

Artograph 225-190

Artograph Super Prism Projector Model 225-190 User Manual

This manual provides instructions for the safe and efficient operation of your Artograph Super Prism Projector.

1. INTRODUCTION

The Artograph Super Prism Projector is designed for projecting artwork, designs, patterns, prints, and line drawings onto a vertical surface. It offers a wide projection range for both reduction and enlargement, making it a versatile tool for artists and crafters.

2. SAFETY INFORMATION

Important Safety Instructions

- **Heat Warning:** The projector uses 500-Watts of lighting, which generates heat. Ensure adequate ventilation and avoid touching hot surfaces during operation.
- **Thermal Overload Protection:** The unit is equipped with thermal overload circuit protection to prevent overheating. If the unit shuts off unexpectedly, allow it to cool down before restarting.
- **Bulb Replacement:** Always unplug the projector before attempting to replace bulbs. Allow bulbs to cool completely.
- **Dark Room Required:** For optimal image visibility and clarity, operate the projector in a dark room.
- **Stable Surface:** Always place the projector on a stable, level surface to prevent tipping.

3. PRODUCT OVERVIEW

Components

The Artograph Super Prism Projector (Model 225-190) features a robust design for opaque art projection. Key components include:

- **Projection Lens:** The primary lens for image projection.
- **Originals Platform:** A 7" x 7" (177.8 x 177.8 mm) top-loading area for placing your artwork or documents.
- **Lighting System:** Two 250-Watt bulbs (500-Watts total) provide bright illumination for clear images.

- **Cooling System:** An integrated fan-cooled system to protect originals from overheating.
- **Power Switch:** Located on the side for easy on/off control.
- **Super Prism Lens:** An additional lens included for enhanced magnification and image clarity.



Figure 1: Front view of the Artograph Super Prism Projector, showing the main projection lens and the 'Prism Artograph' logo.

