Sonomo 828 Intelligent Programmable Robot User Manual

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Sonomo 828 Intelligent Programmable Robot

Launch Date: 2023
Price: $68

Introduction

The Sonomo 828 Intelligent Programmable Robot is a cool, interactive toy that is meant to get kids interested in STEM subjects while also giving them hours of fun. The Sonomo 828 makes it easy for kids to learn basic coding and robots with its simple programming features. It can follow directions and reply to voice commands thanks to its many sensors, making it both a fun and useful companion. The robot's customizable look adds an artistic touch, letting kids make their robot unique. The Sonomo 828 is great for kids ages 5 and up because it helps them learn how to solve problems, think critically, and use their bodies more efficiently while also getting them interested in technology. The robot is great for kids who are interested in robotics and automation because it gives them feedback in real time, which makes learning more fun. It's long-lasting and simple to use, so you can have hours of fun with it. It's also a great gift for holidays or parties. The Sonomo 828 provides a rich learning experience that is also fun and interesting. Its programmable features help both new and experienced programmers, urging them to try new things and find new things. Not only is this robot a toy, but it can also be used to teach kids about programming and robotics in a fun way.

Specifications

- **Item Weight**: 0.61 Kilograms
- **Number of Pieces**: 2
- **Item Dimensions (L x W x H)**: 12″L x 6″W x 12″H
- **Unit Count**: 1 Count
- **Color**: Blue

- **Collection Name**: Superhero
- **Occasion Type**: Gift
- **Theme**: Robot

Materials & Care:

- **Inner Material**: Plastic
- **Outer Material**: Plastic
- **Material Type**: Plastic
- **Assembly**: No assembly is required
- **Care Instructions**: Wipe clean with a damp cloth to maintain its appearance and functionality.

User Guide:

- **Manufacturer Minimum Age**: 72 months (6 years and up)
- **Required Assembly**: No
- **Package Type**: Box
- **Edition**: Upgraded Version
- **Model Name**: Sonomo RC Robot
- **Model Number**: 828
- **Brand**: SONOMO
- **Toy Figure Type**: Interactive Gaming Figure
- **Subject Character**: Robot

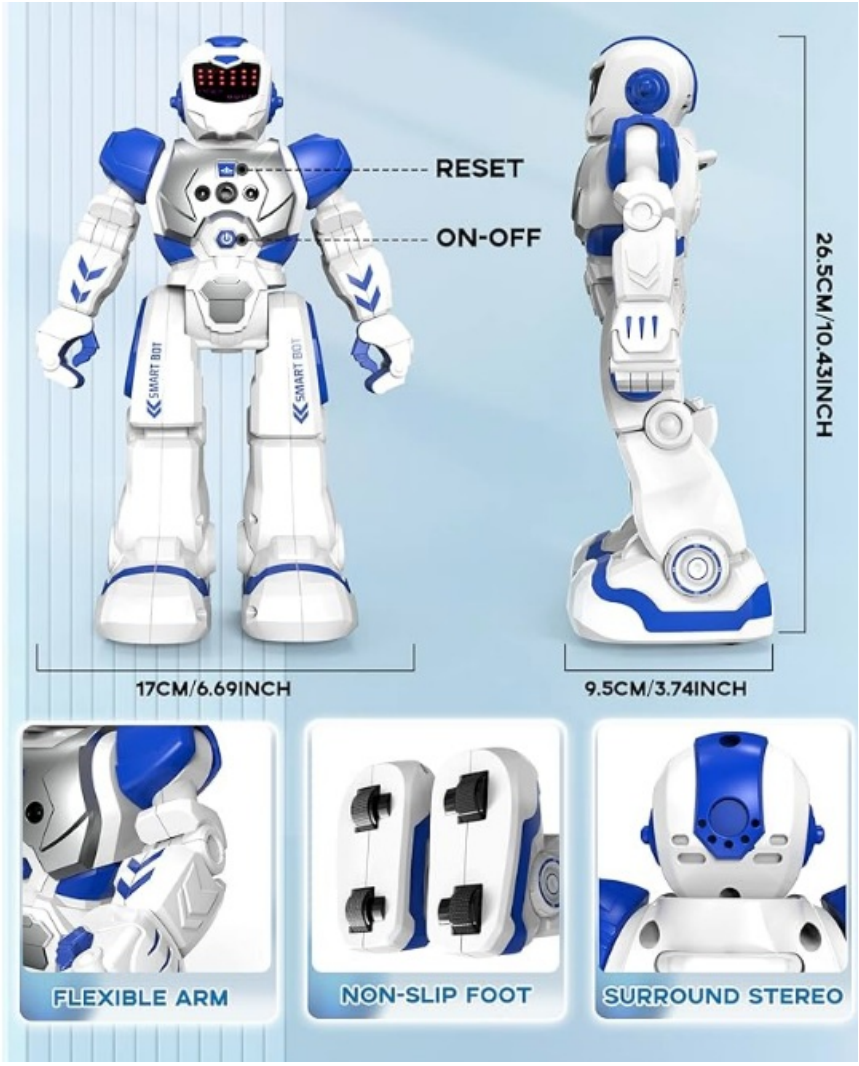
Features & Specifications:

- **Batteries**: 1 AAA battery required (included)
- **Play Activity Location**: Floor
- **Autographed**: No
- **Batteries Required**: Yes
- **Special Features**: Programmable

Package Includes

- Sonomo 828 Robot Unit
- USB Charging Cable
- User Manual
- Programmable App Download Link
- Set of Interactive Stickers for Customization
- Screws and Screwdriver for Assembly (if required)
- Quick Start Guide
- Additional Set of Touch and Infrared Sensors

Features



1. **Hands-on STEM Learning:** The Butterfly in More Detail The EduFields Maker Lab DIY Kit is a fun way for kids to learn about the basics of design, technology, and building. Kids learn about how tools and systems work by doing creative, hands-on projects. This helps them develop an interest in science and new ideas.
2. **Projects That Can Be Used in Different Ways:** The kit comes with different projects that kids can use to build mechanical systems, simple tools, and even tiny cars. This variety helps them get better at handling problems and gives them a lot of room to be creative. There is something for every aspiring engineer, from building robots to playing around with electrical systems.
3. **Simple Step-by-Step Guides**: The Butterfly EduFields Maker Lab DIY Kit comes with clear, step-by-step guides for each project. The short and clear instructions make it easy for kids to build things on their own, whether they are putting together a robot or studying simple machines. This gives them more confidence in their ability to learn.
4. **Durable Materials:** The kit's parts are all made from high-quality, non-toxic materials that are safe for kids. This makes sure that the parts are safe for kids to use and that they will last through many builds and tests. You can be sure that the kit will last for a long time.
5. **Encourages Creativity:** The Butterfly EduFields Maker Lab DIY Kit lets kids change how their projects turn out. This helps them be more creative as they plan, build, and even make their projects better. Kids can try out different arrangements, so each build is unique and comes from their ideas.
6. **Encourages Critical Thinking:** The kit's projects require you to think logically, plan ahead, and solve problems. This makes it a great way to improve your critical thinking skills. Kids learn how to solve problems in a methodical way by working through tasks and trying out different designs. These are skills that are useful not

only in STEM but also in everyday life.

7. **DIY STEM Projects for Kids Ages 12 to 14:** The kit has more than 200 fun STEM projects, such as making Spinart machines, building small robots, and playing with magnetism. It's a fun and useful way to teach kids about engineering, problem-solving, and being creative, while also getting them to think critically and on their own.
8. **Perfect for Kids Ages 12 to 14:** This kit was made just for kids ages 12 to 14, and it's the right amount of fun and challenge. Kids can build complicated things like the Robo Walker with ease if the directions are clear. This lets them explore their interests in science and engineering.

9. The Butterfly is the perfect gift for 12-year-old boys. The EduFields Maker Lab DIY Kit is a great present for kids who are interested in science and technology. It's full of fun projects that will keep you busy for hours while also helping you learn science, engineering, and how to solve problems.
10. **STEM Kits for Kids:** The kit is a great way for kids to learn more about STEM topics. It lets them make electromechanical projects that help them learn about robots, electricity, and circuits. This kit keeps kids busy and helps them learn important skills that will help them for the rest of their lives.
11. **Science Projects Kit**: The kit comes with a number of science experiments as well as exercises that focus on engineering. The kit has fun and engaging activities for kids to learn about science. It comes with test tubes, measuring cups, and materials to make a volcano mold. Great for getting people interested in science and developing a love of it.
12. **Electronics Kit and Robots:** This kit is a great way for kids who are interested in robots and electronics to get started. Kids can learn about electronics, batteries, and electromechanics while making projects that work. The simple explanations make it easy to learn electrical ideas that you will use for a long time.

