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Sillbird B880-C

Sillbird Robot Building Kit B880-C Instruction Manual

Model: B880-C | Brand: Sillbird

INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Sillbird Robot Building Kit, model B880-C. Designed to foster STEM learning, this 468-piece kit allows users to construct a remote-controlled robot with coding capabilities. Please read this manual thoroughly before beginning assembly or operation to ensure proper use and longevity of the product.



Image: The Sillbird B880-C Robot Building Kit, showcasing the assembled robot, remote control, and smartphone app interface.

SAFETY INFORMATION

WARNING: CHOKING HAZARD — Small parts. Not for children under 3 years. Adult supervision is recommended during assembly and play, especially for younger users.

- Keep all small parts away from young children to prevent accidental ingestion.
- Do not expose the robot or its components to water or excessive moisture.
- Avoid disassembling the battery pack or attempting to modify the electronic components.
- Ensure the robot is used on a flat, clear surface to prevent falls or damage.

PACKAGE CONTENTS

Verify that all components are present before beginning assembly. The package should contain:

- 468 Building Blocks and Components

- 1 Remote Control
- 1 Rechargeable Lithium-Ion Battery (pre-installed or separate)
- 1 USB Charging Cable
- 1 Detailed Instruction Manual (this document)
- Sticker Sheet for Decoration



Image: A child and an adult engaged in assembling the robot, with various building blocks and the instruction manual visible.

ASSEMBLY INSTRUCTIONS

The Sillbird B880-C Robot Building Kit includes a comprehensive, colorful, and easy-to-follow guide for assembly. Please refer to the printed instruction manual provided in the box for step-by-step building directions.

1. **Unpack Components:** Carefully open all numbered bags containing the building blocks. It is recommended to organize parts by type or color to facilitate assembly.
2. **Follow the Guide:** Proceed through the included instruction manual page by page. Each step illustrates the

required parts and their placement.

3. **Connect Electronic Modules:** Pay close attention when connecting the motor, battery, and control unit. Ensure all connections are secure and correctly oriented as shown in the manual.
4. **Test Functionality:** Periodically test movable parts during assembly to ensure they are correctly installed and move freely.

