2026

Noovo **Next**

Owner’s Guidebook

noovo Premium vans



Welcome to the Noovo Family!

Go further, stay longer. Our advanced lithium system delivers robust, long-lasting power, reducing the need to plug in and unlocking greater freedom to explore.













Your van’s road-ready checklist

A smooth trip starts before the wheels begin turning. Use this checklist to ensure your systems are ready so your journey stays stress-free. A little preparation goes a long way!

Check the exterior

- [ ] Check tire pressure and tread wear.
- [ ] Shore cord disconnected.
- [ ] Shore power hatch is correctly closed.
- [ ] Fresh water inlet is correctly closed.
- [ ] Toilets service door is correctly closed.
- [ ] Gray water drain is correctly closed.
- [ ] Gas door is correctly closed.
- [ ] Awning rolled up.

Check the interior

- [ ] All windows and doors are securely closed.
  The sliding door is sometimes difficult to slam.
- [ ] All your belongings are tidy and secure in the drawers and cabinets.
  Make sure all drawers are securely closed (buttons pressed).
- [ ] Neither the heating nor the air conditioning of the van are running.
- [ ] The water pump is not running.
- [ ] The van’s lights are off.
- [ ] You and your passengers have fastened your seat belts.
- [ ] You have adjusted your seat and mirrors.

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About this guidebook



This owner’s guide is designed to help you confidently operate, maintain, and enjoy your van for years to come. Inside, you’ll find important information about your vehicle’s features, systems, controls, safety guidelines, and maintenance recommendations, which were created to help keep your van performing at its best. From routine care to helpful troubleshooting tips, this guide is here to support you so you can spend less time worrying about the details and more time enjoying the journey ahead.

Read this guide carefully, it will help you to learn how to use the van’s features and controls safely and efficiently. It can also help you to avoid problems down the road. For every question or issue with your van please refer to the summary at the beginning of this user book.

You’ll find three main chapters in this book: the electrical system, the water system, and the use of your interior and exterior features corner by corner (kitchen, bathroom, living, bedroom, outside).

This owner’s guide includes important safety notices, best practices, and vehicle hazard alerts using the following three designations:

NOTE: A note is a piece of information that is intended to provide additional context or clarification about a particular topic. Notes can be used to:

- Highlight important information
- Provide additional details about a complex topic
- Explain the reason for a particular step or procedure
- Offer tips or advice on how to perform a task
- Warn you about potential hazards or risks

CAUTION: A caution is a piece of information that is intended to alert the user to a potential hazard or risk, but which is less severe than the hazards or risks associated with warnings. Cautions are typically used to:

- Prevent the user from damaging the product
- Avoid minor injuries to the user
- Ensure that the product is used safely and effectively

WARNING: a warning is a piece of information that is intended to alert the user to a potential hazard or risk. Warnings are typically used to:

- Prevent the user from getting injured or killed
- Protect the product from damage
- Prevent the user from violating any laws or regulations

Warnings are an important part of this user guide. This can help to keep you safe and protect the van and its components from damage. It is important to note that warnings are not intended to be a complete list of all potential hazards and risks. Users should always exercise caution when using any product and should read the user guide carefully before using the product for the first time.

We hope this guide helps you get the most out of your van so you can travel confidently, explore freely, and enjoy every adventure as much as we do.

About Noovo

We are a camper van conversion company that specializes in building off-grid camper vans with a focus on comfort and style. Our vans are equipped with everything you need to live off-grid, including a full size bed, fully equipped kitchen, bathroom, and solar power system. Because we traveled one year in a bus we designed and built, we know what matters on the road and in your van.

Our Work

All our Noovo vans are built with the lightest materials and the latest technology on the market. Made to be super durable, they are also designed to be low-maintenance and easy to keep clean.

We take great pride in our vans being well-designed, high-quality, and long-lasting. We have implemented several quality control processes to ensure this.

RVIA Certified

RV Industry Association-certified, our Noovo Next meets over 500 safety standards across electrical, plumbing, heating, fire & life safety, and construction, facilitating easier financing, insurance, and resale.

