

Smithsonian 52331

Smithsonian Optics Room Planetarium and Dual Projector Science Kit

Model: 52331

Brand: Smithsonian

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1. OVERVIEW

The Smithsonian Optics Room Planetarium and Dual Projector Science Kit transforms any room into a celestial observatory. This device features a dual projection system, allowing users to display a rotating star pattern of the Northern Sky and project high-definition images of various space objects. It is designed for educational purposes and includes multiple slide discs for diverse visual experiences.

Key Features:

- Dual Function Planetarium Projector for room-wide celestial displays.
- Rotating Star Pattern of the Northern Sky.
- 24 HD Space images across 4 changeable slide discs.
- Images include Planets, Nebulae, Moons, Astronauts, Space Craft, and other Celestial Bodies.
- 360-degree motorized rotation for the star pattern.
- Auto shutoff/electric timer function.
- Can be used as a nightlight.

2. WHAT'S INCLUDED

Please ensure all components are present before beginning setup:

- 1 x Dual Planetarium Room Planetarium Projector
- 1 x Image Cover
- 4 x Changeable Slide Discs (containing 24 HD space images)
- Detailed Instructions Manual

3. SETUP

3.1 Battery Installation

1. Locate the battery compartment on the underside of the projector.
2. Open the battery compartment cover.
3. Insert 4 x AA (1.5V) batteries, ensuring correct polarity (+/-). Batteries are not included.
4. Close the battery compartment cover securely.

3.2 Projector Placement

Place the projector on a stable, flat surface in a darkened room. For optimal projection clarity, position the projector between 4 to 10 feet from the projection surface (wall or ceiling).

3.3 Inserting Slide Discs

1. Identify the slide disc slot on the side of the projector.
2. Gently insert one of the changeable slide discs into the slot until it clicks into place. Ensure the disc is inserted correctly to avoid damage or improper projection.



Smithsonian® Astronomy **STEM**
•Science •Technology •Engineering •Math

Planetary Projector

Electronic Timer with Auto-Shut-Off

50 Over 50 Different Image Combinations.

 A Dual Function Planetary Projector Brings the Nighttime Sky Into Your Room.

 A Rotating Star Pattern of the Northern Sky is Projected With 24 HD Space Images.

 Choose HD Images of Planets, Nebulae, Moons, Astroids, Astronaut, Space Craft and Other Celestial Bodies.

Requires 3 x "AA" (1.5V) batteries (not included). Adult Supervision Required.

Includes: 1 Dual Planetary Projector, 1 Star Background Slide, 3 Changeable Slide Discs and Detailed Instructions.

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Image 1: The Smithsonian Optics Room Planetary and Dual Projector Science Kit, illustrating its design and how it projects images onto a surface.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Locate the power button on the projector. Press once to turn on the device. Press again to turn it off.

4.2 Switching Projection Modes

The projector offers two modes: star pattern projection and image slide projection. Use the mode selector switch to toggle between these two functions. The star pattern provides a rotating view of the Northern Sky, while the image slide mode projects detailed space images from the inserted disc.

4.3 Adjusting Focus

To achieve a clear image, rotate the focus ring located around the projector lens. Adjust until the projected image or stars appear sharp on the surface.

4.4 Changing Slide Discs

To change the projected image, gently remove the currently inserted slide disc from its slot. Select a new disc and insert it firmly until it clicks into place.

4.5 Auto Shutoff/Timer Function

The projector includes an automatic shutoff timer. This feature conserves battery life and can be used as a nightlight function. Refer to the specific controls on your device for activating or deactivating the timer.



Image 2: The planetarium projector in operation, displaying a clear image of Saturn on a wall.

4.6 Product Demonstration Video

Your browser does not support the video tag.

Video 1: A demonstration of the Smithsonian Constellation & Planet projector, showcasing its features and projection quality.

5. MAINTENANCE

5.1 Cleaning the Projector

To clean the exterior of the projector, use a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the plastic surface. For the lens, use a lens cleaning cloth specifically designed for optics to avoid scratching.

5.2 Cleaning Slide Discs

Handle slide discs by their edges to prevent fingerprints. If discs become dirty, gently wipe them with a soft, lint-free cloth. Avoid scratching the image film.

5.3 Battery Care

Remove batteries if the projector will not be used for an extended period to prevent leakage. Dispose of used batteries responsibly according to local regulations.

6. TROUBLESHOOTING

- No Projection / Dim Projection:**
Ensure batteries are correctly installed and not depleted. Replace with fresh batteries if necessary. Check that the power button is pressed and the correct projection mode is selected.
- Blurry Images / Stars:**
Adjust the focus ring around the lens until the image is clear. Ensure the projector is placed at an appropriate distance from the projection surface (typically 4-10 feet).
- Slide Discs Not Fitting / Rotating:**
Ensure the slide disc is inserted correctly into the designated slot. Do not force the disc. If the star pattern rotation is jammed, check for any obstructions around the rotating mechanism.
- Images Appear Damaged on Film:**
Handle slide discs carefully by their edges. Avoid touching the film surface directly to prevent scratches or smudges.

7. SPECIFICATIONS

Brand Name	Smithsonian
Model Number	52331
Item Type Name	Smithsonian Optics Room Planetarium and Dual Projector Science Kit
Material Type	Plastic
Item Dimensions	10 x 7 x 10 inches
Item Weight	1.91 Pounds

Power Source	4 x AA (1.5V) Batteries (not included)
Age Range Description	Kid (Age 8 and Up)
Educational Objective	STEM

8. WARRANTY INFORMATION

This product is sold without an explicit manufacturer's warranty. Please refer to the retailer's return policy for information regarding returns or exchanges for defective products.

9. SUPPORT

For further assistance or inquiries regarding the Smithsonian Optics Room Planetarium and Dual Projector Science Kit, please contact the retailer where the product was purchased. You may also visit the official Smithsonian brand website for general information, though direct product support may be handled by the manufacturer, NSI.

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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