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Sillbird CA-B886

Sillbird Robot Building Kit Instruction Manual

Model: CA-B886

1. Introduction

The Sillbird Robot Building Kit offers an engaging and educational experience for children aged 6 and up, fostering STEM skills through hands-on construction and interactive play. This versatile kit allows for the creation of six different robotic models, including a dynamic stunt car, providing varied levels of building challenge and extended play value. With 631 pieces, the robot can be controlled via both a dedicated remote control and a Bluetooth-enabled smartphone application, offering programming capabilities and customizable features like multi-color eye illumination.



Figure 1.1: Sillbird Robot Building Kit showcasing the main robot and various alternative models.

2. Safety Information

Please note that no specific safety information was provided with this product. Always supervise children during assembly and play. Ensure all small parts are kept away from young children to prevent choking hazards. Do not attempt to modify the electronic components or battery. Use only the provided charging cable and power source.

3. What's in the Box

Your Sillbird Robot Building Kit includes the following components:

- 631 Building Pieces (various shapes and sizes)
- 1 x Remote Control
- 1 x Rechargeable Lithium Ion Battery (pre-installed or separate, as included)
- 1 x USB Charging Cable
- 1 x Instruction Manual (this document)
- Sticker Sheet for Decoration
- 2 x High-Performance Motors (integrated into the main unit)

4. Setup

4.1 Assembly

The Sillbird Robot Building Kit offers six distinct models to construct, ranging in complexity. Begin by identifying the model you wish to build from the instruction manual. Follow the clear, colorful, step-by-step instructions provided in the included manual. Each model is designed to enhance motor skills and problem-solving abilities.



Figure 4.1: Step-by-step assembly process with clear instructions.



Figure 4.2: Six unique models can be built from the same kit, offering diverse challenges.

4.2 Battery Installation and Charging

The robot is powered by an included rechargeable Lithium Ion battery. Ensure the battery is fully charged before first use for optimal performance. Connect the provided USB charging cable to the robot's charging port and a compatible USB power source. The charging indicator will typically show a specific color (refer to the manual for details) when charging and change when fully charged. A full charge provides up to 30 minutes of continuous play.

