Sillbird CA-899

Sillbird STEM Robot Building Kit

Model: CA-899 | Brand: Sillbird

INTRODUCTION

This manual provides detailed instructions for assembling, operating, and maintaining your Sillbird STEM Robot Building Kit. This 5-in-1 programmable robot kit offers an engaging and educational experience, encouraging hands-on learning and early programming skills.

Safety Information

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

PACKAGE CONTENTS

Your Sillbird STEM Robot Building Kit includes 596 building pieces, electronic components, a remote control, and detailed instruction manuals for various models. Please verify all components are present before beginning assembly.

ASSEMBLY INSTRUCTIONS

The kit allows for the construction of five different robot designs: Robot, Tank, Battle Car, and more. Each model has varying difficulty levels. Follow the clear, colorful, step-by-step instructions provided in the manual for each specific model.

A Gift That Builds STEM Skills

Image: Adult and child assembling the robot, demonstrating the hands-on building process.

An included brick separator tool assists in easy assembly and disassembly, allowing you to build and rebuild different models.

Sillbird's Custom

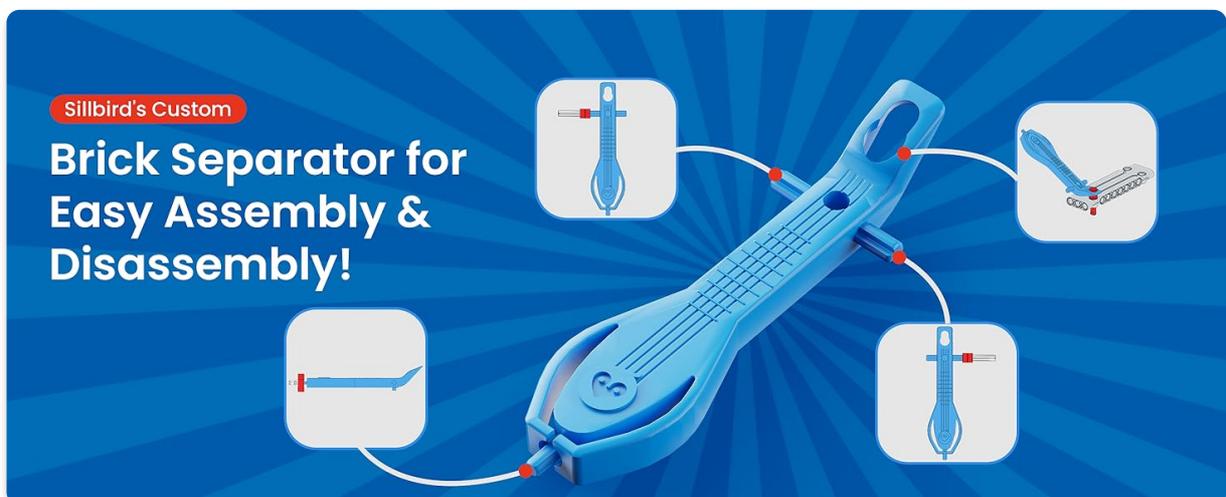## Brick Separator for Easy Assembly & Disassembly!

Image: The custom brick separator tool for easy assembly and disassembly of pieces.

The kit supports 5-in-1 build models, each with increasing levels of challenge to foster continuous learning and engagement.

Image: Visual representation of the five progressive robot models that can be constructed from the kit, each with varying complexity.

POWERING ON AND CHARGING

The robot is equipped with a rechargeable battery, providing up to 40 minutes of continuous operation on a single charge. Ensure the battery is fully charged before first use. Charging is typically done via a USB cable (included).

OPERATING THE ROBOT

Remote Control Operation

The robot can be controlled using the included wireless remote. Turn on the robot's power switch and the remote control. The remote's indicator light will stay on after a successful connection. Use the joysticks to control movement (forward, backward, left turn, right turn) and rotation.

Image: A child using the remote control to operate the robot, highlighting ease of use for young operators.

App Control Operation

For advanced control and coding features, download the dedicated app. Scan the QR code in the instruction manual or search for the app in your device's app store. After installation, open the app and connect via Bluetooth.

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Video: Demonstration of both remote and app control modes for the robot, showing pairing and basic movements.

The app offers multiple control modes:

- **Remote Mode:** Use virtual joysticks on your device screen for direct control.
- **Gravity Sensing Mode:** Tilt your phone to control the robot's direction.
- **Path Mode:** Draw a path on your screen, and the robot will follow it.
- **Programming Mode:** Utilize a drag-and-drop block-based interface to create custom movement sequences, fostering early coding skills.

