EUDAX EH-18SET-BBG

EUDAX 465PCS DC Motor Kit Instruction Manual

Brand: EUDAX | **Model:** EH-18SET-BBG

Introduction

The EUDAX 465PCS DC Motor Kit is an electronic science experimentation kit designed to inspire and motivate learning in science, technology, engineering, and mathematics (STEM). This comprehensive kit provides a wide range of accessories for creating various projects, fostering hands-on ability, creativity, and problem-solving skills. It is suitable for children's school science and STEM engineering programs.



Figure 1: The EUDAX DC Motor Kit encourages skill development and imaginative play.



Figure 2: Engaging in STEM projects with adult supervision.

Safety Information

Warning: Choking Hazard - Small Parts
This toy contains small parts that may pose a choking hazard. Keep out of reach of children under 3 years old. Adult supervision is recommended.

Warning: Sharp Objects
This toy may contain sharp objects such as scissors or small detachable parts with sharp edges. Use with caution and under adult supervision.

Warning: Adult Assembly Required
Some assembly may be required for this toy. Adult assembly is recommended. Follow assembly instructions carefully.

Warning: Battery Safety
If this toy requires batteries, only use batteries of the type and size recommended by the manufacturer. Do not mix old and new batteries. Remove batteries from the toy when not in use for an extended period of time. Do not attempt to

recharge non-rechargeable batteries.

General Precautions:
Please control the usage time; use time should not exceed 5 minutes each time to avoid short circuits. When your project is completed or unattended, it is recommended that you turn off the switch, remove the battery, and store it properly. Be careful of scald caused by short circuits. Children must use this kit under the supervision of adults.

What's in the Box

The EUDAX 465PCS DC Motor Kit includes the following components:

- 100x Craft Wood Chips (with holes)
- 100x Craft Wood Chips (without holes)
- 70x Wooden Sticks (±5pcs)
- 12x DC Motors (3V - 12V, 25000 RPM)
- 6x Rocker Switches
- 6x 9V Battery Clip Connectors
- 12x 2x AA Battery Holders
- 12x DC Motor Mounting Bracket Holders (small size)
- 9x DC Motor Mounting Bracket Holders (large size)
- 12x 30mm Plastic Wheels (Random Color)
- 14x Metal Shafts (6pcs 2*100mm, 4pcs 2*50mm, 4pcs 2*30mm)
- 6x 2mm Shaft Propellers with 4 Vanes (Random Color)
- 6x 2mm Shaft Propellers with 3 Vanes (Yellow & Red)
- 9x LEDs (Random Color)
- 9x Quick Connectors
- 9x Generator DC Motors
- 12x Pulleys
- 8x Rubber Bands
- 60x Bushings
- 2x Worm Gears
- 1x Scissors
- 1x English Color Page Manual



Figure 3: All components included in the EUDAX 465PCS DC Motor Kit.

Tools You May Need

In addition to the components provided in the kit, you may need to prepare the following tools for assembly and project creation:

- Hot melt glue gun (or super glue) for bonding parts.
- Pencils for marking.
- Ruler for accurate measurements.
- AA and 9V batteries (not included).
- Mineral water bottles and disposable cups for certain projects.



Figure 4: Recommended additional tools and supplies.

Setup and Assembly

This kit allows for the assembly of at least 16 different projects, with possibilities for free creation. A detailed English color page manual is included to guide you through the assembly process for various projects. It is highly recommended to read this instruction manual thoroughly before beginning any assembly.

Follow the step-by-step instructions provided in the included manual for each specific project. Ensure all connections are secure and components are correctly oriented. Adult supervision is crucial during assembly, especially when handling small parts or using tools like glue guns.

