



User Manual – Dew Heater for StarSense Explorer

Purpose

The **Dew Heater for StarSense Explorer** is designed to protect the exposed mirror of the StarSense smartphone dock from dew and condensation during nighttime observations. By gently warming the surface, it ensures clear visibility and uninterrupted use of your telescope.

Package Contents

- **Dew Heater** – heating element designed to wrap around the mirror housing.
 - **Mounting System** – ultra-thin Velcro strips with silicone adhesive backing that hold securely to plastic surfaces and can be removed without leaving mark
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Installation

1. Remove the mirror holder

For easier installation, we recommend removing the mirror holder from the dock station by loosening the two screws with a Phillips screwdriver.



(See Figure 1)

2. Attach the Velcro strips

Apply the Velcro strips to the **outer plastic surface** of the mirror housing.



(See Figure 2)

3. Mount the dew heater

Position the heater around the mirror housing and press it firmly against the Velcro strips with your hands until it is secured in place.



(See Figure 3)

4. Reinstall the mirror holder

Place the mirror holder back onto the dock station and tighten the screws.



5. Connect to the power source

Plug the heater into your **dew heater controller** (recommended) or directly into a **12V DC power source**.

Operation

- **Using with a controller**

Connect to any R-Sky or compatible dew heater controller for adjustable power.

- If the mirror is already fogged: set power to **100%** and wait until the dew fully evaporates (may take 5 minutes or longer).
- For best results: turn the heater on **at the beginning of your observing session** at ~50% power, and increase as needed.

- **Using without a controller**

The heater can also be connected directly to a **12V DC power supply**. In this case, it will operate at **full power continuously**. An adapter may be required depending on your setup.

Important Notes

- Although the Dew Heater for StarSense Explorer is **easy to install and remove** thanks to the Velcro system, we recommend keeping it permanently attached for best convenience and reliability.
- The silicone-backed Velcro leaves no residue if removed.