5 Models Growing in Challenge

Model A
590 PCS
Level: ★★★★★

Model B
443 PCS
Level: ★★★★

Model C
386 PCS
Level: ★★★

Model D
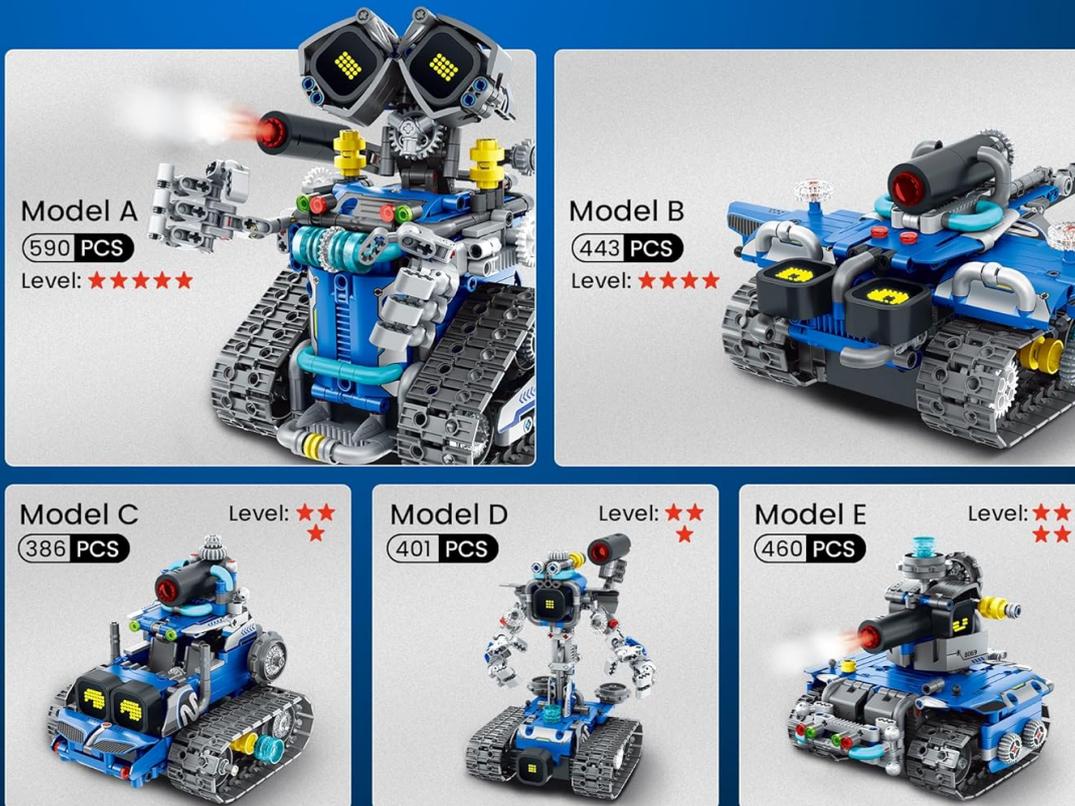401 PCS
Level: ★★★

Model E
460 PCS
Level: ★★★★

Image: A child interacting with the robot using a smartphone app for coding and control.

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Video: A detailed operation guide for the Wall Robot Toy, demonstrating both remote and app-controlled functions, including programming.

SPECIAL FEATURES

- **Digital LED Eyes:** The robot features expressive LED eyes that can change expressions, adding personality to your creation.
- **Playful Sound Effects:** Enjoy interactive sound effects that enhance the play experience.
- **Mist-Spray Feature:** Add a small amount of water to activate a mist-spray function, adding a unique element to the robot's capabilities.

Image: The robot's digital LED eyes showcasing dynamic expressions.

Image: The robot demonstrating dynamic voice effects, enhancing interactive play.

Image: The robot's mist-spray feature, adding a scientific element to play.

MAINTENANCE

To ensure the longevity of your robot, keep it clean and free from dust. Avoid exposing electronic components to water or extreme temperatures. Store the robot and its components in a dry, cool place when not in use.

TROUBLESHOOTING

- **Robot not responding:** Ensure the robot's power switch is ON and the battery is charged. Check the remote control or app connection.
- **Incorrect movement direction (App Control):** If the robot moves in the opposite direction to your phone's motion, use the settings icon in the app to adjust the control direction orientation.
- **Remote Control not pairing:** Ensure both the robot and remote are powered on. Turn both off and on again to re-establish connection.

SPECIFICATIONS

Feature	Detail
Model Name	CA-899
Number of Pieces	596
Material	Plastic
Recommended Age	8 years and up
Control Methods	Remote Control, Bluetooth App (Remote, Gravity, Path, Programming Modes)
Battery Type	Rechargeable (1 AA battery included, 1 non-standard battery)
Playtime	Up to 40 minutes per charge
Product Dimensions	17.78 x 20.32 x 15.24 cm

WARRANTY AND SUPPORT

For any questions, concerns, or support needs regarding your Sillbird STEM Robot Building Kit, please contact our customer service team. All emails will be replied to within 24 hours.
Customer Support Email: service@sillbird.com