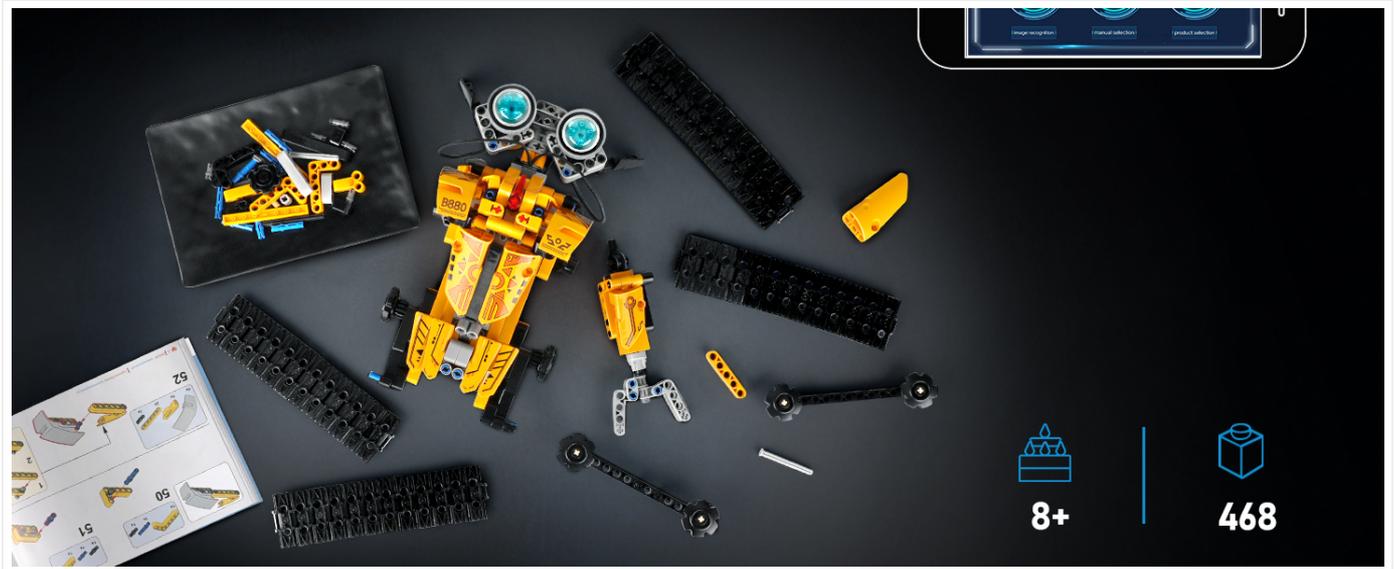


Image: Various robot building components, including tracks, gears, and structural pieces, laid out next to an open instruction manual.

SETUP

Battery Installation and Charging

The robot is powered by a rechargeable Lithium-Ion battery. Ensure the battery is fully charged before first use.

1. **Locate Battery Compartment:** Refer to the assembly manual to identify the battery compartment within the robot's main body.
2. **Insert Battery:** If not pre-installed, carefully insert the Lithium-Ion battery into its designated slot, ensuring correct polarity.
3. **Charge Battery:** Connect the provided USB charging cable to the robot's charging port and to a standard USB power source (e.g., computer, wall adapter). The charging indicator light will illuminate.
4. **Charging Time:** A full charge typically takes approximately 60-90 minutes and provides up to 40 minutes of continuous playtime. The indicator light will change or turn off when charging is complete.

40 Minute Fully charged to play



Image: The assembled robot with a charging cable connected to its power port, highlighting its 40-minute playtime on a full charge.

OPERATING INSTRUCTIONS

Powering On/Off

Locate the power switch on the robot's main body. Slide the switch to the 'ON' position to power on the robot. Slide to 'OFF' to power down.

Control Methods

The Sillbird B880-C robot can be controlled via two methods: the included 2.4G remote control or a dedicated Bluetooth smartphone application.

1. Remote Control Operation

- **Pairing:** Ensure the robot is powered on. Turn on the remote control. The remote and robot should automatically pair. If not, refer to the troubleshooting section.
- **Movement:** Use the joysticks or directional buttons on the remote to control the robot's forward, backward, left, and

right movements.

- **Arm/Head Control:** Specific buttons on the remote may control the robot's movable arms or head, allowing for various poses and interactions.

2. Smartphone App Control (Bluetooth)

Download the official Sillbird robot control app from your device's app store or by scanning the QR code in the assembly manual.

1. **Install App:** Download and install the 'Sillbird Robot' app on your smartphone or tablet.
2. **Enable Bluetooth:** Ensure Bluetooth is enabled on your device.
3. **Connect to Robot:** Open the app and follow the on-screen instructions to connect to your B880-C robot via Bluetooth.
4. **Control Modes:** The app offers multiple control modes:
 - **Path Mode:** Draw a path on your screen, and the robot will follow it.
 - **Programming Mode:** Drag and drop coding blocks to create custom sequences of actions, promoting STEM learning.
 - **Voice Control:** Use voice commands to direct the robot (ensure your device's microphone is enabled).
 - **Remote Operation:** A virtual joystick interface for direct control.



Image: The robot displayed alongside icons representing its various control modes: 2.4G remote, path drawing, voice commands, STEM programming, and app-based remote operation.



Image: A child interacting with the robot using a tablet, demonstrating the app control feature.

Robot Features

- **Glowing Eyes:** The robot features glowing eyes that can display three different colors. These can often be controlled via the app or specific remote functions.
- **Flexible Joints:** The robot's head and arms are designed with flexible joints, allowing for various poses and dynamic movements.
- **Smooth Track Movement:** Equipped with durable tracks, the robot can navigate various indoor surfaces smoothly.
- **360-Degree Rotation:** The robot is capable of 360-degree rotation, enhancing its maneuverability.



