

Sillbird B880

Sillbird STEM Robot Building Sets User Manual

Model: B880

Brand: Sillbird

INTRODUCTION

This manual provides comprehensive instructions for the assembly, operation, and maintenance of your Sillbird STEM Robot Building Set. This 3-in-1 robotic toy offers an engaging experience for children aged 8-12, combining building, learning, and programming.

The set allows for the construction of three different models: a snail-like robot (Snaizer), a bipedal robot, and a bulldozer. It features both remote and app-controlled functionalities, digital expressive eyes, and interactive sounds.

PRODUCT FEATURES

- **3-in-1 Transformable Design:** Build and transform into a snail-like robot (Snaizer), a bipedal robot, or a bulldozer.
- **Interactive Digital Eyes & Sound:** Snaizer's eyes display expressions and sounds change with movement. Sound can be toggled on/off.
- **Dual Control Modes:** Operate the robot using the included remote control or via a free app connected via Bluetooth.
- **Multiple App Control Modes:** Includes Gyro mode, Path mode, Driving mode, and an icon-based coding interface for programming.
- **Educational STEM Focus:** Designed to inspire exploration of coding concepts, critical thinking, and problem-solving skills.
- **Rechargeable Battery:** Convenient USB charging for sustained play.
- **Detailed Instructions:** Comes with a step-by-step guide for assembly, suitable for ages 8-12.

SETUP

1. Assembly

The Sillbird STEM Robot Building Set consists of 468 pieces. Follow the included step-by-step instruction manual carefully for assembly. It is recommended to sort pieces before beginning construction.

3in1

Animals, vehicles, robots
3 different building
opportunities in 1 set



#3

Bulldozer



#2

Robot



Figure 1: The robot can be assembled into three distinct forms: a snail-like robot, a bipedal robot, or a bulldozer, offering varied building experiences.

2. Powering On and Charging

The robot is equipped with a rechargeable battery. Use the provided USB charging cable to charge the robot before first use and when the battery is low. The charging port is typically located near the main power switch.

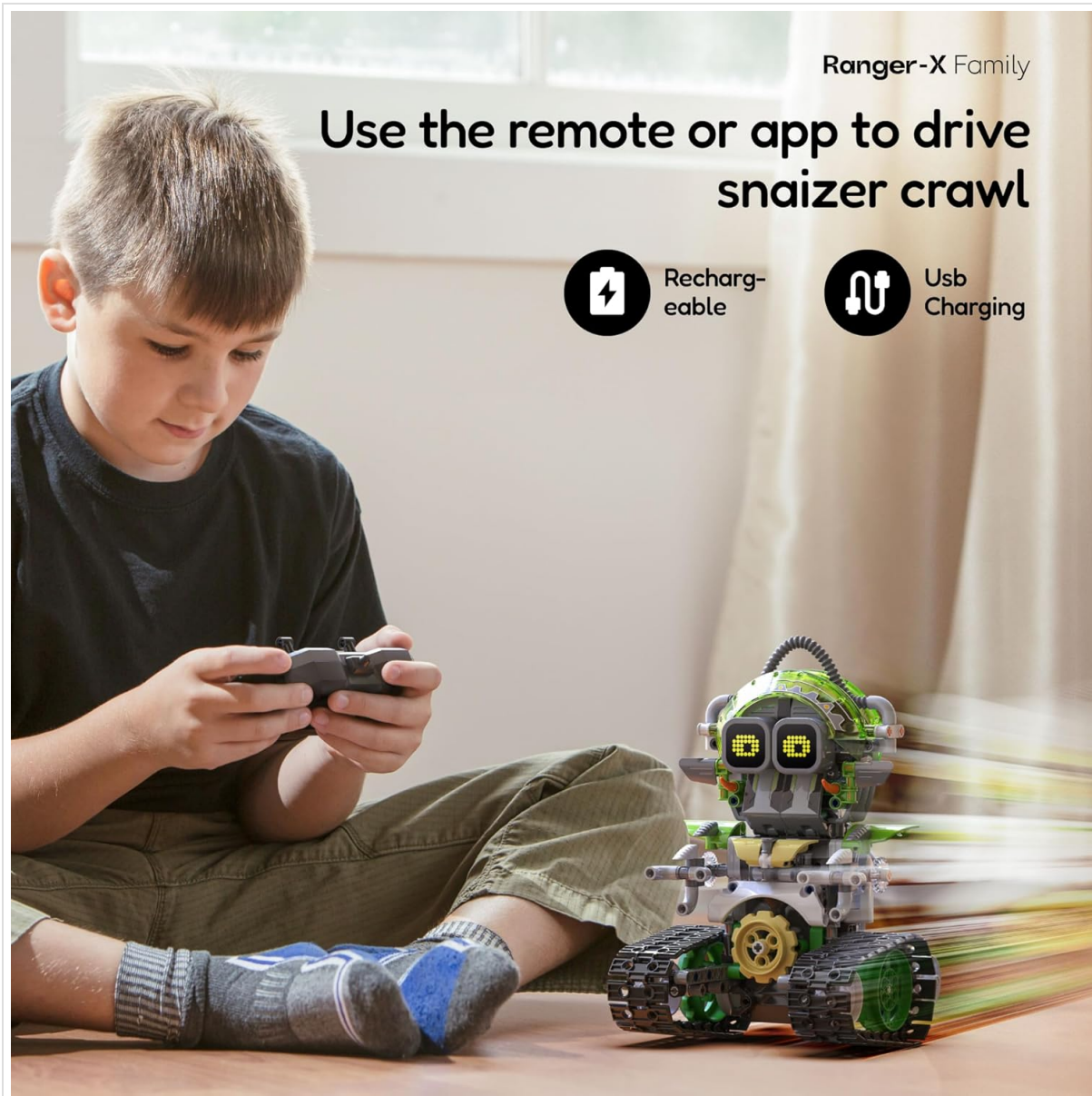


Figure 2: The robot is rechargeable via USB, allowing for convenient power management and extended play sessions.