The Recreation Vehicle Industry Association (RVIA) is a trade association that represents the RV industry in North America. RVIA members include manufacturers, suppliers, dealers, and other businesses that support the RV industry.

RVIA certification is a voluntary program that helps to ensure that RVs meet certain safety and quality standards. RVIA certified RVs are inspected by independent third-party inspectors for compliance with RVIA standards.

The RVIA RV certification process is as follows

1. The RV manufacturer submits an application to RVIA.
2. RVIA reviews the application and assigns an inspector to the manufacturer’s plant.
3. The inspector conducts a comprehensive inspection of the manufacturer’s plant and production process.
4. The inspector also inspects a sample of RVs from the manufacturer’s production line.
5. If the manufacturer’s plant and RVs meet RVIA standards, the manufacturer is granted RVIA certification.

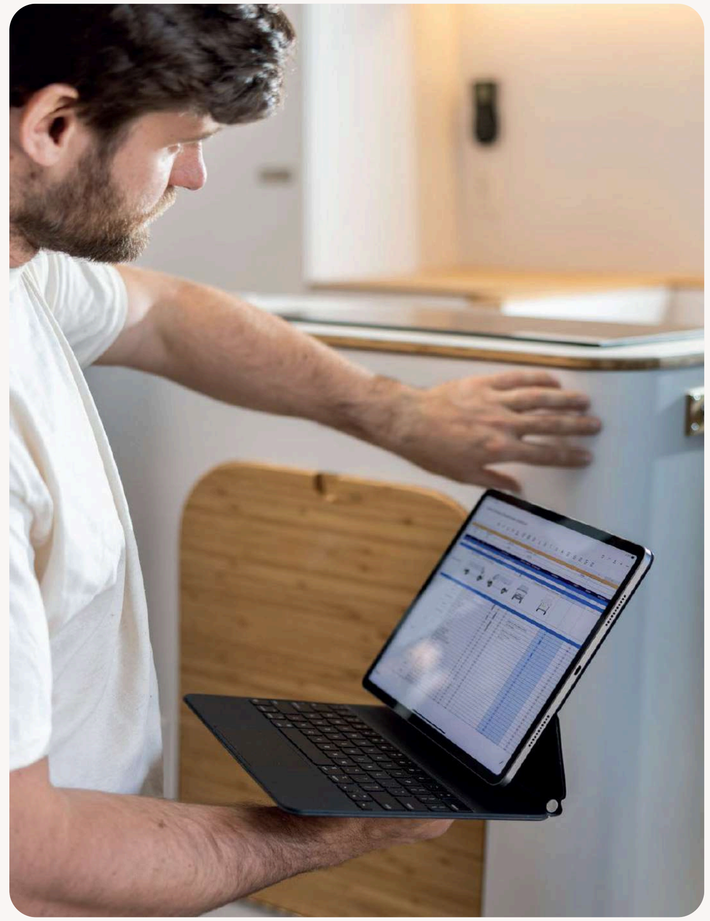
RVIA certified RVs are issued a certification label that can be displayed on the RV. The certification label indicates that the RV has met RVIA standards and is safe for use.

RVIA certification is important for both consumers and manufacturers. For consumers, RVIA certification provides peace of mind knowing that the RV they are purchasing has been inspected for safety and quality. For manufacturers, RVIA certification helps to ensure that their RVs are of high quality and meet consumer expectations.

Final Inspection

Each of our vans is built with high-quality construction and an extensive attention to detail. The inspection process ensures that every detail is meticulously checked, guaranteeing that your dream van meets our high standards of quality and safety.