Image: Close-up of the robot's head, illustrating its ability to display glowing eyes in blue, red, and green colors.

360 DEGREE ROTATION

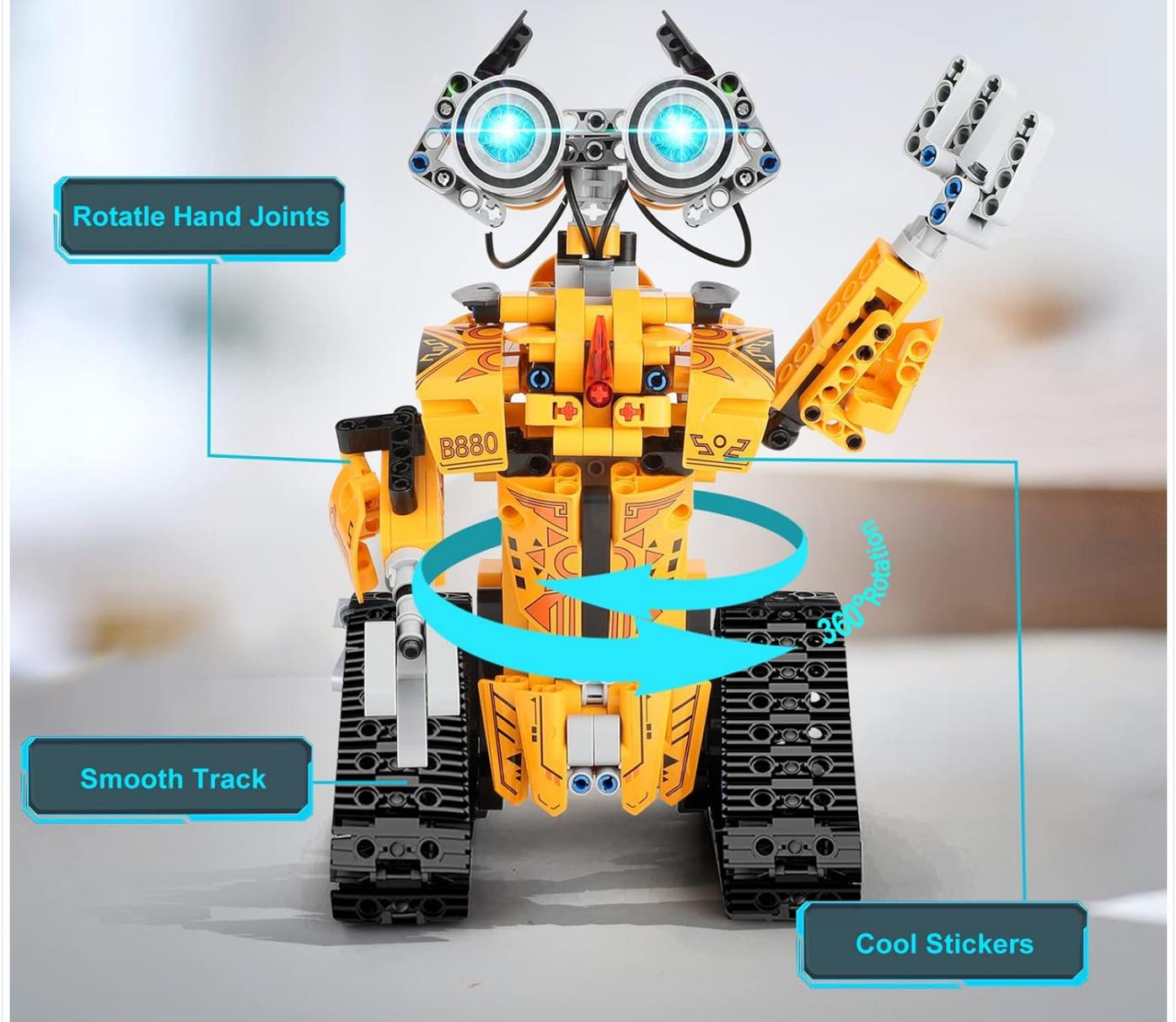


Image: The robot performing a 360-degree rotation, highlighting its flexible hand joints and smooth track system.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to wipe down the robot. Avoid using water or cleaning solutions directly on electronic components.
- **Storage:** Store the robot and its components in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the battery at least once every three months if not in regular use.
- **Component Check:** Periodically inspect all connections and moving parts for wear or damage. Replace any broken parts promptly.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Robot does not power on.	Battery is not charged or incorrectly installed.	Ensure battery is fully charged and correctly inserted. Check power switch position.
Remote control not responding.	Remote batteries are low or not paired.	Replace remote control batteries. Power cycle both robot and remote to re-establish connection.
App cannot connect to robot.	Bluetooth is off or app is outdated.	Ensure Bluetooth is enabled on your device. Update the app to the latest version. Restart both robot and device.
Robot moves erratically or not at all.	Loose connections or damaged parts.	Check all motor and track connections. Inspect for any broken or misaligned building blocks.

SPECIFICATIONS

- **Model Number:** B880-C
- **Product Dimensions:** 5.9 x 5.11 x 9.84 inches
- **Item Weight:** 1.76 pounds
- **Number of Pieces:** 468
- **Recommended Age:** 8 years and up
- **Battery Type:** 1 Lithium Ion battery (included)
- **Playtime per Charge:** Approximately 40 minutes
- **Control Methods:** 2.4G Remote Control, Bluetooth App Control (Path, Programming, Voice)

WARRANTY AND SUPPORT

Sillbird is committed to providing quality products and customer satisfaction. For any questions, concerns, or issues regarding your B880-C Robot Building Kit, please contact our customer support team.

