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RAESOOT 214A

RAESOOT 12-in-1 STEM Robot Building Kit

MODEL: 214A

Introduction

This manual provides instructions for the assembly, operation, and maintenance of your RAESOOT 12-in-1 STEM Robot Building Kit, Model 214A. This kit allows for the construction of 12 different robot models, promoting hands-on learning and problem-solving skills.

Safety Information

- **Small Parts Warning:** This kit contains small parts which may pose a choking hazard for children under 3 years old. Adult supervision is recommended during assembly and play.
- **Battery Safety:** The product uses a rechargeable Lithium Metal battery. Do not attempt to open, crush, or expose the battery to extreme temperatures. Dispose of batteries according to local regulations.
- Keep away from water and moisture to prevent electrical damage.

Package Contents

Verify that all components are present before beginning assembly:

- STEM building set components
- Rechargeable battery
- USB-C charging cable
- Detailed instruction manual for 12 models

Assembly Instructions

The RAESOOT 12-in-1 STEM Robot Building Kit allows you to construct 12 distinct robot models. Each

model has its own specific assembly steps detailed in the included instruction manual.

1. Refer to the dedicated building guide provided in the package.
2. Select the desired robot model you wish to build.
3. Follow the step-by-step diagrams and instructions carefully.
4. Ensure all connections are secure to prevent parts from detaching during operation.



Figure 1: Overview of the 12 different robot models that can be constructed from this kit.

BUILD YOUR OWN ROBOT



Figure 2: Examples of assembled robot models from the kit.

Setup

Battery Charging

The robot is powered by a rechargeable battery. Before first use, fully charge the battery.

1. Locate the USB-C charging port on the robot's main power unit.
2. Connect the provided USB-C cable to the robot and a compatible USB power source (e.g., computer, wall adapter).
3. The charging indicator light will illuminate during charging and typically change color or turn off when fully charged. Refer to the specific model's instructions for exact indicator behavior.
4. A full charge allows for extended play time.



Figure 3: Location of the USB-C charging port and control button.

Operating Instructions

Once assembled and the battery is charged, you can operate your robot model.

1. Ensure the robot is placed on a flat, clear surface.
2. Press the power button on the main unit to turn the robot on. (Refer to Figure 3 for button location).
3. The robot will typically begin its programmed movements or respond to direct interaction depending on the model built.
4. To turn off the robot, press the power button again.

Maintenance

- **Cleaning:** Wipe the robot with a dry, soft cloth. Do not use water or cleaning solutions.
- **Storage:** Store the robot and its components in a cool, dry place away from direct sunlight. Disassemble models for compact storage if desired.
- **Battery Care:** For long-term storage, charge the battery to approximately 50% every few months to maintain battery health.

Troubleshooting

- **Robot does not turn on:** Check if the battery is charged. Ensure the power button is pressed firmly.
- **Robot does not move:** Verify that all gears and connections are correctly assembled according to the instruction manual. Ensure the battery is charged.
- **Parts do not fit:** Double-check the instruction manual to ensure you are using the correct parts for the current step and that they are oriented correctly. Do not force parts together.
- **Missing parts:** Review the package contents list. If parts are genuinely missing, contact customer support.

Specifications

Product Dimensions	9.5 x 3.1 x 11.2 inches
Item Weight	1.48 pounds
Item Model Number	214A
Manufacturer Recommended Age	6 years and up
Batteries Required	1 Lithium Metal battery (included)
Manufacturer	SHANTOU CHENGHAI RUICHUANG TOYS FACTORY

Warranty and Support

For any questions, concerns, or issues regarding your RAESOOT 12-in-1 STEM Robot Building Kit, please contact the manufacturer or seller for assistance. Please retain your proof of purchase for warranty claims.