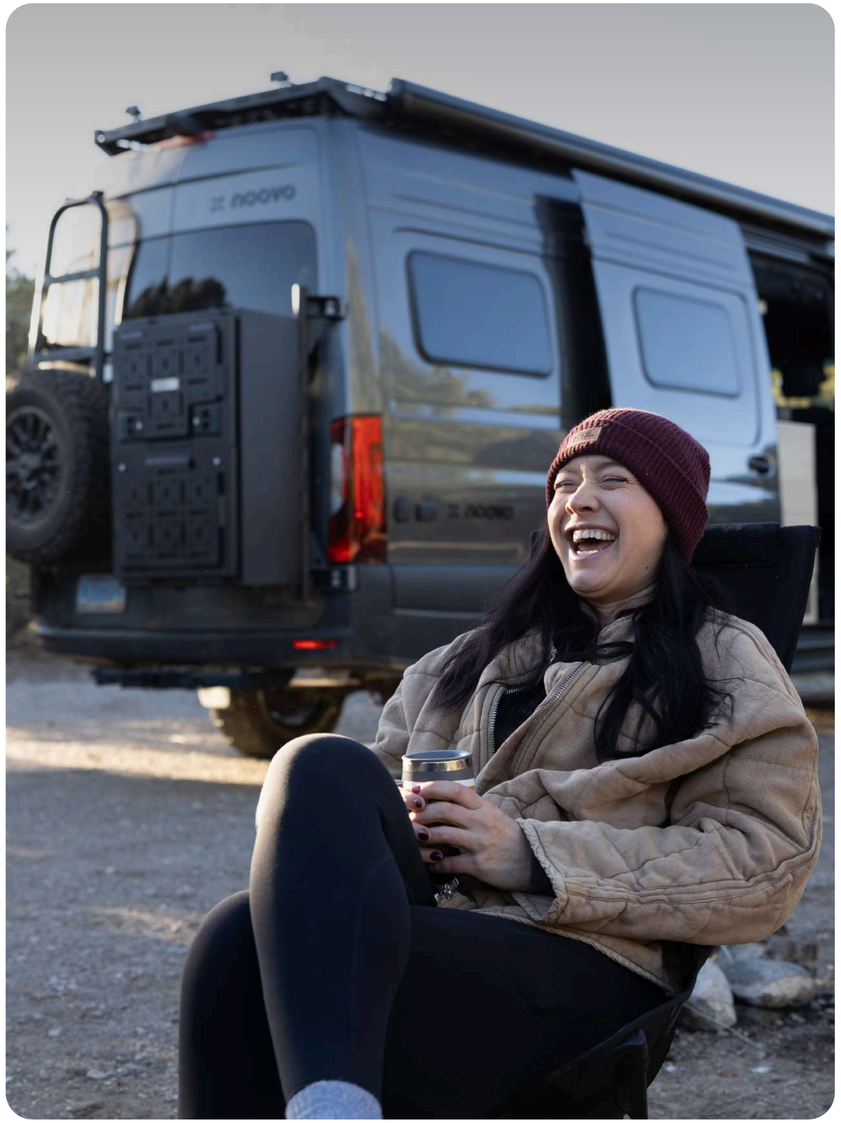
1. Leak inspection.
2. Electrical & Plumbing inspection.
3. Craftsmanship inspection.



Our vans models evolve with our customers and their needs. We are constantly seeking to offer you the best possible travel, living, and comfort experience.

NOTE: This User Guide is general in its coverage of the vehicle components and systems. Some of the exact equipment or functions may have been changed due to continuous product improvement. Your vehicle may differ slightly from the information included herein. Descriptions, images, and specifications were correct at the time of publication, but Noovo reserves the right to make changes, without obligation to install the same products previously manufactured.

You & Noovo



Assistance

We are committed to providing ongoing customer support and technical assistance to help you get the most out of your Noovo van.

For service or technical assistance, please contact us at:

service@noovolife.com

+1 (702) 518-0053

We’ll do our best to help you get back on the road as quickly as possible.

Reporting of Safety Defects

If you suspect a safety-related issue with your vehicle or van conversion, please contact Noovo Customer Service as soon as possible. You may also report safety concerns directly to the National Highway Traffic Safety Administration (NHTSA).

Warranty & Coverage

Noovo provides a limited 3-year / 36,000-mile craftsmanship warranty covering the van conversion and optional features installed by Noovo.
For complete warranty terms, coverage details, limitations, and exclusions, please refer to the official Noovo Limited Warranty documentation provided with your vehicle purchase.

