

SAN HIMA SH-CARGO-RACK-US

SanHima Adjustable Truck Bed Rack with LED Lights

User Manual

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your SanHima Adjustable Truck Bed Rack with LED Lights. Designed for full-size trucks without factory bed rails or tonneau bed covers, this robust rack enhances your vehicle's cargo capacity and versatility.

Important Note: This truck bed rack is not compatible with trucks that have existing tonneau covers or factory bed rails. Please verify your truck's configuration before proceeding with installation.



Image: The SanHima Adjustable Truck Bed Rack, a black metal structure, is shown installed on the bed of a white pickup truck, featuring integrated LED lights at the front.

2. WHAT'S IN THE BOX

Upon opening the package, ensure all the following components are present:

- 1 x Truck Bed Rack with LED Lights
- Mounting Hardware
- 1 x User Manual (this document)

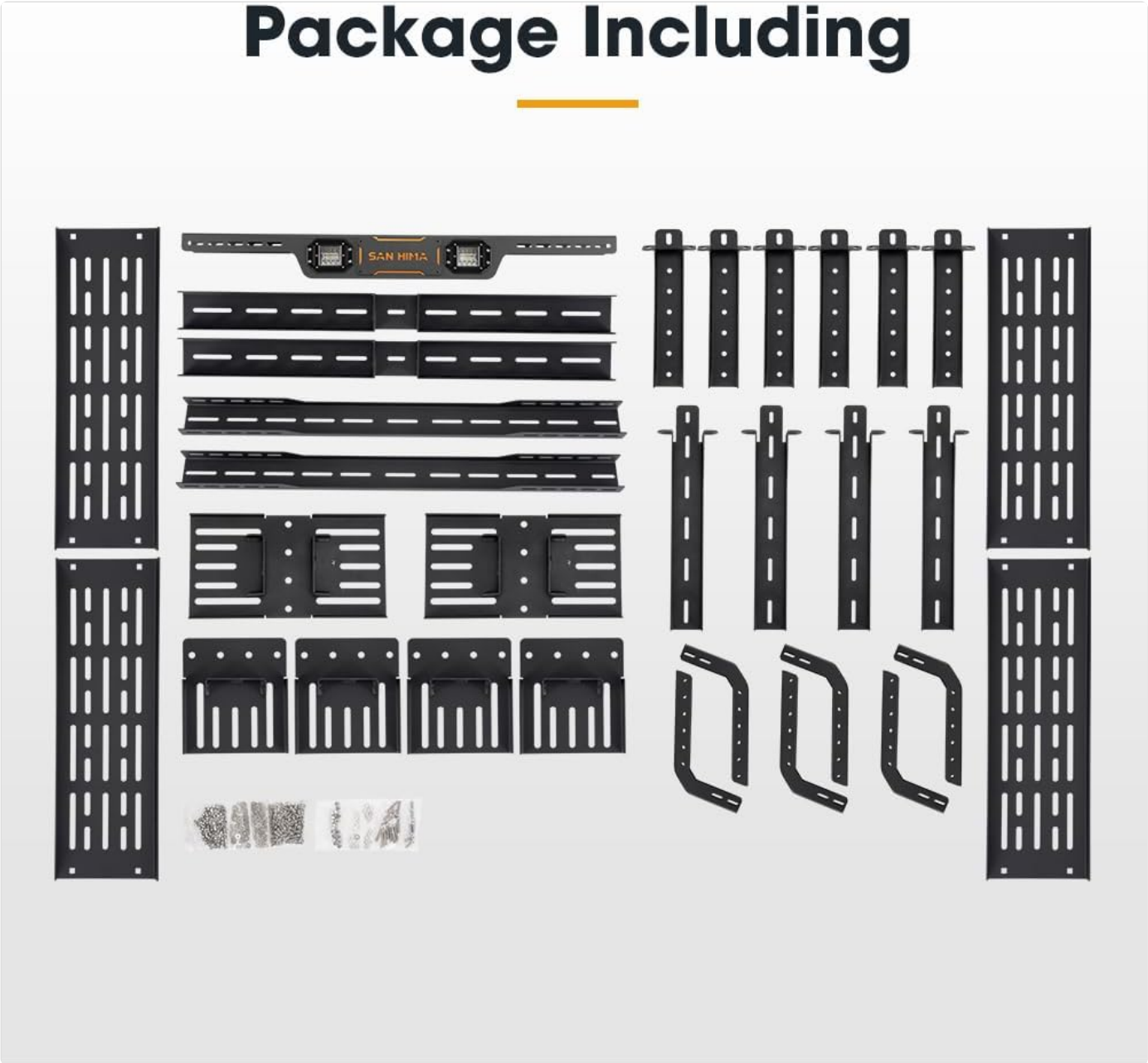


Image: A flat lay showing all components included in the SanHima Truck Bed Rack package, including various metal rack sections, mounting brackets, and bags of hardware.

3. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	SAN HIMA

Model Number	SH-CARGO-RACK-US
Material	3mm thick powder-coated steel
Static Load Capacity	Up to 1,100 lbs (499 kg)
Dynamic Load Capacity	Up to 660 lbs (299 kg)
Adjustable Width	59.5" ~ 65.9" (151.1 cm ~ 167.4 cm)
Adjustable Height	16.2" ~ 21.8" (41.1 cm ~ 55.4 cm)
Adjustable Length	57.5" ~ 72.8" (146.1 cm ~ 184.9 cm)
Item Weight	138.9 pounds (63 kg)
Auxiliary Lights	Two rear LED auxiliary lights

Your Exact Fit, Every Time

Customize the widths (59.5" ~ 65.9"), heights (16.2" ~ 21.8"), and length (57.5" ~ 72.8") to fit more gear or keep a low profile.



Image: A visual representation of the truck bed rack's adjustable dimensions, highlighting the width, height, and length ranges.

4. SETUP AND INSTALLATION

The SanHima Truck Bed Rack is designed for straightforward installation. Please follow the detailed, step-by-step instructions provided in the included user manual to ensure proper and secure setup.