Customer Support Email: service@sillbird.com

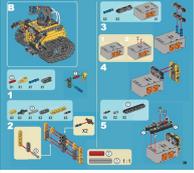
All emails will be replied to within 24 hours. Please provide your product model number (B880-C) and a detailed description of your issue for faster assistance.



Image: A graphic representing customer support, showing a computer screen with a friendly robot icon and chat bubbles.



Related Documents - B880-C

	<p>Sillbird Ranger-X Rextor Model A STEM Building Kit Instructions</p> <p>Detailed building instructions for the Sillbird Ranger-X Rextor Model A, a 646-piece STEM toy robot kit with 5 modes and R/C functionality. Includes parts lists and step-by-step assembly guides.</p>
	<p>Sillbird 12-in-1 STEM Solar Robot Building Kit - Educational & Fun</p> <p>Explore STEM with the Sillbird 12-in-1 Solar Robot Building Kit. This educational toy allows kids to build 12 different robots powered by the sun, no batteries needed. Perfect for ages 8-13, fostering creativity and environmental awareness.</p>
	<p>Sillbird Yellow Thunderbolt 2-in-1 Robot & Racing Car Building Set Instructions</p> <p>Detailed assembly instructions for the Sillbird Yellow Thunderbolt 2-in-1 building toy set. Build a transforming robot or a Technic racing car. Ideal for kids aged 8-12, featuring 998 pieces for creative STEM play.</p>
	<p>Sillbird B883 C Building Instructions: Advanced Tracked Robot Model</p> <p>Detailed step-by-step building instructions for the Sillbird B883 C tracked robot model. Learn how to assemble this complex toy set with clear diagrams and part lists, transforming it into a functional tracked vehicle.</p>
	<p>Sillbird B886 Robot Building Instructions</p> <p>Detailed building instructions for the Sillbird B886 robot, featuring step-by-step assembly guides and part lists.</p>
	<p>Sillbird Solios-Nova 15-in-1 Building Instructions and Parts Guide</p> <p>Comprehensive assembly instructions and parts list for the Sillbird Solios-Nova 15-in-1 robot building kit, featuring guides for constructing various models like racing cars, motorcycles, tanks, and robots, along with important safety and warranty information.</p>