Your Van Chassis

Every great adventure starts with a solid foundation. Built on a dependable chassis engineered for life on the road, your Noovo Next is designed to handle long drives, changing weather, and spontaneous detours with confidence. Good bones make for great adventures.

Model	Mercedes-Benz® Sprinter All-Wheel-Drive (AWD), 170” Wheelbase, High Roof, 3500xd
Engine	Intercooled Turbo Diesel I-4 2.0 L/119
Horsepower	208 @ 3800
Transmission	9-Speed Automatic
Fuel Tank	Approx. 24.5 Gallons
MPG*	20-24 Estimated Highway (empty)
Fuel Type	Diesel
Drive Train	All-Wheel Drive
Seating Capacity	2 Passengers. All passengers must be in seats with seat belts fastened when van is in motion

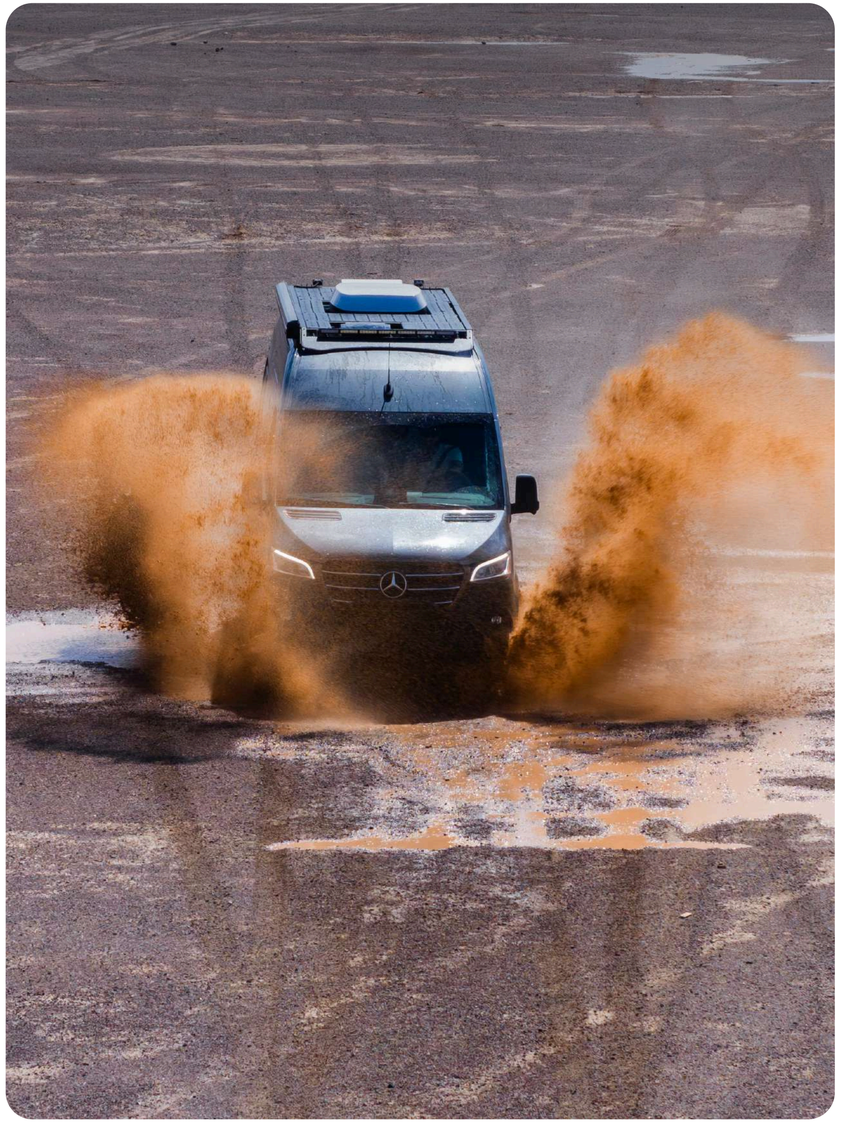
Tires	KO3 BF Goodrich All-Terrain Tires LT295/70 R17
Overall Length	22’10” (Not including spare tire & bike racks)
Overall Height	11’ (including A/C)
Overall Width	6’ 8” (without mirrors)
Interior Height	6’ 3”
Payload Capacity	Approx 4,879 lbs
Towing Capacity	Max 7,500 lbs
Maximum Gross Vehicle Weight Rating (GVWR)	11,030 lbs

*MPG (miles per gallon) is an estimate and may vary depending on driving conditions, vehicle load, and other factors.





