep blocks organized to prevent loss.
- **Battery Care:** Remove batteries from the remote control if the product will not be used for an extended period.

Troubleshooting

Problem	Possible Cause	Solution
Robot does not move.	Low battery in main unit or remote; incorrect pairing; loose connections.	Charge main unit; replace remote batteries; re-pair remote/app; check all block connections.
App control not working.	Bluetooth not enabled; app not updated; incorrect pairing.	Ensure Bluetooth is on; update app to latest version; re-pair device in app settings.
LED lights not working.	Loose connection to main unit; main unit battery low.	Check LED wiring to main unit; charge main unit.
Blocks do not fit together.	Incorrect block orientation; wrong block for the step.	Refer to the instruction manual for correct orientation and part identification.

Specifications

- **Product Dimensions:** 8.8 x 2.7 x 10.8 inches
- **Item Weight:** 1.8 pounds
- **Model Number:** K96165
- **Manufacturer Recommended Age:** 12 years and up
- **Number of Pieces:** 705 PCS
- **Control:** 2.4GHz Remote Control, Smartphone APP Control

Warranty and Support

All DIEBA products undergo strict testing before shipment. If you have any questions about your purchase, missing parts, or require technical assistance, please do not hesitate to contact our customer service. We are committed to providing a satisfactory solution within 24 hours.
For customer service inquiries, please refer to the contact information provided on the product packaging or the official DIEBA website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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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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