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› SVBONY SV172 240mm USB Lens Heater Strip Instruction Manual

## SVBONY FW9132A

# SVBONY SV172 240mm USB Lens Heater Strip Instruction Manual

Model: FW9132A

## INTRODUCTION

The SVBONY SV172 240mm USB Lens Heater Strip is designed to prevent dew and fog from forming on the optical surfaces of telescopes, camera lenses, and other optical equipment during cold or humid conditions. This device ensures clear views and sharp images by maintaining the lens temperature slightly above the dew point. Its universal design and adjustable heating levels make it a versatile accessory for outdoor photography and astronomy.

## **SV172 Dew Heater Strip with USB Port**

*Keeping your telescope lens dew free*



*The SVBONY SV172 Dew Heater Strip in use, keeping a telescope lens clear during nighttime observation.*

### **PACKAGE CONTENTS**

Please check the package to ensure all items are present:

- 1 x SV172 240mm Dew Heater Strip
- 1 x Carrying Case
- 1 x Three Position Thermostat (integrated with USB cable)
- 1 x User Manual (this document)



*All components included in the SVBONY SV172 Dew Heater Strip package.*

## FEATURES

- **USB Powered:** Features a 1.8m USB cable for convenient connection to power banks or other USB power sources (5V input voltage, 1.9A to 2.0A input current).
- **Universal Application:** Effectively prevents fogging and dew on telescope and camera lenses. Can also be used for warming water bottles or as a wrist/knee strap.
- **Compact Design:** Suitable for external diameters below 76mm. The narrow 50mm width avoids interfering with focusing and prevents dark corners in the field of view. Lightweight at 66g (2.32oz).
- **Adjustable Temperature:** Offers three heating modes (Strong, Medium, Weak) to adjust temperature according to environmental conditions.
- **Efficient Heating:** Built-in aluminum ensures even heat distribution. Alloy fiber heating wire provides rapid heating. Three-layer insulation material reduces heat dissipation.



## Hook-and-Loop Fastener



## Unique design for safe heating

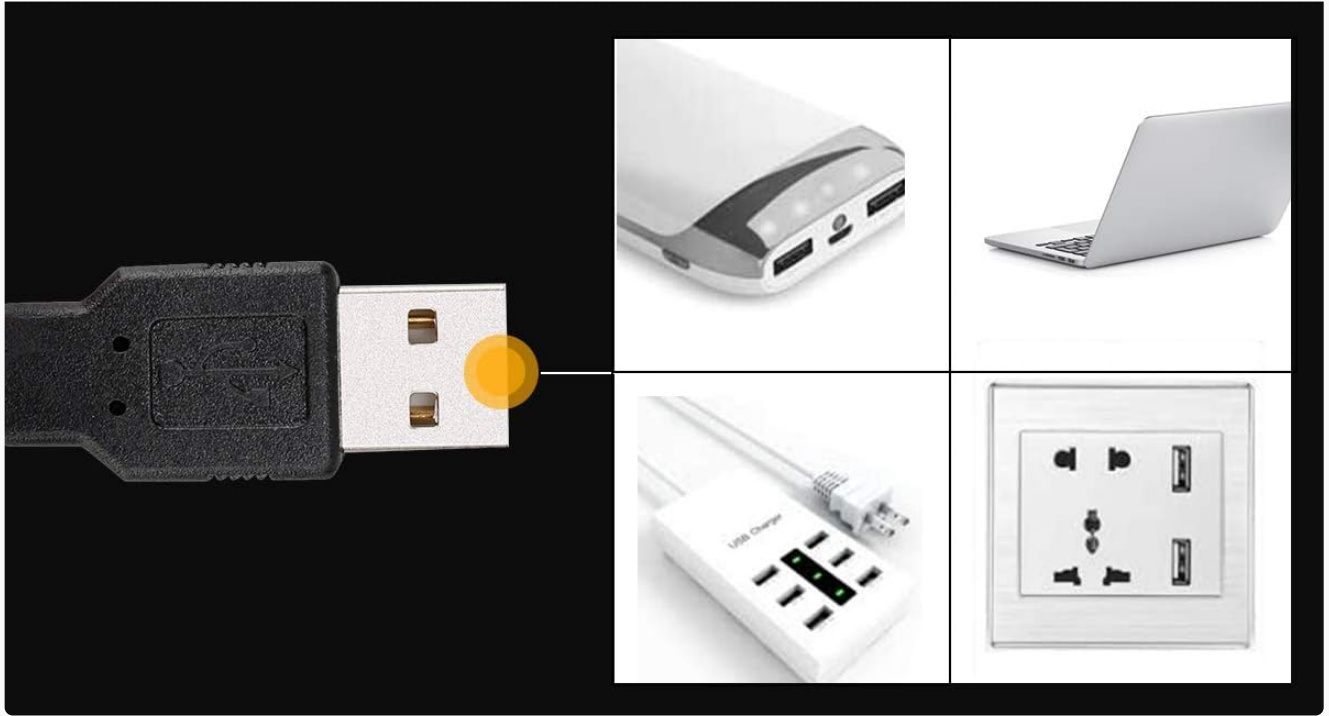
*Detail of the hook-and-loop fastener and internal design for secure and safe heating.*