Driving Tips



Here are some good driving tips for your van

1. Be aware of the vehicle’s height and length. The Mercedes-Benz® Sprinter is a tall and long van, so it is important to be aware of its dimensions when driving, especially in tight spaces.
2. Allow extra space for braking and accelerating. Your van is a heavy vehicle, so it takes longer to brake and accelerate than a smaller vehicle.
3. Take corners slowly and carefully. Your van has a high center of gravity, so it is important to take corners slowly and carefully to avoid rollovers.
4. Be mindful of the vehicle’s blind spots. Your van has large blind spots, so it is important to use your mirrors and blind spot monitoring system when changing lanes or merging.
5. Avoid sudden lane changes and braking. Sudden lane changes and braking can cause your van to lose control.
6. Use the cruise control system to maintain a consistent speed. This will help to improve fuel economy and reduce wear and tear on the vehicle.
7. Inspect the tires regularly and make sure they are properly inflated.
8. Underinflated tires can cause your van to handle poorly and increase the risk of a blowout.
9. Have the vehicle serviced regularly by a qualified mechanic. This includes having the brakes, tires, and other safety components inspected and serviced regularly. This will help to keep the vehicle in good condition and prevent problems down the road.
10. When loading the van, make sure that the weight is evenly distributed. This will help to improve handling and stability.
11. Avoid overloading the van. Overloading can cause the van to handle poorly and increase the risk of a breakdown.
12. Drive defensively and be aware of your surroundings. This will help you to avoid accidents.

By following these tips, you can help to ensure a safe and enjoyable driving experience with your van!

Note: For more information on Sprinter-specific items such as driving controls, instrumentation, cruise control, climate controls, wipers, lights, and other chassis-related features, please consult your vehicle’s operating manual.

How to operate your parking brake

Your van is equipped with a traditional manual parking brake lever located next to the driver seat. Because the driver and passenger seats are designed to swivel, the parking brake mechanism is also designed to lower toward the floor to provide enough clearance for seat rotation.

When applying the parking brake, do not pull the lever excessively high. A light pull until you hear or feel the brake engage is sufficient. Pulling the lever too high may make it more difficult to release afterward.

To release the parking brake, gently pull the lever upward, press the release button, and lower the lever completely. For seat rotation, the parking brake should remain engaged but lowered toward the floor to allow proper seat clearance.

National and State Parks

It’s important to be mindful of regulations and etiquette when driving a van in national parks, public lands, and designated parking areas. Here are some guidelines to follow:

Obtaining Permits: Some national parks require permits for overnight camping or backcountry driving. Check with the park administration for specific permit requirements.

Staying on Designated Roads: Avoid driving off-road unless explicitly permitted. Stick to designated roads and trails to minimize environmental impact and protect sensitive habitats.

Respecting Wildlife: Be aware of wildlife and maintain a safe distance. Avoid feeding or approaching animals, and properly dispose of food waste to prevent attracting wildlife.

Leaving No Trace: Practice responsible camping and leave no trace of your presence. Pack out all trash, minimize campfires, and respect natural features and vegetation.

Parking Regulations: Be mindful of parking regulations in designated areas, including national park visitor centers, campgrounds, and trailheads. Park in designated spaces and avoid blocking access or causing congestion.

Local Etiquette: Respect local communities and businesses around national parks. Be mindful of noise levels, avoid littering, and support local businesses whenever possible.

By following these guidelines and being respectful of the natural environment, you can enjoy the unique experience of driving a van in US national parks while contributing to the preservation of these precious landscapes for future generations.

