



ROOF VENT USER MANUAL

MODEL: ROOF-VENT



ABOUT US

Founded in 2018, the San Hima brand stands for passion and enthusiasm for exploring the spectacular nature of the great outdoors. Since its inception, the trusted solutions and proven designs that San Hima offers to the market have made adventure and travelling flexible and enjoyable!

Based in Australia, San Hima has under its umbrella a wide selection of outdoor solutions, including cargo systems, vehicle protection accessories and tow & trailer parts, that are designed to help you carry your gear wherever your passion takes you and boost your performance when conquering the peaks!

At San Hima, we have wild souls and we are committed to designing products that are tough enough to take on any adventures and at the same time, making them safe and easy to use. These values in our conviction are what drive us to make innovations. Since pursuit your passion shouldn't be complicated.

Live the Peak, Conquer the Everest, San Hima is your brand of choice!



Please read this user manual carefully before installation and first use, and store it in a safe place.

SAFETY PRECAUTIONS

WARNING! Please read and understand all safety precautions, installation instructions, and operating instructions before operating this appliance. Failure to properly follow the guidelines established here could result in severe injury, fire or even death.

- **FALL HAZARD:** Vent fans are normally located on the roof of an RV. It is inherently dangerous to climb onto the roof of an RV to perform installation, maintenance, or repair on a vent fan. Take appropriate precautions when climbing onto the roof of an RV or when working on the roof of an RV. Failure to do so could result in a fall, causing serious injury or death.
- Keep appliance away from children. Never let children operate the unit.
- Do not modify or alter this appliance.
- Do not leave the vent fan lid open and unattended for extended periods of time, or under unusual weather conditions that may result in leakage and serious damage.
- Do not use this product in harsh weather conditions.
- When installing your roof flange, only use a sealant compatible with the flange (plastic product) and the roof surface. Do not use materials containing solvents such as or similar to Xylene, Toluene, Methyl Ethyl Ketone, Acetate or Acetone as they can damage the flange. Also, Polysulfide (Thiokol) type sealants must be avoided. Silicone sealants such as G.E. Silicone II (non-paintable) used for outdoor applications have proven to be suitable for this installation.
- Connecting the appliance to a circuit other than 12V DC or with incorrect polarity could damage the appliance, cause injury to persons or damage to property and void the warranty.
- Red wire must be connected to the vehicle's positive terminal while the white wire is connected to the negative terminal.
- When installation is finished, make sure there is no blockage caught in the fan blades before turning on the appliance.
- Please note that the roof fan will not work when the fan cover lid is closed.

PACKAGE CONTENTS

- 1 x Roof vent with roof flange
- 1 x Interior garnish
- 4 x Screws
- 1 x Fuse
- 1 x Installation instructions

PRODUCT OVERVIEW



SPECIFICATIONS

Exterior Dimension:	16.54 x 16.54in (420 x 420mm)
Roof Opening Dimension:	14 x 14in (355 x 355mm)~15.16 x 15.16in (385 x 385mm)
Ceiling Opening Dimension:	13.58 x 13.58in (345 x 345mm)~14.96 x 14.96in (380 x 380mm)
Roof Thickness:	>1.65in (42mm)
Product Weight:	10.58lbs (4.8kg)
Rated Power:	18~30W
Rated Voltage:	12V DC
Rated Current:	2A
Fuse:	5A Slow Blow Fuse
Motor Speed:	1200/min
Flow Rate:	HIGH: 909.71CFM (25.76m ³ /min) MED: 645.55CFM (18.28m ³ /min) LOW: 472.51CFM (13.38m ³ /min)
Noise level:	< 44dB(A)
Roof Flange Material:	PS
Interior Garnish Material:	PS
Lid Material:	PC
Fan Blade Material:	PC
Hinge Material:	Aluminum



RECOMMENDED TOOLS:

- Measuring tape
- Pencil
- Screwdriver
- Waterproof sealant
- Electrical wiring tools
- Electrical tape

INSTALLATION INSTRUCTIONS

1. This roof vent requires a roof opening from 14" x 14" (355 x 355 mm) to 15.16 x 15.16in (385 x 385mm).
2. If you are replacing another type already installed, remove the old existing roof vent. Remove the old roof sealant around the roof opening. Place the roof vent into the roof opening and trace a pencil line around it to verify the clean seal area that will be required.
3. Apply sealant within the area you have traced on the roof with a pencil. Apply it carefully to avoid gaps that may allow water to enter.
4. Fasten the roof vent to the roof with 4mm flat head self tapping screws. Note that the roof vent must be centered in the roof opening with the roof vent open facing the rear of the vehicle. Make sure the power wires slide to the vehicle interior and do not become entangled.
5. Apply additional sealant over the screw heads and around the edge of the roof flange.
6. Measure the thickness of the RV roof. If your roof is thinner or the length of the interior garnish is too long, the garnish can be trimmed down to fit in your roof opening. Place interior garnish over fan from inside of the RV. Install the interior garnish securely with provided screws.
7. Connect the vehicle's 12V power to the two power wires of the appliance.



OPERATING INSTRUCTIONS

Opening Fan Cover Lid

Note: Do not use excessive force when operating knob.

1. Rotate handle counter-clockwise to open fan lid.
2. Rotate handle clockwise to close fan lid.

IN/OUT Knob Functions

Use the fan's IN/OUT knob to turn off or reverse the direction of the fan.

1. To turn off the fan, turn knob to OFF position.
2. To change the direction of the fan, first turn knob to OFF position. Once the fan comes to a complete stop, turn knob to desired speed.

Note: The fan has different speeds depending on the direction of the air flow. If the air flows IN, there are two speeds: high and medium. If the air flows OUT, there are three speeds: high, medium and low.

FUSE REPLACEMENT

If fan blades stop rotating, replace the fuse in the following steps.

1. Turn the screw cap counter-clockwise to remove it.
2. Take out the old fuse.
3. Place the new fuse into the fuse holder.

Turn the screw cap clockwise to tighten it.



CARE/MAINTENANCE

1. Turn off fan and disconnect wiring from RV power supply before inspecting and cleaning fan.
2. Place a good amount of rubbing alcohol on a clean rag and wipe down the underside of the fan cover lid.
3. Remove the fly screen and use a clean rag with rubbing alcohol to clean the fan blades.
4. Install the fly screen back once the fan blades are clean.
5. Reconnect wires when the maintenance and cleaning process is finished.



WARRANTY

WARRANTY PERIOD:

SAN HIMA warrants that each of our roof vent that is purchased while this Warranty is in effect will be free from defective workmanship and materials for a period of 1 year.

WHAT DOES THE WARRANTY COVER?

Under normal usage conditions, this warranty covers:

1. Any defect in design or manufacture which results in its failure to perform correctly as described.
2. Damage or loss incurred in transit.
3. We will either replace the product or provide you with a refund at our discretion provided that the fault is found to have been caused by a design or manufacturing defect and not misuse or tampering.
4. Shipping costs of returning the product for a proven defect.
5. The limited warranty is the only one that applies to this unit, and it sets forth all the responsibilities of SAN HIMA.

THE WARRANTY DOES NOT COVER:

1. Travel and /or other expenses due to customer's location.
2. Damage caused by mould, adverse weather, extreme temperature, accidents and daily wear and tear.
3. This unit is not intended for commercial use. This warranty does not apply to damage to units from misuse or incorrect installation/connection. Misuse includes wiring or connecting to improper polarity power sources.