1. **Preparation:** Before beginning, ensure your truck bed is clean and free of debris. Confirm that your truck does not have a tonneau cover or factory bed rails, as these are incompatible.
2. **Component Identification:** Lay out all components from the package and identify them using the parts list in the manual.
3. **Assembly:** Assemble the main rack frame according to the diagrams. Pay close attention to the orientation of each piece.
4. **Mounting:** Secure the assembled rack to your truck bed using the provided mounting hardware. Ensure all bolts are tightened to the specified torque (refer to the manual for torque specifications).
5. **Adjustments:** Adjust the width, height, and length of the rack to fit your specific truck model and desired configuration. Ensure all adjustment points are securely fastened.
6. **Wiring (LED Lights):** Connect the wiring for the LED auxiliary lights as per the electrical diagram in the manual. Ensure connections are secure and protected from the elements.
7. **Final Check:** Double-check all connections and fasteners to ensure the rack is stable and securely mounted before use.

Product Dimensions



Image: A close-up view of the rack's modular construction and bolted joints, illustrating the ease of assembly.

5. OPERATION AND USAGE

5.1. Load Capacity

The SanHima Truck Bed Rack is engineered for significant load-bearing capabilities. It can support up to 1,100 lbs (499 kg) statically (when parked) and 660 lbs (299 kg) dynamically (when moving). This allows for secure transport of various gear, including fuel tanks, jacks, spare tires, awnings, and rooftop tents.



Image: A pickup truck equipped with the SanHima bed rack and a rooftop tent, demonstrating its massive load capacity in an outdoor setting.

5.2. Accessory Integration

The rack features multiple attachment points and can be augmented with side accessory panels (sold separately) to mount additional equipment such as shovels, traction boards, and other recovery gear. This maximizes your truck bed space and provides flexible storage options.