Overnight Parking

Overnight parking with a van can be a convenient and cost-effective way to explore new places and enjoy outdoor adventures. However, it’s important to choose safe and designated parking areas to ensure a comfortable and hassle-free experience. Here are some tips for overnight parking with a van:

Plan Ahead: Research your destination and identify potential overnight parking options before you set out. Consider factors like proximity to attractions, safety, and amenities when making your decision.

Choose Designated Parking Areas: Whenever possible, opt for designated overnight parking areas or campgrounds. These locations are typically well-maintained, offer security, and may provide amenities like restrooms and trash disposal.

Stealth Camping: If you prefer a more secluded experience, stealth camping involves discreetly parking overnight in public areas without explicitly designated camping facilities. However, be mindful of local regulations and etiquette to avoid trespassing or causing disturbances.

Consider RV Parks and Truck Stops: RV parks and truck stops often allow overnight parking for vans. These locations may offer additional amenities like showers, laundry facilities, and electrical hookups. Walmart and Target parking lots: Many Walmart and Target stores allow overnight parking for RVs and vans. While these locations may not offer amenities, they provide a safe and convenient option for short stays.

Discretion and Respect: When parking in public areas, be discreet and respectful of your surroundings. Avoid blocking access, generating excessive noise, or leaving trash behind.

Enjoy the Experience!

Overnight parking with a van can be a unique and rewarding experience. Embrace the adventure, enjoy the flexibility, and appreciate the opportunity to explore new places in your own way.

Security Measures

Take precautions to secure your van and valuables. Lock all doors and windows, consider using security devices like wheel locks, and keep valuables out of sight.

Know Your Limits

Be aware of your van's capabilities and limitations. Choose parking spots suitable for your van's size and avoid areas with challenging terrain or restricted access.

Embrace Flexibility

Overnight parking can sometimes be unpredictable. Be prepared to adjust your plans if necessary and explore alternative options if your initial choice is unavailable or unsuitable.



Passenger Safety

Passenger safety in a car is paramount for a safe and enjoyable driving experience. Here are some key aspects of passenger safety:

Seat Belts

Seat belts are the most effective single measure for reducing the risk of death and serious injury in car crashes. All passengers, regardless of age or seating position, should always wear seat belts properly, ensuring they are snug and secure across the chest and lap.

Avoiding Distractions

Passengers can play a role in reducing driver distractions. Avoid talking loudly, using electronic devices, or engaging in activities that might divert the driver's attention from the road.

Safe Entry and Exit

When entering or exiting the car, be mindful of traffic and avoid stepping out into oncoming traffic. Use designated crosswalks and pedestrian signals whenever possible.

Emergency Procedures

Familiarize yourself with the car's emergency features, such as seat belt release mechanisms, door locks, and window exits. This knowledge can be crucial in the event of an emergency.

Communication

Open communication between the driver and passengers can contribute to a safer driving environment. Passengers should feel comfortable expressing concerns or requesting adjustments to their seating or comfort levels without hesitation.

Respecting Driver Authority

Passengers should respect the driver's authority and avoid making requests or engaging in behavior that could distract or hinder the driver's ability to operate the vehicle safely.

Personal Responsibility

Passengers also have a responsibility to behave safely and avoid actions that could endanger themselves or others. Avoid consuming alcohol or drugs before or during car rides, and refrain from engaging in activities that could cause distractions or disruptions.

Cleanliness

Keep the van's interior clean and free of clutter. This will help to prevent passengers from tripping and falling.

Flat Tire Repair

Your Noovo Next is equipped with a spare tire, jack, and tire-change tools designed for emergency roadside tire replacement. Because of the size and weight of the vehicle, extra caution should always be used when changing a tire.



Spare Tire Location

Your van is equipped with the Rear Combo Ladder Tire Carrier option, so the spare tire will be mounted directly onto the ladder system.

Be careful when removing the spare tire, it is very heavy.

Jack & Tools

At the time of delivery, the jack and tire-change tools are located inside your living room bench.

You will need a specific socket to remove the lug nut caps before changing a tire. This key is located in your bench, with the jack.