13. **Winner of an Award**: STEM.org has praised the Butterfly EduFields Maker Lab DIY Kit for its ability to teach creativity, problem-solving, and critical thought. People who work with kids trust this kit because it's made to get kids interested in STEM fields and help them learn practical skills in a fun way.
14. **Fun and educational**: Kids will love building their projects, like robots and simple machines, and they will learn a lot about STEM concepts at the same time. This kit is more than just a toy; it's an investment in their future because it sparks their interest in technology and science and helps them learn on their own.
15. **Great for the classroom or at home:** The Butterfly EduFields Maker Lab DIY Kit is a great way to encourage group learning, whether it's at home or in the school. Kids can work on different projects together, which helps them learn how to communicate and work as a team while they make new things and solve problems.

Usage

1. **Programming the Robot**: Using the provided app or compatible platforms like Scratch, users can program the robot to perform a variety of tasks. These could include moving in specific directions, following preset paths, or even reacting to environmental stimuli (e.g., avoiding obstacles).

2. **Interactive Learning**: Users can experiment with sensors and motors to create interactive projects such as light-following robots, obstacle-avoiding robots, or even robots that can play simple games.
3. **Customization**: Encourage creativity by allowing children to add their own designs or decorate the robot using the included stickers.
4. **Voice Recognition**: Program the robot to respond to voice commands to enhance interactivity, which adds fun and practical applications for speech recognition in robotics.

Care and Maintenance

- **Cleaning**: Keep the robot clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials to ensure the robot's surface remains intact.
- **Battery Care**: To extend the lifespan of the rechargeable battery, charge the robot fully before using it for the first time. Avoid overcharging or letting the battery completely deplete before recharging it. Always use the supplied charging cable for charging.
- **Storage**: Store the robot in a cool, dry place when not in use. Avoid exposing it to excessive heat, humidity, or direct sunlight to prevent damage to internal components.
- **Sensor Care**: The sensors are sensitive and should be handled carefully. Keep them free from dust and dirt to maintain their performance.
- **Programming Updates**: Periodically check for software updates for the app or programming platform to access new features, improved functionality, or bug fixes.

Troubleshooting

Robot Not Turning On:

- Check if the robot's battery is fully charged. If not, charge it for at least 2-3 hours.
- Ensure the power switch is in the "on" position.

Robot Not Responding to Commands:

- Ensure that the robot is properly connected to the app or programming platform via Bluetooth.
- Check for any programming errors and correct them.

Poor Movement or Unresponsive Motors:

- Inspect the motors for any obstructions. Clear any debris or dirt that might be affecting motor function.
- Ensure that the battery is sufficiently charged.

Sensors Not Working Properly:

- Check that the sensors are clean and free from obstructions.
- Test the robot in a different environment to see if lighting or other factors are affecting sensor performance.

Voice Command Not Working:

- Ensure the robot's microphone is unobstructed and clean.
- Verify that voice recognition has been properly set up in the programming platform.

Pros and Cons

Pros	Cons
Engaging educational experience	May require adult supervision for setup
Multiple control options (gesture & remote)	Complexity may be challenging for younger kids
Rechargeable battery saves costs	Limited range of pre-programmed actions
Durable construction	May not perform well on uneven surfaces

Warranty

The Sonomo 828 comes with a one-year warranty covering manufacturing defects. Please retain your purchase receipt for warranty claims.

FAQs

What is the Sonomo 828 Intelligent Programmable Robot?

The Sonomo 828 is a programmable robot that teaches children about coding, robotics, and interactive technology through easy-to-follow programming commands and sensor-driven activities.

What age group is the Sonomo 828 robot suitable for?

The Sonomo 828 is designed for children aged 5 and up, making it an ideal introduction to programming and robotics for young learners.

How does the Sonomo 828 robot respond to commands?

The Sonomo 828 responds to voice commands and programmed instructions, allowing it to move, interact with its environment, and complete tasks autonomously.

What features does the Sonomo 828 robot have?

The Sonomo 828 includes movement modes like forward, backward, and turning, voice command response, interactive sensors, and a customizable appearance with stickers.

How do you control the Sonomo 828 robot?

The Sonomo 828 can be controlled through its programming interface or voice commands, providing flexibility in how users interact with the robot.

What skills can kids learn from the Sonomo 828 robot?

The Sonomo 828 helps children develop problem-solving, motor skills, and an understanding of robotics, coding, and logical thinking.

What programming platforms are compatible with the Sonomo 828?

The Sonomo 828 is compatible with popular platforms like Scratch and Blockly, making it ideal for beginner and intermediate programmers.

What sensors are included in the Sonomo 828 robot?

The Sonomo 828 is equipped with touch and infrared sensors, enabling it to interact with its environment, avoid obstacles, and perform specific tasks.

References

- User Manual