Maximize Space Maximize Fun

Attach whatever you need—from shovels to traction boards—and keep them within reach for those quick moments.



Image: The truck bed rack with various accessories, including a shovel and traction boards, attached to its side panels, illustrating space maximization.

5.3. LED Auxiliary Lights

The integrated rear LED auxiliary lights provide enhanced visibility. They can function as reverse lights for safer maneuvering or as flood lights to illuminate your campsite or work area. Operate these lights using the switch connected during installation.

Easy DIY Installation

Install with basic tools and follow the easy steps in the user manual for a smooth, stress-free setup experience.



Image: A close-up of the rear LED auxiliary lights on the SanHima truck bed rack, shown illuminated at night, highlighting their function for visibility.

5.4. Aerodynamic Design

The low-profile and streamlined design of the rack is engineered to minimize wind resistance, contributing to better fuel efficiency and reduced noise during high-speed travel.

Sleek and Aerodynamic Design

Cut down on drag with a streamlined, aerodynamic design that makes hauling gear a breeze, even at higher speeds



Image: A blue pickup truck with the SanHima bed rack installed, viewed from the rear, emphasizing its sleek and aerodynamic profile.

6. MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your SanHima Truck Bed Rack.

- **Cleaning:** Clean the rack periodically with mild soap and water. Avoid abrasive cleaners or solvents that could damage the powder-coated finish. Rinse thoroughly and dry to prevent water spots.
- **Fastener Check:** Periodically inspect all bolts, nuts, and mounting hardware for tightness. Vibrations from driving can loosen fasteners over time. Re-tighten any loose components to ensure the rack remains secure.
- **Corrosion Inspection:** Although made from powder-coated steel, inspect for any signs of rust or corrosion, especially in areas where the coating might be chipped or scratched. Touch up any damaged areas with appropriate rust-inhibiting paint to prevent further degradation.
- **LED Lights:** Check the functionality of the LED lights regularly. Ensure wiring connections remain secure and free from corrosion.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your truck bed rack.

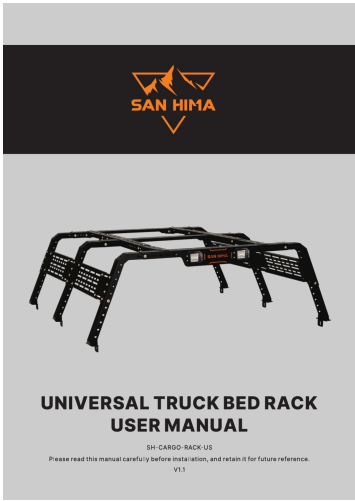
Problem	Possible Cause	Solution
Rack feels loose or unstable	Loose mounting hardware.	Inspect and re-tighten all bolts and nuts according to the installation manual's torque specifications.
LED lights not working	Loose wiring connection, blown fuse, or damaged light.	Check all electrical connections for tightness and corrosion. Inspect the fuse in your vehicle's fuse box. If connections and fuse are good, the light unit may need replacement.
Difficulty adjusting rack dimensions	Adjustment bolts are too tight or components are misaligned.	Loosen adjustment bolts slightly. Ensure components are aligned correctly before attempting to adjust. Apply a small amount of lubricant if parts are stiff.
Excessive wind noise during driving	Improper installation or accessories creating drag.	Verify all components are installed correctly and securely. Ensure no loose parts are vibrating. If accessories are mounted, consider their aerodynamic profile.

If you encounter issues not listed here or require further assistance, please contact SanHima customer support.

8. WARRANTY AND SUPPORT

The SanHima Adjustable Truck Bed Rack comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any inquiries regarding your product, please contact SanHima customer service through the official brand website or your point of purchase. Please have your model number (SH-CARGO-RACK-US) and proof of purchase ready when contacting support.



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