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Science Can Solar System Model Kit

Science Can Solar System Model Kit: Talking Astronomy Planetarium Projector Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Science Can Solar System Model Kit. This educational toy is designed to introduce children to astronomy through interactive features, including a talking planet model and a planetarium projector. Please read this manual thoroughly before use to ensure proper function and safety.



Image: The Science Can Solar System Model Kit, showing the main unit and its packaging.

PACKAGE CONTENTS

Verify that all components listed below are present in your package:

- 1 x Solar System Base with Sun Projector Unit
- 8 x Planet Arms with Attached Planets (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune)
- 3 x Projection Disks (each with 8 unique images, total 24 images)
- 1 x Instruction Manual (this document)



Image: An exploded view diagram illustrating the main components: the projector base, planet arms, and projection slides.

SAFETY INFORMATION

- **Age Recommendation:** Suitable for children aged 36 months to 12 years. Adult supervision is recommended for younger children during assembly and initial use.
- **Battery Safety:** Requires 3 AA batteries (not included). Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries. Insert batteries with correct polarity. Remove exhausted batteries promptly. Remove batteries if the product is not used for an extended period.
- **Small Parts:** This product contains small parts (planets, projection disks) which may pose a choking hazard for children under 3 years.
- **Light Source:** Do not stare directly into the projector light source.

SETUP

1. **Install Batteries:** Locate the battery compartment on the underside of the main base unit. Open the compartment, insert 3 new AA batteries, ensuring correct polarity (+/-). Close the compartment securely.

2. **Assemble Planet Arms:** Carefully attach each of the 8 planet arms to the designated slots around the central pole of the base. Ensure each arm is securely fitted.
3. **Attach Sun Projector Unit:** Align the Sun Projector unit with the top of the central pole on the base. Press down firmly until you hear a slight click, indicating a secure connection. Ensure there is no gap between the projector unit and the pole to ensure proper electrical contact for the light function.

OPERATING INSTRUCTIONS

1. Talking Solar System Model

- **Power On/Off and Language Selection:** Locate the language switch on the base. Slide it to 'EN' for English or 'ES' for Spanish. The center position of this switch acts as the 'Off' position.
- **Activate Planet Information:** Press the corresponding planet pattern button on the base to hear interesting educational facts about that planet.



Image: The base of the model kit, highlighting the English/Spanish language switch and the interactive planet buttons.

2. Planetarium Projector

- **Insert Projection Disk:** Open the small slot on the side of the Sun Projector unit. Insert one of the three projection disks into the slot.

- **Activate Projection:** Ensure the unit is powered on. The projector light will illuminate, displaying images on a nearby wall or ceiling.
- **Adjust Focus:** Rotate the top knob on the Sun Projector unit to adjust the clarity of the projected image.
- **Change Images:** Rotate the inserted projection disk to cycle through the 8 different images on that disk.



Image: A child looking up at a projected image of Earth on the ceiling, demonstrating the planetarium projector function.



Image: A visual representation of the 24 unique space exploration images included across the three projection disks.

3. Projector Night Light

The bright LED solar dome can also function as a night light or flashlight. Simply turn on the projector function without a disk inserted, or use it with a disk for a projected night light effect.

Maintenance

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use abrasive cleaners or immerse the unit in water.
- **Battery Replacement:** Replace all 3 AA batteries when the sound becomes distorted, the light dims, or the unit stops functioning.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight when not in use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not power on or has weak sound/light.	Low or incorrectly installed batteries.	Replace with new AA batteries, ensuring correct polarity.
Projector light does not turn on, but sound works.	Loose connection between the Sun Projector unit and the base.	Ensure the Sun Projector unit is firmly pressed onto the central pole until a click is heard, and there is no gap.
Projected image is blurry.	Focus not adjusted; projection surface too far/close.	Rotate the focus knob on the Sun Projector unit. Adjust the distance to the projection surface.
No sound when pressing planet buttons.	Unit is off or language switch is in the 'Off' position.	Ensure the language switch is set to 'EN' or 'ES'. Check batteries.

SPECIFICATIONS

- Product Dimensions:** 9.6 x 4.33 x 12.04 inches
- Item Weight:** 1.36 pounds
- Power Source:** 3 AA batteries (not included)
- Recommended Age:** 36 months - 12 years
- Manufacturer:** Science Can

WARRANTY AND SUPPORT

Science Can is committed to providing quality educational products. If you encounter any issues with your Solar System Model Kit or have questions not covered in this manual, please contact our customer support. We are dedicated to ensuring your satisfaction.

For support, please visit the [Science Can Store on Amazon](#) or refer to the contact information provided on the product packaging.