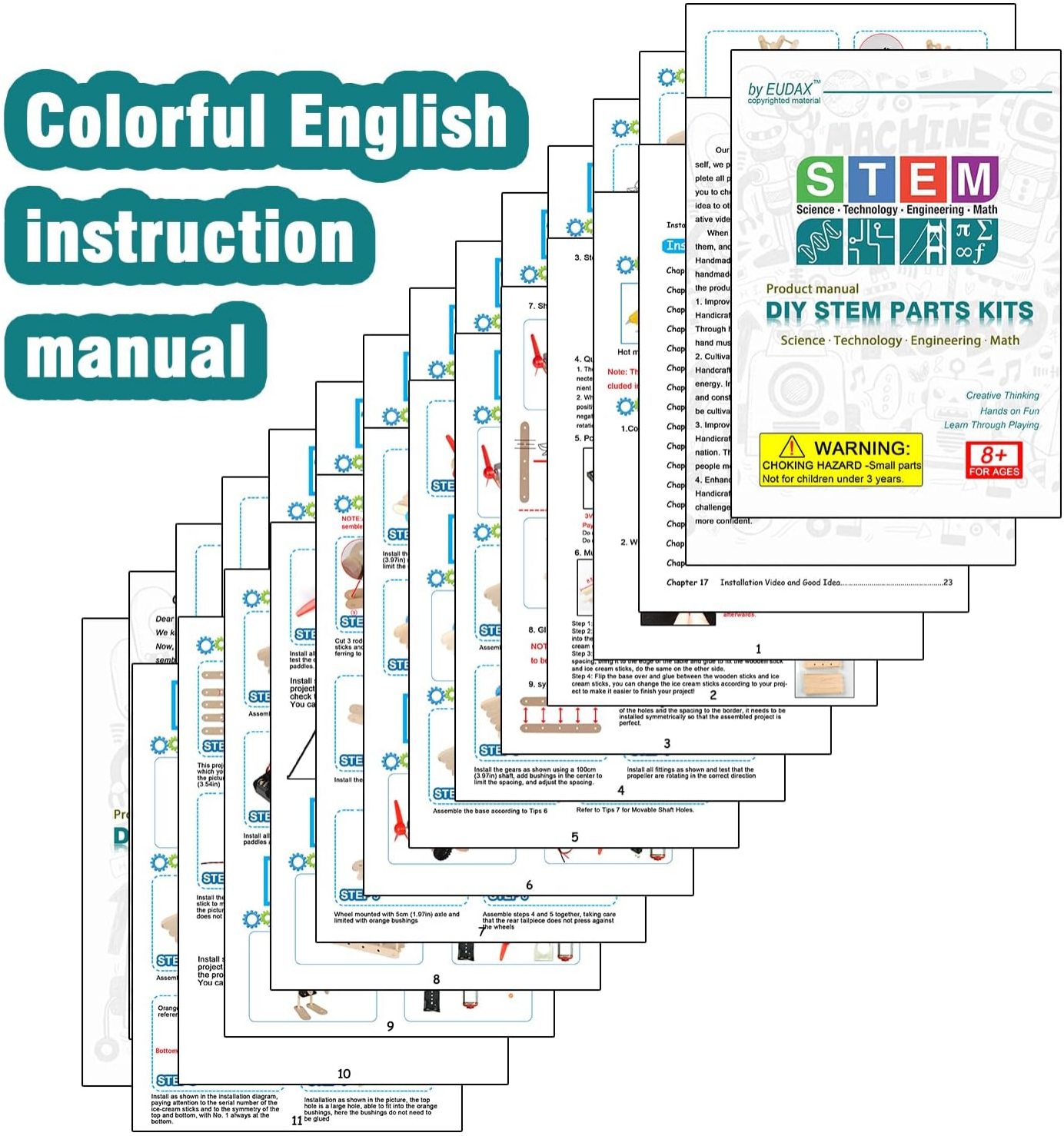


Figure 5: The included colorful English instruction manual provides detailed assembly steps.