Before Changing a Tire

- Park on stable, level ground away from traffic whenever possible.
- Turn on the hazard lights.
- Apply the parking brake.
- Place the vehicle in Park.
- Never change a tire on a slope or unstable surface.
- If available, use wheel chocks to prevent vehicle movement.

Tire Replacement Procedure

1. Slightly loosen the wheel lug nuts before lifting the vehicle. (Use the socket located in your bench).
2. Locate the designated jack point closest to the flat tire underneath the chassis.
3. Position the jack securely and raise the vehicle slowly until the tire clears the ground.
4. Remove the lug nuts and replace the wheel with the spare tire.
5. Tighten the lug nuts gradually in a star pattern.
6. Lower the vehicle completely.
7. Fully tighten the lug nuts once the tire is on the ground.

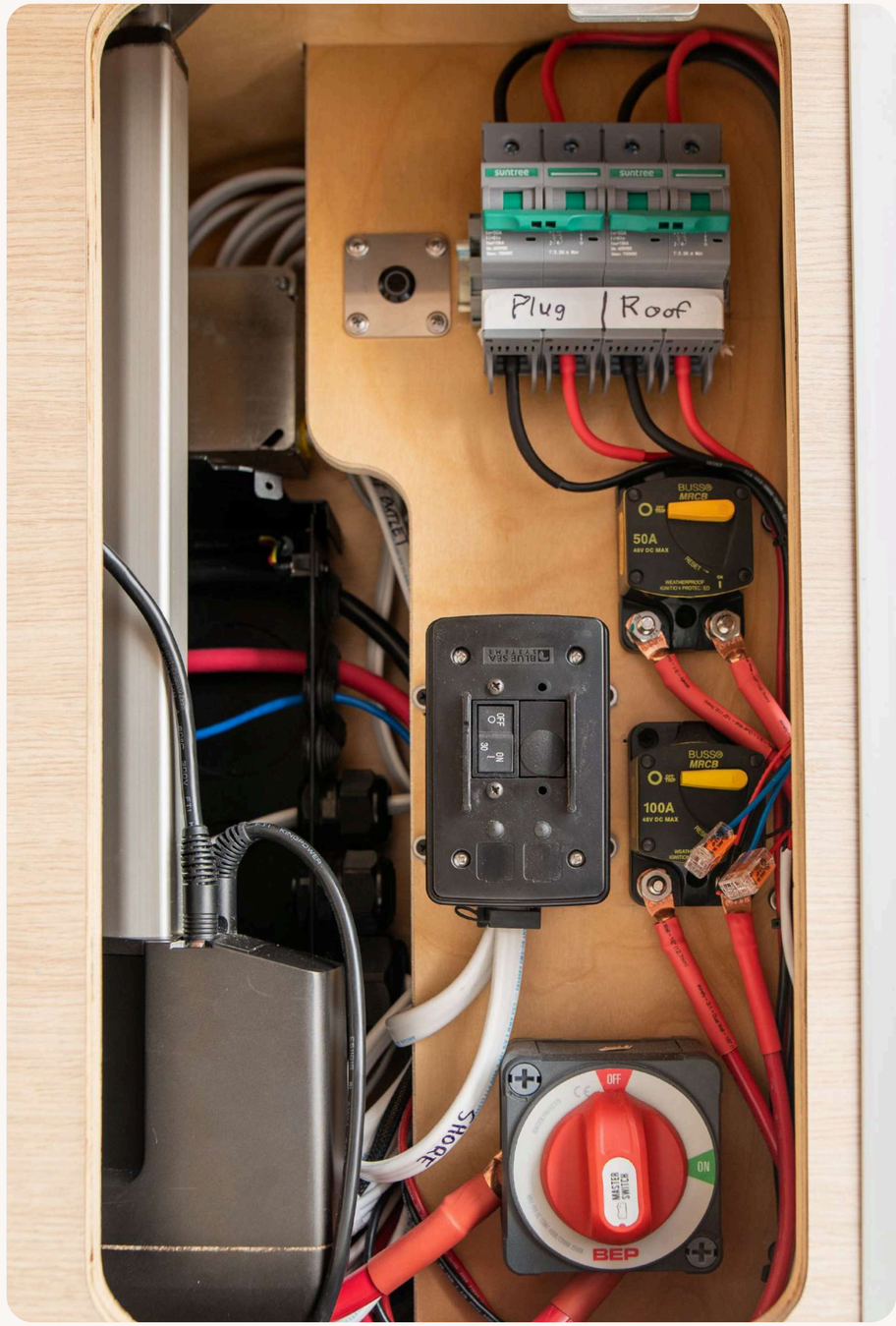
Important Safety Information

- Never place any part of your body underneath the vehicle while supported only by the jack.
- Due to the weight of your van, always use the factory-designated lifting points.
- Drive cautiously with the spare tire installed and replace or repair the damaged tire as soon as possible.
- Regularly check the spare tire pressure to ensure it is ready for use in an emergency.

Your Electrical System

Your electrical system is located beneath the passenger-side bench in the lounge area. Remove the seat cushion to access a large wooden panel, which can be lifted using the circular cutout. Inside, you will find the main power switch, the BMS switch, the DC breaker, and the solar panel breakers, all easily accessible for system control.

- Lithionics Battery® 51V
- Pro Installer 400A EZ-Mount Battery Switch
- Lithionics Battery® BMS
- Garmin SERV 10” Display
- 48V 100A Lithionics Generator Alternator
- Smart Solar MPPT 150/35 Charge Controler
- 450W Solar System
- MultiPlus 48/5000/120-50 120V
- WFCO® Distribution Center
- Lynx Distributor
- Series 187 Surface Mount Thermal Circuit Breaker
- Cerbo GX Mk2



Electricity Basics

Your van's electrical system is essential, so it's important to learn about electricity basics. This will help you understand how your electrical box works and how to stay safe, save money, and keep your van's electrical system in good condition.

Let's dust off our physics caps and learn how electricity works!

Voltages

Van electrical systems are typically 12V DC systems. This means that the batteries, appliances, and other electrical components in the van all operate on 12 volts of direct current.

