

HiWEEGO 8062

HiWEEGO 5-in-1 Remote & App-Controlled Robotic Building Block Set (Model 8062) Instruction Manual

Model: 8062

1. INTRODUCTION

Thank you for choosing the HiWEEGO 5-in-1 Remote & App-Controlled Robotic Building Block Set. This innovative STEM toy allows you to construct five different robotic models: a tech robot, mechanical elephant, engineering bulldozer, battle robot, and exploration tracked vehicle. Designed for ages 12 and up, this set combines the fun of building with the excitement of remote and app-controlled movement, featuring LED eyes, sound effects, and a water spray function. Please read this manual carefully before assembly and operation to ensure a safe and enjoyable experience.

2. SAFETY INFORMATION

- **Small Parts Warning:** This product contains small parts and is not suitable for children under 3 years old due to choking hazards.
- **Adult Supervision:** Adult supervision is recommended during assembly and play, especially for younger users.
- **Battery Safety:** Use only the specified battery type (1 AA battery, included) and follow all battery safety guidelines. Do not mix old and new batteries, or different types of batteries. Ensure batteries are inserted with correct polarity. Remove batteries if the product is not used for an extended period.
- **Water Spray Function:** Use clean water only for the spray function. Do not spray towards eyes or sensitive electronic components.
- **Electrical Components:** Do not attempt to modify or tamper with the electronic components. Keep the motor box and other electrical parts dry.

3. WHAT'S IN THE BOX

Your HiWEEGO Robotic Building Block Set includes the following components:

- Building Blocks (699 pieces)
- RC Control (Remote Controller)
- Motor Box (Rechargeable)
- USB Charging Cable
- User Manual (Detailed assembly instructions for each model)
- Stickers for customization
- 1 AA Battery (for remote control)



Figure 3.1: Overview of included components and accessories.

4. ASSEMBLY INSTRUCTIONS

The HIWEEGO 5-in-1 Robotic Building Block Set offers five distinct models to build. Refer to the included detailed user manual for step-by-step assembly instructions for each specific model. The assembly process is designed to be engaging and educational, enhancing hands-on skills and logical thinking.

4.1 General Assembly Tips

- **Organize Parts:** Before starting, sort the building blocks by type and color to simplify the process.
- **Follow Steps:** Adhere strictly to the sequence provided in the dedicated assembly manual.
- **Check Connections:** Ensure all connections are firm and secure for stable construction and proper function.

4.2 Available Models

You can build the following models:

1. **Tech Robot (Mode A):** A humanoid robot with LED eyes and a spray weapon.
2. **Engineering Bulldozer (Mode B):** A tracked vehicle with a front blade and LED eyes.
3. **Battle Robot (Mode C):** A compact, tracked robot with a powerful cannon.
4. **Exploration Tracked Vehicle (Mode D):** A multi-directional vehicle with a detector arm.
5. **Mechanical Elephant (Mode E):** An elephant-like robot with a spraying trunk.



Figure 4.1: All five robotic configurations possible with the building set.



Figure 4.2: Visual representation of the five distinct robot models.



Figure 4.3: Mode A (Tech Robot) features: spray mist and rotating head.



Figure 4.4: Mode B (Engineering Bulldozer) features: advanced LED digital panel.



Figure 4.5: Mode C (Battle Robot) features: movable nose and ear.



Figure 4.6: Mode D (Exploration Tracked Vehicle) features: rotating and movable arms.



Figure 4.7: Mode E (Mechanical Elephant) features: movable arms and claws.

5. OPERATING INSTRUCTIONS

Once your robot is assembled, you can control it using either the included 2.4GHz remote control or a dedicated smartphone application.

5.1 Powering On

1. Ensure the motor box is fully charged using the provided USB cable.
2. Insert the AA battery into the remote control, observing polarity.
3. Turn on the power switch on the robot's motor box.

5.2 Remote Control Operation

The 2.4GHz remote control allows for direct manipulation of your robot's movements and functions. Refer to the remote control diagram in your physical manual for specific button layouts.

5.3 App Control Operation

For enhanced control and interactive features, download the HiWEEGO app on your smartphone. Scan the QR code provided in the product images or on the packaging to access the download link.



Figure 5.1: HiWEEGO App interface showing various control modes and QR code for download.

The app offers multiple control modes:

- **Driving Mode:** Standard remote control interface for movement.
- **Gravity Sensing Mode:** Control the robot by tilting your smartphone.
- **Path Mode:** Draw a path on your screen, and the robot will follow it.
- **Programming Mode:** Drag and drop command blocks to create custom movement sequences.



Figure 5.2: App control modes for interactive play.

5.4 Special Features

- **Changeable LED Eyes:** The robot's eyes display multiple LED expressions, adding personality to your creation.
- **Dynamic Sound Effects:** The robot emits fun sounds during operation, enhancing the play experience.
- **Water Spray Function:** Attach the simulated spray weapon and add water using a dropper to activate mist emission.



Figure 5.3: LED Digital Display Eyes with unique variable expressions.



Figure 5.4: Instructions for using the water spray feature.

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Video 5.1: An overview of the HiWEEGO Changeable LED Eyes Robot Building Set, demonstrating its various features and transformations.

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Video 5.2: A demonstration of the 5-in-1 Remote & App-Controlled Robotic Building Set in action, showcasing its different modes and control options.

6. BATTERY INFORMATION & CHARGING

- **Robot Motor Box:** The robot's motor box is rechargeable. Use the provided USB charging cable to connect it to a compatible USB power source (e.g., computer, wall adapter). A full charge allows for extended play.
- **Remote Control:** The remote control requires 1 AA battery (included). Ensure correct polarity when inserting.
- **Charging Indicator:** Refer to the motor box for charging indicator lights (if any) to determine charging status.



Figure 6.1: USB Charging and Rechargeable feature of the robot.

7. MAINTENANCE

- **Cleaning:** Wipe the robot and remote control with a dry, soft cloth. Do not use harsh chemicals or immerse in water.
- **Storage:** Store the building set in a cool, dry place away from direct sunlight and extreme temperatures.
- **Disassembly:** If you wish to build a different model, carefully disassemble the current one to avoid

damaging the blocks.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Robot does not move or respond.	Low battery in motor box or remote control. Incorrect power connection.	Charge the motor box. Replace AA battery in remote control. Ensure all power connections are secure.
App control not connecting.	Bluetooth not enabled. App not paired with robot.	Ensure Bluetooth is enabled on your smartphone. Follow app instructions to pair with the robot. Restart both the app and the robot.
Water spray not working.	No water in the reservoir. Obstruction in the nozzle.	Refill the water reservoir. Gently check for and clear any obstructions in the spray nozzle.
Robot moves erratically.	Loose connections in assembly. Interference.	Check all building block connections. Ensure no other 2.4GHz devices are causing interference.

9. SPECIFICATIONS

- **Product Dimensions:** 10 x 10 x 10 inches
- **Item Weight:** 8 ounces
- **Model Number:** 8062
- **Manufacturer Recommended Age:** 12 years and up
- **Batteries:** 1 AA battery required (included) for remote control. Robot motor box is rechargeable.
- **Control:** 2.4GHz Remote Control & Smartphone App
- **Features:** 5-in-1 transformable designs, LED eyes, sound effects, water spray function.

10. WARRANTY AND SUPPORT

For any questions, concerns, or support needs regarding your HiWEEGO Robotic Building Block Set, please contact our customer service. Refer to the product packaging or the official HiWEEGO website for contact details. Please retain your purchase receipt for warranty purposes.