3. App Installation and Connection

For app-controlled functionality, download the free companion app. The app is compatible with iOS 11 or above (including iPad) and Android 12 or above. Once installed, connect the robot to your device via Bluetooth.

1. Search for the "Sillbird Robot" app in your device's app store.
2. Install the app.
3. Ensure Bluetooth is enabled on your device.
4. Turn on the robot.
5. Open the app and follow the on-screen instructions to pair with the robot.

Ranger-X Family

Learn simple coding through programmable mode



APP
Control



Remote
Control



Figure 3: The companion app provides an intuitive interface for controlling and programming the robot, supporting various modes including coding.

OPERATING INSTRUCTIONS

1. Remote Control Operation

Use the provided remote control to maneuver the robot. Refer to the remote control diagram in the assembly manual for specific button functions (e.g., forward, backward, turn left, turn right).

2. App Control Modes

The app offers several modes for controlling the robot:

- **Driving Mode:** Standard control for moving the robot in various directions.
- **Gyro Mode:** Control the robot's movement by tilting your smartphone or tablet.
- **Path Mode:** Draw a path on your device screen, and the robot will follow it.
- **Programmable Mode (Icon-based Coding):** Drag and drop icons to create sequences of actions, introducing basic coding concepts.



Figure 4: The robot supports multiple control methods, including app-based modes like Gyro and Path, and a STEM programming interface for coding.

3. Digital Expressive Eyes and Sound Control

The robot's eyes light up and display various expressions, while built-in sounds change according to its movement. To turn the sound off, locate the small black button next to the power switch and press it.

Ranger-X Family

Sounds and digital expressions change with movement



Figure 5: Snaizer's eyes dynamically change expressions, and its movements are accompanied by interactive sounds, enhancing the play experience.

3 COLORS GLOWING EYES



Figure 6: The robot's eyes can glow in multiple colors, adding to its expressive capabilities and visual appeal.

MAINTENANCE

1. Cleaning

To clean the robot, gently wipe its surfaces with a dry, soft cloth. Avoid using water or cleaning solutions, as these can damage the electronic components.

2. Storage

When not in use, store the robot and its components in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the robot is turned off before storage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Robot does not turn on.	Low battery or power switch is off.	Charge the robot using the USB cable. Ensure the power switch is in the "ON" position.
Remote control or app not connecting.	Bluetooth not enabled, robot not in pairing mode, or app version incompatibility.	Ensure Bluetooth is on. Restart the robot and the app. Check app compatibility with your device's OS (iOS 11+, Android 12+).
Robot movement is erratic or unresponsive.	Obstruction, low battery, or interference.	Clear any obstructions. Recharge the battery. Move away from other electronic devices that may cause interference.
No sound from the robot.	Sound is turned off.	Press the small black button next to the power switch to toggle sound on.

SPECIFICATIONS

- **Model:** B880
- **Recommended Age:** 8 years and up
- **Number of Pieces:** 468
- **Control Method:** Remote Control, App Control (Bluetooth)
- **App Compatibility:** iOS 11+ (including iPad), Android 12+
- **Power Source:** Rechargeable battery, USB charging

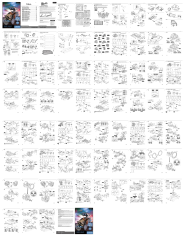
WARRANTY AND SUPPORT

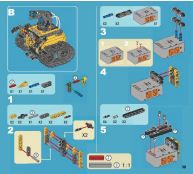
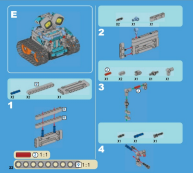
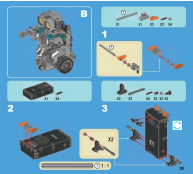
For information regarding product warranty, technical support, or replacement parts, please refer to the contact information provided on the product packaging or visit the official Sillbird website. Specific warranty details are not available in this manual.

You can also visit the [Sillbird Store on Amazon](#) for more product information and support resources.

© 2023 Sillbird. All rights reserved.

Related Documents

	<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 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 B896 Robot Building Instructions</p> <p>Detailed assembly instructions for the Sillbird B896 Robot, including step-by-step guides and part lists.</p>
	<p>Sillbird Rextor B Robot Building Instructions</p> <p>Comprehensive assembly guide for the Sillbird Rextor B robot, providing detailed step-by-step instructions and part lists for building a complex mechanical model.</p>

Documents - Sillbird – B880



[\[pdf\]](#) Instructions

Sillbird B880 Download Building Instructions v 1733543265 cdn shopify s files 1 0813 9875 9738 |||

...

lang: **score:28** filesize: 12.46 M page_count: 76 document date: 2024-12-06