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› Suplanet 5-in-1 STEM Robot Building Kit Instruction Manual (Model K96135)

## Suplanet K96135

# Suplanet 5-in-1 STEM Robot Building Kit Instruction Manual (Model K96135)

Model: K96135 | Brand: Suplanet

## 1. INTRODUCTION

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This manual provides essential instructions for the assembly, operation, and maintenance of your Suplanet 5-in-1 STEM Robot Building Kit. This kit allows for the construction of five distinct models, offering both remote control and app-based programming functionalities. Please read this manual thoroughly before beginning assembly or operation.

## 2. WHAT'S IN THE BOX

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Carefully unpack the contents and verify that all components are present:

- Approximately 495 Building Block Particles
- 1 x Main Control Unit (with integrated Lithium Ion battery)
- 1 x 2.4G Remote Controller
- 1 x USB Charging Cable
- 1 x Lifter Tool
- 1 x Detailed Instruction Manual (for assembly)



Image: The product box displaying the kit contents: 495 pieces, remote controller, lifter, USB charging cable, and the assembly instruction manual.

### 3. ASSEMBLY INSTRUCTIONS

The Suplanet 5-in-1 STEM Robot Building Kit allows for the construction of five distinct models: Robot I, Robot II, Air Defense Vehicle, Dump Truck, and Tank. Detailed step-by-step assembly instructions for each model are provided in the separate printed manual included in your package. Please follow these instructions carefully to ensure correct assembly.

It is recommended to sort the building blocks before starting assembly to facilitate the process.



Image: A visual representation of the five different models that can be constructed from the building kit, showcasing their varied designs and functionalities.

## 4. SETUP

### 4.1 Battery Charging

The main control unit contains a rechargeable Lithium Ion battery. Before first use, fully charge the battery using the provided USB charging cable. Connect the USB cable to the charging port on the main control unit and a standard USB power source (e.g., computer, wall adapter). The charging indicator will show the charging status.

### 4.2 Remote Controller Batteries

The 2.4G Remote Controller requires 2 AAA batteries (not included). Open the battery compartment on the back of the remote controller, insert the batteries with correct polarity, and close the compartment.

### 4.3 App Download and Connection

1. Download the official Suplanet control app from your device's app store (search for "Suplanet Robot" or refer to the QR code in the printed manual).
2. Ensure Bluetooth is enabled on your mobile device.
3. Turn on the main control unit of the robot.

4. Open the app and follow the on-screen instructions to connect to your robot via Bluetooth.

## 5. OPERATING INSTRUCTIONS

The robot can be controlled via the included 2.4G remote controller or through the dedicated mobile application.

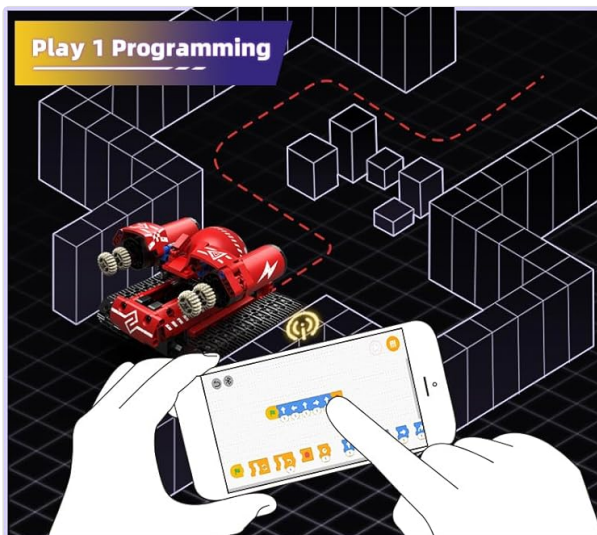
### 5.1 Remote Control Operation

Use the joysticks and buttons on the 2.4G remote controller to maneuver the robot. Refer to the remote controller diagram in your printed manual for specific button functions (e.g., forward, backward, turn, special actions).

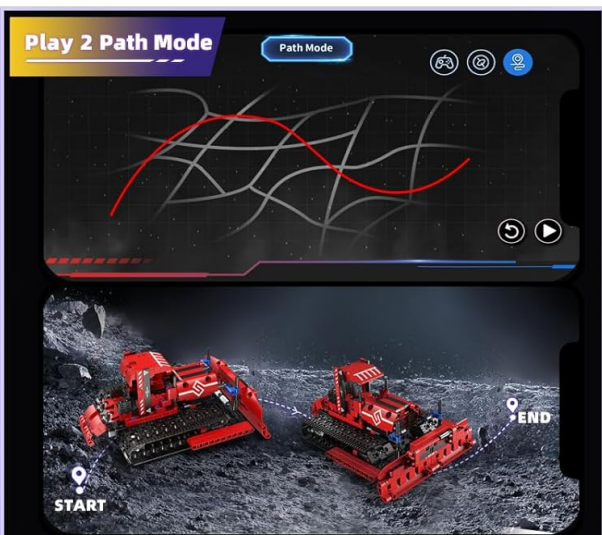
### 5.2 App Control Modes

The Suplanet app offers advanced control and programming options:

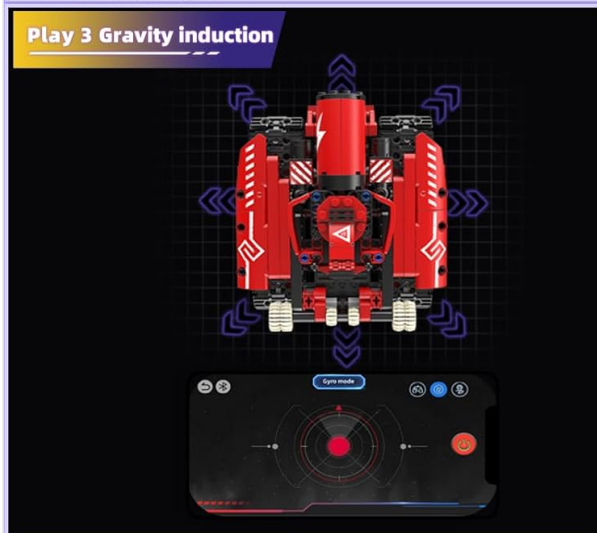
- **Direct Control Mode:** Use virtual joysticks on the app interface for real-time movement.
- **Path Mode:** Draw a path on your device screen, and the robot will follow the drawn route.
- **Gravity Mode:** Utilize your device's gyroscope to control the robot's movement by tilting your phone.
- **Programming Mode:** Drag and drop coding blocks to create custom sequences of movements and actions for the robot. This mode helps develop computational thinking skills.



**App can be programmed to perform specified actions on projects.**



**You can draw a route in the app, and the robot can follow the drawn route.**



**Gravity sensor control allows controlling the path with the movement of your phone.**



**You can use a 2.4GHz remote control to control the robot's movement.**

Image: Demonstrates the various control methods available, including app-based programming, path drawing, gravity sensor control, and traditional remote control.

### 5.3 Robot Features

The robot models feature various movable parts and functionalities:

- 360-degree rotating turrets and heads on certain models.
- Movable joints for dynamic posing and action.
- Detachable gun accessories on specific robot configurations.



Image: Close-up views highlighting key features such as 360-degree rotation capabilities for turrets and heads, and the articulation of joints and detachable weapon components.

### 5.4 Product Video Demonstration

For a visual guide on the robot's capabilities and different models, please watch the official product video:

Video: A demonstration showcasing the five different robot and vehicle models, their assembly, and various control modes including app programming and remote control.

## 6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the robot and remote controller. Avoid using water or

chemical cleaners.

- **Storage:** Store the kit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, charge the main control unit's battery regularly and avoid fully discharging it for extended periods. If storing for a long time, charge it to about 50% every few months.

## 7. TROUBLESHOOTING

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- **Robot not responding:** Check if the robot's main control unit is powered on and fully charged. Ensure the remote controller has fresh batteries or the app is properly connected via Bluetooth.
- **App connection issues:** Verify Bluetooth is active on your device and the robot. Try restarting both the app and the robot. Ensure the app is updated to the latest version.
- **Movement issues:** Inspect the tracks and wheels for any obstructions. Ensure all building blocks are securely connected according to the assembly manual.
- **Programming not working:** Double-check your programming sequence in the app for any logical errors.

## 8. SPECIFICATIONS

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Feature	Detail
Product Dimensions	5.2 x 7.87 x 6.3 inches
Item Weight	1.92 pounds
Item Model Number	K96135
Manufacturer Recommended Age	8 - 18 years
Batteries	1 Lithium Ion battery (included for robot), 2 AAA batteries (not included for remote)
Number of Pieces	495
Control Methods	2.4G Remote Control, Mobile App (Bluetooth)

### 8.1 Model Dimensions

# Product Size



**Robot I:**  
6.29 X 5.82 X 7.8inch  
16 X 14.8 X 20cm



**Robot II:**  
5.9 X 5.9 X 6.85inch  
15 X 15 X 17.4cm



**Air Defense Vehicle:**  
6 X 6.57 X 4.25inch  
15.3 X 16.7 X 10.8cm



**Tank:**  
6 X 6.53 X 4.8inch  
15.2 X 16.6 X 12.3cm



**Dump Truck:**  
6.92 X .8.8 X 4.17inch  
17.6 X 22.4 X 10.6cm

Image: Illustrates the specific length, width, and height measurements for each of the five buildable models, providing a clear size reference.

## 9. SAFETY INFORMATION

- This product contains small parts and is not suitable for children under 3 years old due to choking hazards.
- Adult supervision is recommended during assembly and play, especially for younger users.
- Do not expose the main control unit or battery to water, fire, or extreme temperatures.
- Use only the provided USB charging cable for charging.
- Ensure proper battery polarity when inserting batteries into the remote controller.

## 10. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please refer to the contact information provided in the original product packaging or visit the official Suplanet website. Keep your purchase receipt as proof of purchase.

