

Suplanet K96189

Suplanet 5-in-1 Airplane Building Block Set K96189 Instruction Manual

Model: K96189 | Brand: Suplanet

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1. INTRODUCTION

The Suplanet 5-in-1 Airplane Building Block Set K96189 is an innovative STEM toy designed to engage users aged 8-14 in creative construction and programming. This kit allows for the assembly of five distinct aircraft models from 325 building block pieces, offering versatile play and educational opportunities. Each model can be controlled via a 2.4GHz remote control or a dedicated mobile application, fostering basic programming skills and enhancing fine motor development.



Image 1.1: The Suplanet 5-in-1 Airplane Building Block Set K96189, featuring a helicopter model and highlighting its STEM educational benefits.

2. SAFETY INFORMATION

WARNING: Choking Hazard - Small Parts. Not for children under 3 years of age.

- Always supervise children during assembly and play.
- Keep small parts away from infants and young children to prevent choking.
- Do not ingest any components of the building block set.
- Ensure the product is used on a flat, stable surface to prevent accidental falls or damage.
- Do not modify the product in any way not specified in this manual.

3. WHAT'S IN THE BOX

Your Suplanet 5-in-1 Airplane Building Block Set K96189 includes the following components:

- 325 Building Block Parts
- 1 x 2.4G Remote Controller
- 1 x USB Charging Cable
- 1 x Motor
- 1 x Instruction Manual
- 1 x 9V Battery (included)

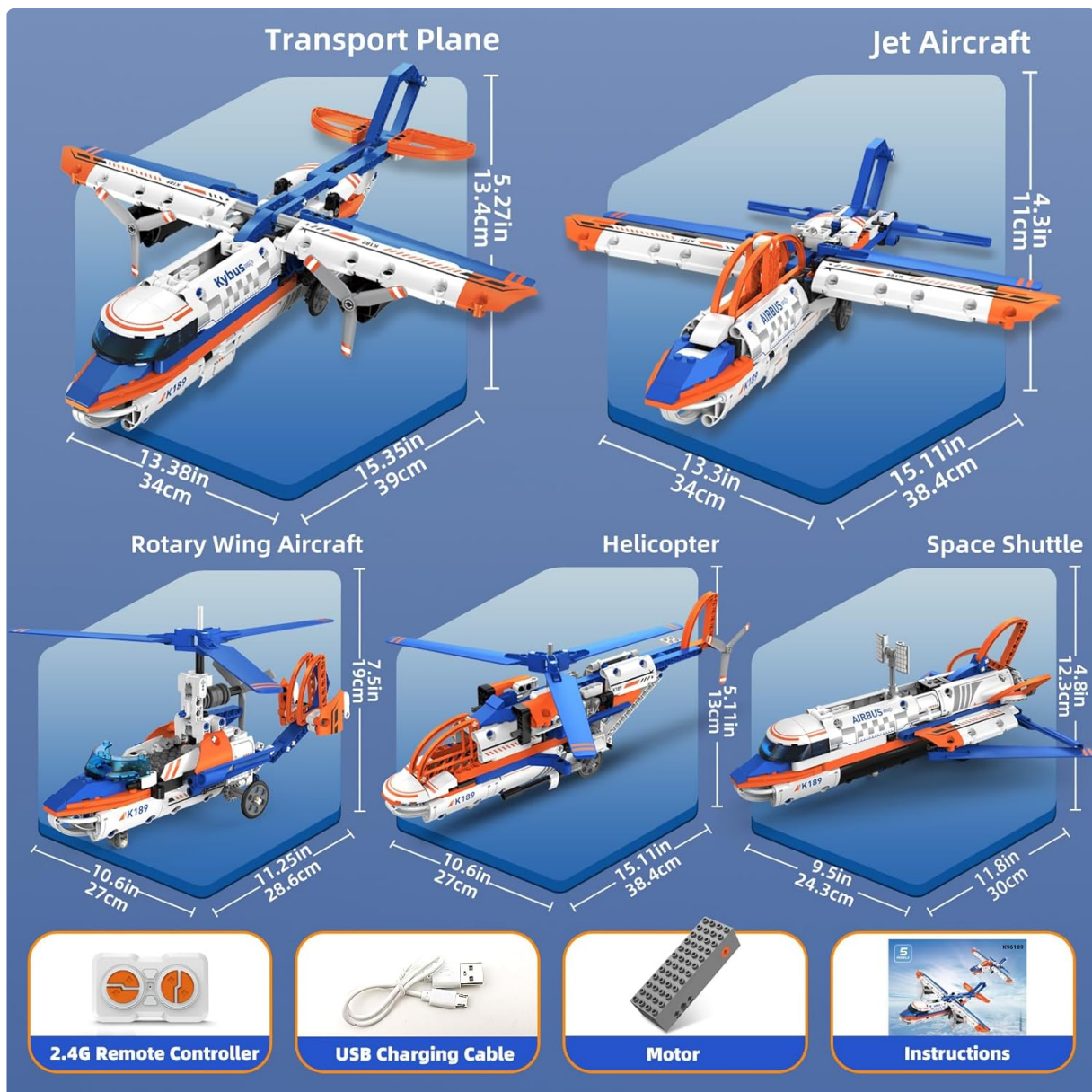


Image 3.1: The complete set of components for the Suplanet 5-in-1 Airplane Building Block Set K96189, including the remote control, charging cable, motor, and instruction manual.