### SETUP

1. **Unpack the Heater Strip:** Carefully remove the SV172 Dew Heater Strip and its components from the carrying case.
2. **Attach to Lens/Tube:** Wrap the heater strip around the optical tube or camera lens you wish to protect from dew. Ensure the strip is positioned near the exposed glass surface. Use the hook-and-loop fastener to secure it snugly, but not overly tight, to allow for even heat transfer. The strip is designed for external diameters below 76mm.
3. **Connect Power:** Connect the USB plug of the heater strip to a compatible 5V USB power source, such as a power bank, laptop USB port, or a USB wall adapter. The cable length is 1.8m.



*The SVBONY SV172 Dew Heater Strip with its integrated USB controller.*



*Connecting the USB cable to a portable power bank.*

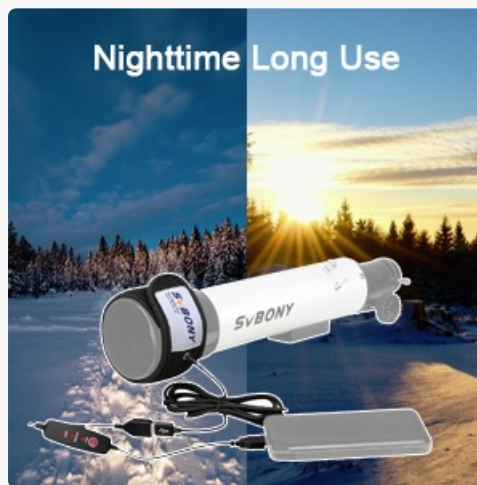
*Video demonstrating the installation and usage of the SV172 lens warmer.*

## OPERATING INSTRUCTIONS

1. **Power On:** Once connected to a power source, press the power button on the integrated three-position thermostat to turn on the heater strip.
2. **Adjust Temperature:** The thermostat offers three heating levels: Low, Middle, and High. Press the power button repeatedly to cycle through these modes. Select the appropriate heating level based on the ambient temperature and humidity to effectively prevent dew formation without overheating.
3. **Continuous Operation:** The heater strip is designed for continuous operation throughout your observation or photography session to maintain a consistent temperature above the dew point.



*The three-position thermostat allows for easy adjustment of heating levels.*



*The heater strip is designed for extended use during nighttime observations.*

## MAINTENANCE

- **Cleaning:** Wipe the exterior of the heater strip with a soft, dry cloth if it becomes dirty. Do not immerse in water or use harsh cleaning agents.
- **Storage:** When not in use, disconnect the power and allow the strip to cool completely. Store it in the provided carrying case in a dry, cool place away from direct sunlight.
- **Cable Care:** Avoid bending or twisting the USB cable excessively to prevent damage.

## TROUBLESHOOTING

- **Heater Not Warming:**
  - Ensure the USB cable is securely connected to both the heater strip and the power source.
  - Verify that the power source (e.g., power bank) is charged and functioning correctly.
  - Check if the power button on the thermostat is pressed and the indicator light is on.
- **Dew Still Forming:**
  - Increase the heating level using the three-position thermostat.
  - Ensure the heater strip is positioned correctly and snugly around the optical surface.
  - In extremely cold or humid conditions, additional dew prevention measures may be necessary.

- **Overheating:**

- If the strip feels too hot to the touch, reduce the heating level.
- Ensure proper ventilation around the optical equipment.

## SPECIFICATIONS

Feature	Specification
Product Dimensions	5.9 x 4.7 x 1.7 inches
Item Weight	5.3 ounces (66g)
Item Model Number	FW9132A
Heater Strip Length	240mm
Heater Strip Width	50mm
Input Voltage	5V
Input Current	1.9A to 2.0A
Cable Length	1.8m
Heating Modes	3 (Low, Middle, High)

## SAFETY INFORMATION

- This product is specifically designed for dew prevention on camera lenses and telescopes.
- Keep out of reach of children.
- Avoid prolonged exposure to direct sunlight when not in use.
- Do not modify or disassemble the device.
- Use only with compatible 5V USB power sources.

## WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official SVBONY website or contact your retailer. Keep your purchase receipt for warranty claims.