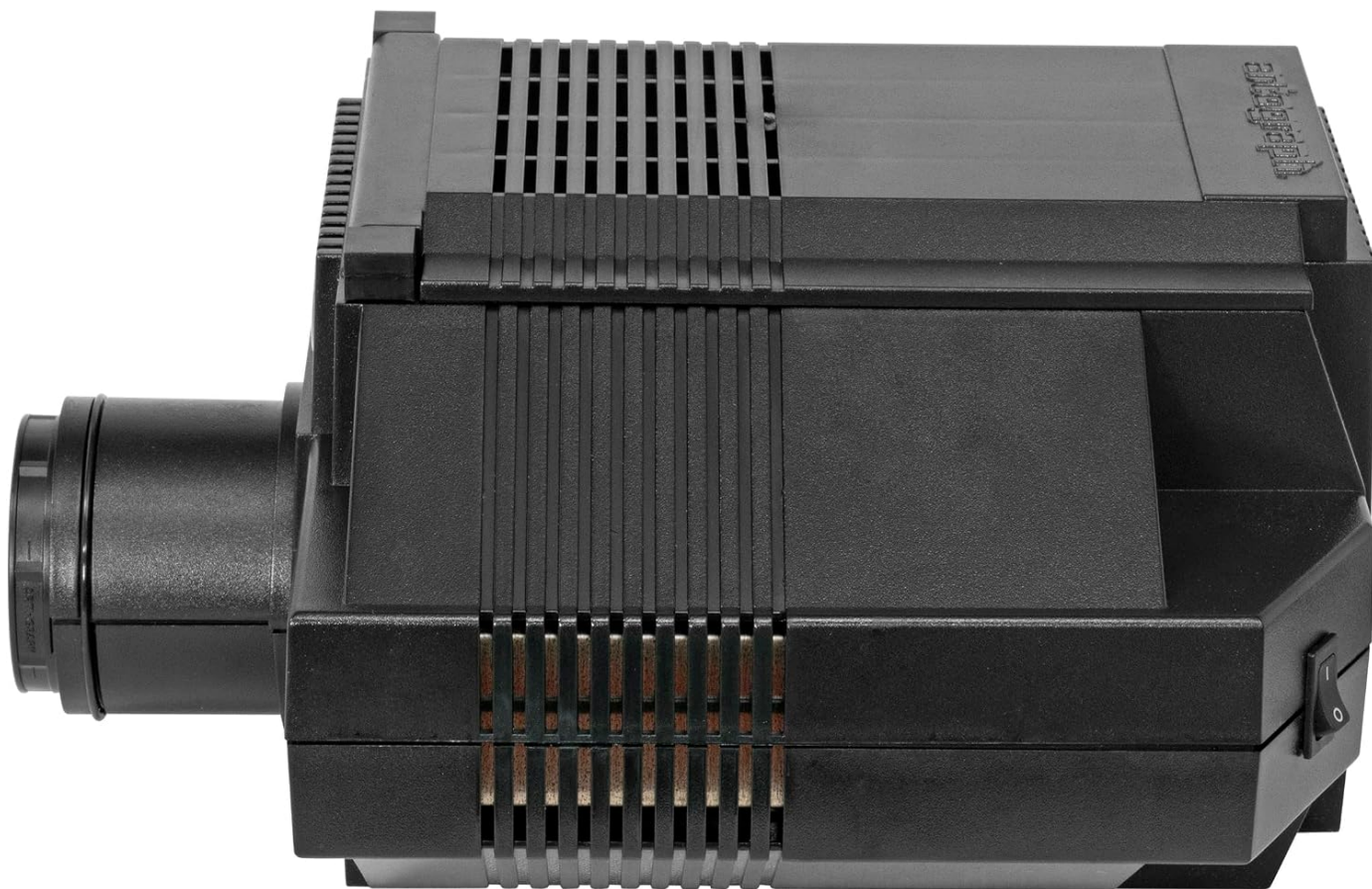


Figure 2: Side view of the projector, highlighting the ventilation grilles and the power switch.



Figure 3: Rear view of the projector, illustrating the cooling fan and power cord connection.



Figure 4: Close-up of the Super Prism Lens, indicating its branding and specifications.

4. SETUP

Initial Setup

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Placement:** Position the projector on a stable, level surface. Ensure there is sufficient space between the projector and the projection surface (wall or easel) for desired image size.
3. **Power Connection:** Plug the power cord into a suitable electrical outlet.
4. **Loading Original:** Lift the top cover of the projector. Place your artwork, design, or document face down on the 7" x 7" top-loading area. Magnetic door latches and a spring clip help secure the original.
5. **Lens Installation:** Ensure the appropriate lens is securely attached to the projector. The standard lens offers 80% reduction up to 1.6x enlargement. The included Super Prism Lens provides 3x to 20x enlargement.



Figure 5: Demonstrating how to place an original document onto the projector's top-loading platform.



Figure 6: The projector can be mounted on a stand for downward projection onto a work surface.

5. OPERATION

Using the Projector

1. **Power On:** Flip the power switch to the 'ON' position. The internal lights will illuminate, and the cooling fan will activate.
2. **Dark Environment:** Turn off room lights to achieve a dark environment for optimal projection clarity.
3. **Adjusting Image Size:** Move the projector closer to the projection surface to reduce the image size, or further away to enlarge it. The standard lens allows for 80% reduction up to 1.6 times enlargement. The Super Prism Lens allows for 3 times to 20 times enlargement.
4. **Focusing:** Rotate the lens barrel to bring the projected image into sharp focus.
5. **Image Orientation:** Ensure your original is placed correctly on the platform for the desired orientation on the projection surface.



Figure 7: The projector displaying a vibrant image onto an easel, ready for tracing or painting.



Figure 8: An artist utilizing the projector to transfer a detailed image onto a canvas.

Official Product Video

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Video 1: An official overview of the Artograph Super Prism Opaque Art Projector, demonstrating its features and use in an artistic setting.

6. MAINTENANCE

Care and Maintenance

- **Cleaning:** Keep the projection lens and the glass platform clean using a soft, lint-free cloth. Avoid abrasive cleaners.
- **Bulb Life:** The 250-Watt bulbs have an approximate lifespan of 25 hours. Keep spare bulbs on hand for replacement.
- **Cooling System:** Ensure the fan vents are not obstructed to maintain proper airflow and prevent overheating.

- **Storage:** When not in use, store the projector in a cool, dry place, protected from dust.

7. TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
Dim or Faint Image	Room is too bright; bulbs are dim or burnt out.	Operate in a darker room. Check and replace bulbs if necessary.
Image Out of Focus	Lens not adjusted correctly.	Rotate the lens barrel until the image is sharp.
Projector Overheats and Shuts Off	Obstructed fan vents; prolonged use.	Ensure vents are clear. Allow the unit to cool down. Reduce continuous operating time.
No Image Projection	Power not connected; bulbs not working.	Check power connection and switch. Verify bulbs are functional and properly installed.

8. SPECIFICATIONS

Technical Specifications

- **Model Number:** 225-190
- **Product Dimensions:** 16 x 15 x 9 inches
- **Item Weight:** 11 pounds
- **Originals Platform Size:** 7" x 7" (177.8 x 177.8 mm)
- **Lighting:** 500-Watts (2x 250-Watt bulbs)
- **Projection Range (Standard Lens):** 80% reduction up to 1.6x enlargement
- **Projection Range (Super Prism Lens):** 3x to 20x enlargement
- **Cooling:** Fan cooled
- **Safety Features:** Thermal overload circuit protection

9. WARRANTY AND SUPPORT

The Artograph Super Prism Projector includes a 1-Year Warranty. For warranty claims, technical assistance, or replacement parts, please contact Artograph customer support directly. Refer to the official Artograph website for the most current contact information and support resources.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

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

Submit question