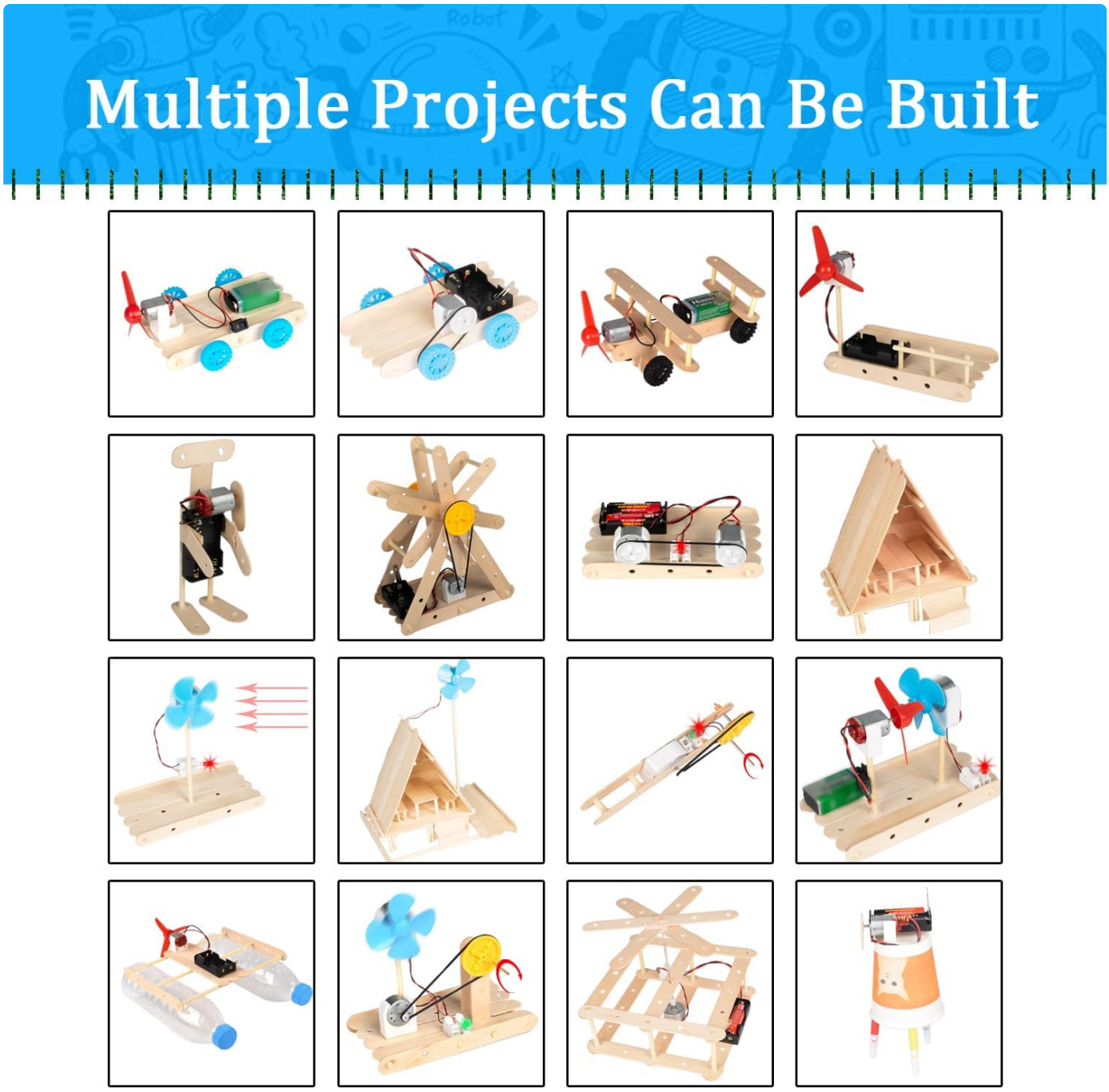


Figure 6: Examples of multiple projects that can be built with the kit.

Operating Instructions

Once a project is assembled, insert the required batteries (AA or 9V, depending on the project) into the designated battery holders. Ensure correct polarity. Use the rocker switches to activate the motors or LEDs. Observe the movement and functionality of your creations.

To prevent overheating and potential short circuits, limit continuous operation of any project to a maximum of 5 minutes per session. Always supervise children during operation.

Maintenance

To ensure the longevity of the kit components and for safety, follow these maintenance guidelines:

- After each use or when the project is unattended, turn off all switches.
- Remove batteries from battery holders if the kit will not be used for an extended period.

- Store all components in a dry, cool place, away from direct sunlight and moisture.
- Keep small parts organized to prevent loss.
- Periodically check electrical connections for any signs of wear or damage.

Troubleshooting

If you encounter issues with your projects, consider the following troubleshooting steps:

- **Project Not Working:** Check battery installation for correct polarity. Ensure batteries are fresh and fully charged. Verify all wire connections are secure and switches are in the 'ON' position.
- **Motor Not Spinning:** Confirm the motor is correctly connected to the power source and switch. Check for any obstructions preventing the motor from turning. Ensure the motor is receiving adequate voltage (3V-12V).
- **Parts Not Fitting:** Refer to the instruction manual to ensure you are using the correct parts for each step. Some wooden sticks or shafts may require gentle force or minor adjustments to fit into holes. If parts consistently do not fit, double-check measurements against the manual's diagrams.
- **Short Circuit Concerns:** If components become hot or batteries drain quickly, immediately disconnect the power source. Re-examine all wiring for any exposed wires touching each other or incorrect connections.

Specifications

Feature	Detail
Brand Name	EUDAX
Model Number	EH-18SET-BBG
Item Type Name	DIY STEM PARTS KIT
Number of Items	465 Count
Material Type	Metal, Plastic, Wood
Recommended Age	8 years and up
Educational Objective	Creative Skills, Hand-Eye Coordination, Imagination Development, Problem Solving Skills, STEM
Battery Description	Alkaline (not included)
Item Dimensions	11.8 x 8.4 x 2.36 inches

Warranty Information

Specific warranty details for the EUDAX 465PCS DC Motor Kit are not provided in the product information. For inquiries regarding warranty coverage or product defects, please contact the manufacturer directly.

Support

For technical assistance, missing parts, or any other support needs, please reach out to EUDAX customer service. Contact information can typically be found on the product packaging or the official EUDAX 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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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.

Submit question