4. ASSEMBLY INSTRUCTIONS

The Suplanet 5-in-1 Airplane Building Block Set K96189 allows you to construct five different aircraft models: a Transport Plane, Jet Aircraft, Rotary Wing Aircraft, Helicopter, and Space Shuttle. Detailed, step-by-step instructions for each model are provided in the included Instruction Manual.

4.1 General Assembly Tips

- **Organize Parts:** Before starting, sort the 325 building block parts by color and shape to simplify the assembly process.
- **Follow the Manual:** Refer to the comprehensive Instruction Manual for precise guidance on building each of the five models.
- **Secure Connections:** Ensure all blocks are firmly connected to prevent models from falling apart during play.
- **Take Your Time:** Building can be a rewarding experience; do not rush the process.

4.2 Available Models

The kit includes instructions for the following models:

- Transport Plane
- Jet Aircraft
- Rotary Wing Aircraft
- Helicopter
- Space Shuttle



Image 4.1: An overview of the five distinct aircraft models that can be constructed from the Suplanet 5-in-1 Building Block Set.



Spiral propeller can rotate



The pulley can move forward



Spiral propeller can rotate



The detector is movable

Image 4.2: Detailed view of functional elements on the models, such as rotating propellers and movable pulleys.

5. OPERATING INSTRUCTIONS

Your Suplanet K96189 aircraft model can be controlled using either the included 2.4GHz remote controller or a dedicated mobile application.

5.1 Remote Control Operation

- Ensure the 9V battery is correctly installed in the remote controller.
- Turn on the aircraft model and the remote controller.
- Pair the remote controller with the aircraft according to the instructions in the manual.
- Use the directional buttons to control movement and other functions.

5.2 Mobile Application Control

Download the free Power Box APP from your device's app store. The app offers advanced control features:

- **Programming Mode:** Utilize a graphical programming interface to drag-and-drop commands, allowing children to learn basic coding and design custom motion patterns. Saved patterns can be easily recalled.

- **Path Control:** Define a specific path or trajectory for the aircraft to follow, useful for precise movements or tracing shapes.
- **Gravity Induction:** Control the aircraft's movement by tilting your mobile device, using its accelerometer to adjust speed or direction based on orientation.
- **APP Remote Control:** A graphical interface provides intuitive control over the aircraft's movement, speed, and specific actions.