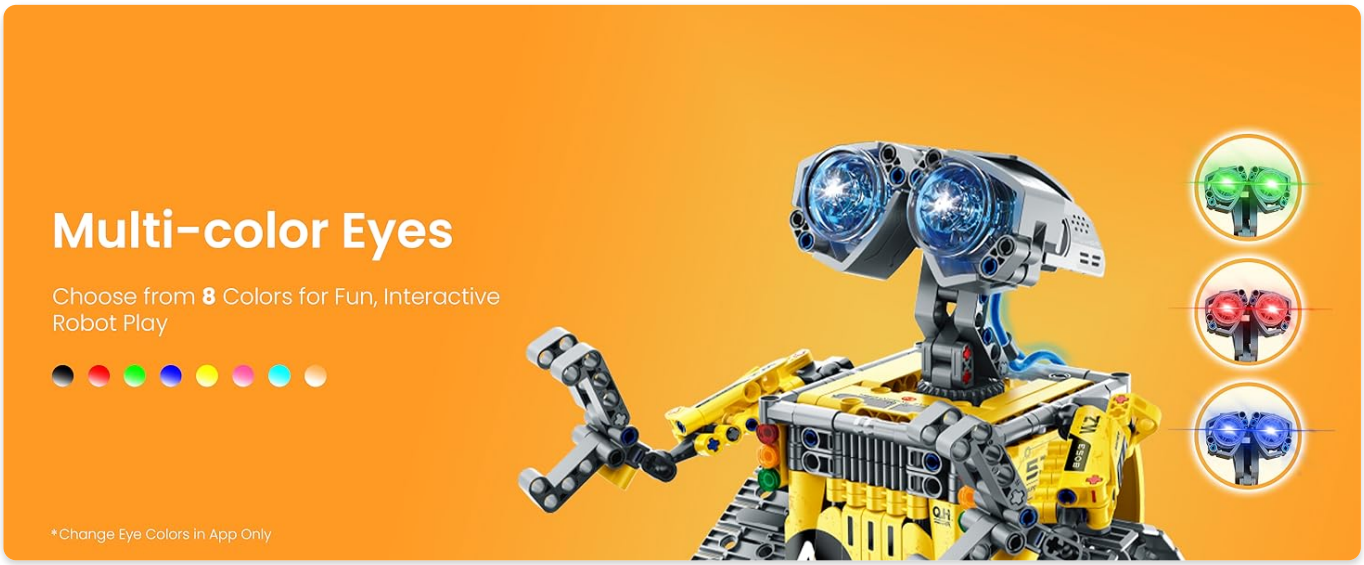

Figure 4.3: Rechargeable battery for extended play sessions.

4.3 App Connection

For advanced control and programming features, download the official Sillbird robot application from your device's app store. Ensure Bluetooth is enabled on your smartphone or tablet. Open the app and follow the on-screen instructions to pair your device with the robot. Once connected, you can access various control modes and coding functionalities.

▶ **Watch video online**

Video 4.1: Demonstration of remote and app control for the robot.

5. Operation

5.1 Remote Control Operation

The included remote control provides intuitive command over the robot's movements. Use the joysticks or directional buttons to move the robot forward, backward, and turn. Familiarize yourself with the remote's layout for precise control during play.



Figure 5.1: Remote control for direct robot manipulation.

5.2 App Control and Coding

The app offers enhanced control options, including graphical programming for young minds to learn basic coding. Drag and drop command blocks to create sequences of movements and actions for your robot. The app also allows customization of the robot's eye colors, offering 8 different options to personalize your play experience.



Figure 5.2: App-based control and coding interface.



Figure 5.3: Customizable multi-color eyes via the app.

5.3 Movement and Stunts

Equipped with two high-performance motors, the robot is capable of fast movements and exciting stunts, including drifting and flipping, especially in its stunt car configuration. Its classic robot design allows for realistic movement and posing, enhancing interactive play.



Figure 5.4: High-speed action and stunt capabilities.

▶ **Watch video online**

Video 5.1: Various movements and transformations of the Sillbird robot.

6. Maintenance

To ensure the longevity and optimal performance of your Sillbird Robot Building Kit, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe down the robot with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive materials.
- **Battery Care:**
  - Charge the battery fully before long-term storage.
  - Do not overcharge or completely drain the battery.
  - Store the robot and battery in a cool, dry place away from direct sunlight and extreme temperatures.
- **Component Check:** Periodically inspect all building pieces and connections to ensure they are secure. Reassemble any loose parts to maintain structural integrity.

7. Troubleshooting

If you encounter any issues with your Sillbird Robot Building Kit, please refer to the following common troubleshooting steps:

Problem	Solution
Robot does not move.	Ensure the robot's power switch is ON. Check if the battery is charged. Recharge if necessary. Verify that the remote control or app is properly paired via Bluetooth. Inspect all motor connections and gears for obstructions or loose parts.
Lights are not working.	Confirm the robot is powered on. Check the connections of the light components. Ensure the app's eye color settings are active.
Difficulty with app connection.	Make sure Bluetooth is enabled on your device. Restart the app and the robot. Ensure your device is within the recommended Bluetooth range. Check for any app updates.
Parts are loose or fall off.	Refer to the instruction manual and re-attach the parts securely. Ensure all connectors are fully inserted.

8. Specifications

- **Model Number:** CA-B886
- **Product Dimensions:** 6 x 7 x 8 inches
- **Item Weight:** 2.27 pounds
- **Manufacturer:** Sillbird
- **Recommended Age:** 6 years and up
- **Battery:** 1 x Lithium Ion (included)

- **Control Method:** Remote Control, Bluetooth App Control
- **Number of Pieces:** 631
- **Build Options:** 6-in-1 Transformable Models

9. Warranty and Support

Sillbird is committed to providing quality educational toys and excellent customer service. While specific warranty details are not provided in this manual, for any product-related inquiries, technical support, or assistance with missing parts, please contact our customer support team.

Customer Support Email: service@sillbird.com

All emails are typically replied to within 24 hours.



Figure 9.1: Fast customer support available via email.

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