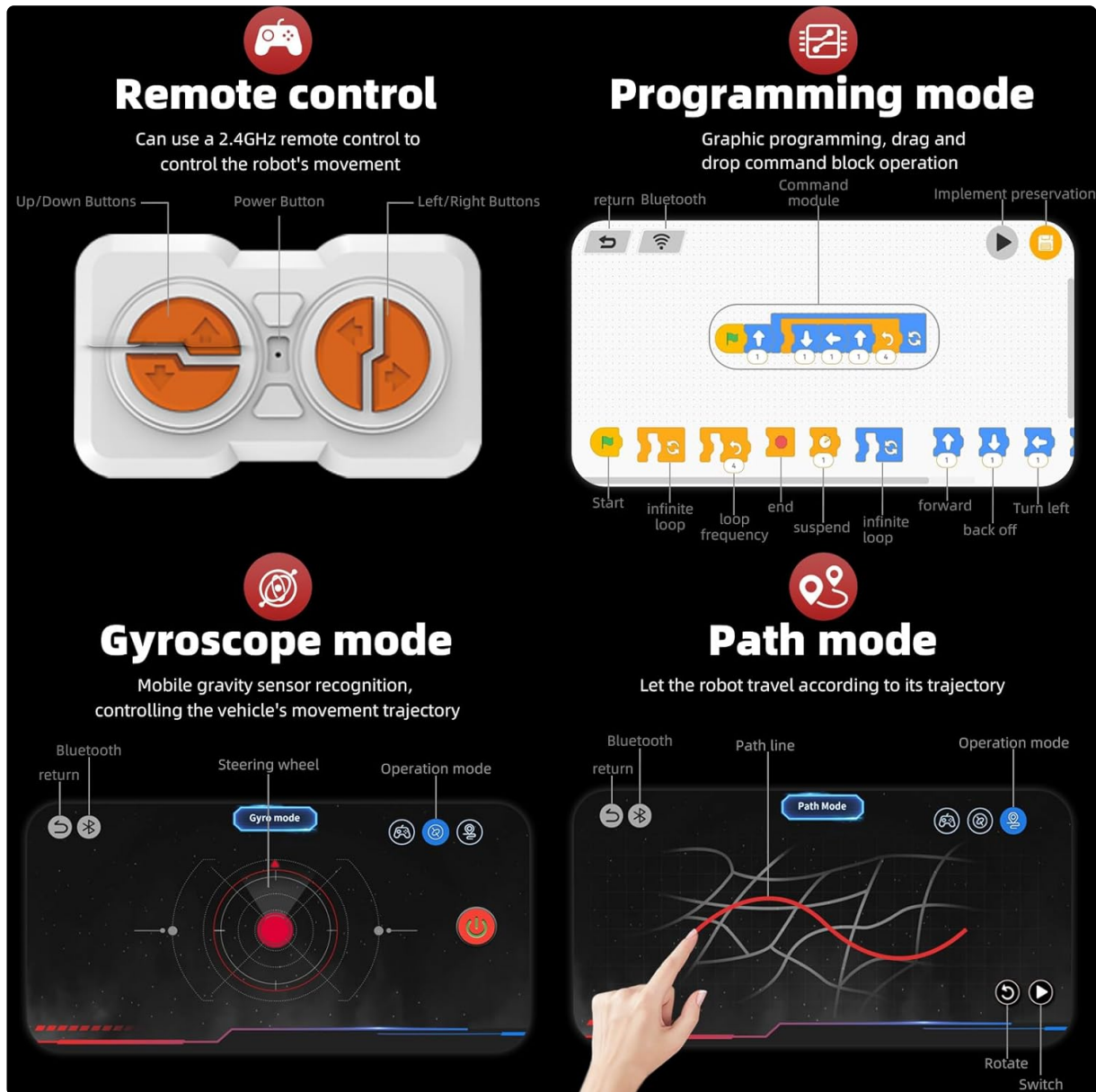


Image 5.1: Overview of remote control and app-based control modes, including programming, gyroscope, and path control.

Video 5.1: Demonstration of the 5-in-1 aircraft models, showcasing their assembly, flight simulation, and control via both 2.4GHz remote and smartphone application, including gravity sensing and path mode operations.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Suplanet K96189 building block set.

- **Cleaning:** Wipe the building blocks and electronic components with a dry, soft cloth. Avoid using water or harsh cleaning agents.
- **Storage:** Store the set in a cool, dry place away from direct sunlight and extreme temperatures.

Keep all parts in their original packaging or a designated storage container to prevent loss.

- **Battery Care:** Remove the 9V battery from the remote controller if the toy will not be used for an extended period. Recharge the motor's battery using the provided USB charging cable as needed.
- **Inspection:** Periodically check for any loose or damaged parts. Replace any broken components to maintain structural integrity and safety.

7. TROUBLESHOOTING

If you encounter any issues with your Suplanet K96189 set, refer to the following common solutions:

Problem	Possible Cause	Solution
Aircraft does not respond to remote/app.	Low battery, improper pairing, interference.	Ensure batteries are charged/replaced. Re-pair the remote/app following manual instructions. Move away from other electronic devices.
Motor not working.	Battery not charged, loose connection.	Charge the motor's battery using the USB cable. Check all connections to the motor are secure.
Blocks do not fit together or fall apart easily.	Incorrect assembly, worn blocks.	Double-check the instruction manual for correct placement. Ensure blocks are pressed firmly together.
App connectivity issues.	Bluetooth not enabled, app outdated.	Ensure Bluetooth is enabled on your device. Update the Power Box APP to the latest version.

If the problem persists after trying these solutions, please contact Suplanet customer support.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	15.35 x 13.38 x 5.27 inches
Item Weight	1.65 pounds
Item Model Number	K96189
Manufacturer Recommended Age	8 - 11 years
Batteries	1 x 9V battery required (included)
Control Method	2.4GHz Remote Control, Mobile APP Control (Power Box APP)
Number of Pieces	325 PCS
Number of Models	5 (Transport Plane, Jet Aircraft, Rotary Wing Aircraft, Helicopter, Space Shuttle)

9. WARRANTY AND SUPPORT

Suplanet is committed to providing high-quality products and customer satisfaction. While specific warranty details are not provided in this manual, please retain your proof of purchase for any warranty claims.

For product support, technical assistance, or inquiries regarding missing/damaged parts, please contact Suplanet customer service through the retailer where the product was purchased or visit the official Suplanet website for contact information. We are dedicated to resolving any issues you may encounter.