Amperage

Amperage is the flow of electricity through a circuit. It is measured in amps. The higher the amperage, the more electricity is flowing through the circuit.

Wattage

Wattage is the power consumption of an electrical device. It is measured in watts. The higher the wattage, the more power the device consumes.

Inverters

Inverters are used to convert DC power from the batteries to AC power that can be used to power appliances and devices.

Fuses and Breakers

Fuses and breakers are safety devices that protect electrical circuits from overload. If too much current flows through a circuit, the fuse or breaker will trip, interrupting the current flow.

AC Power (alternating current)

Is a type of electrical current that periodically reverses direction. The frequency of the AC current is the number of times it reverses direction per second. The standard frequency for AC power in most countries is 60 Hz, which means that the current reverses direction 60 times per second.

DC Power (direct current)

Is a type of electrical current that flows in one direction only. DC power is commonly used in batteries, solar panels, and some electronic devices.

AC power is used in homes and businesses because it is easy to transmit over long distances and it can be easily converted to DC power for use in electronic devices. DC power is used in batteries and solar panels because it is easier to store and use than AC power.

Here are some of the key differences between AC and DC power:

Characteristic	AC Power	DC Power
Direction of current flow	Periodical reverse	One direction only
Frequency	60 Hz (standard)	0 Hz (standard)
Transmission over long distances	Easy	Difficult
Storage	Difficult	Easy
Use in electronic devices	Requires conversion to DC power	Can be used directly

Electrical System Capacity

Battery capacity represents the total energy stored in the 12V system and determines how long you can run onboard equipment before recharging.
It is defined by voltage (12V) and ampere-hours (Ah), which together determine the total energy available (kWh). This system provides either 8.4 kWh or 16.8 kWh, depending on configuration.

Charging System

The charging system is used to recharge the batteries. It includes the engine-driven alternator, solar panels, shore power charging, and charge controllers that regulate and distribute the charging current to the battery system.

Inverters

Inverters are used to convert DC power from the batteries to AC power that can be used to power appliances and devices.

Solar Panels

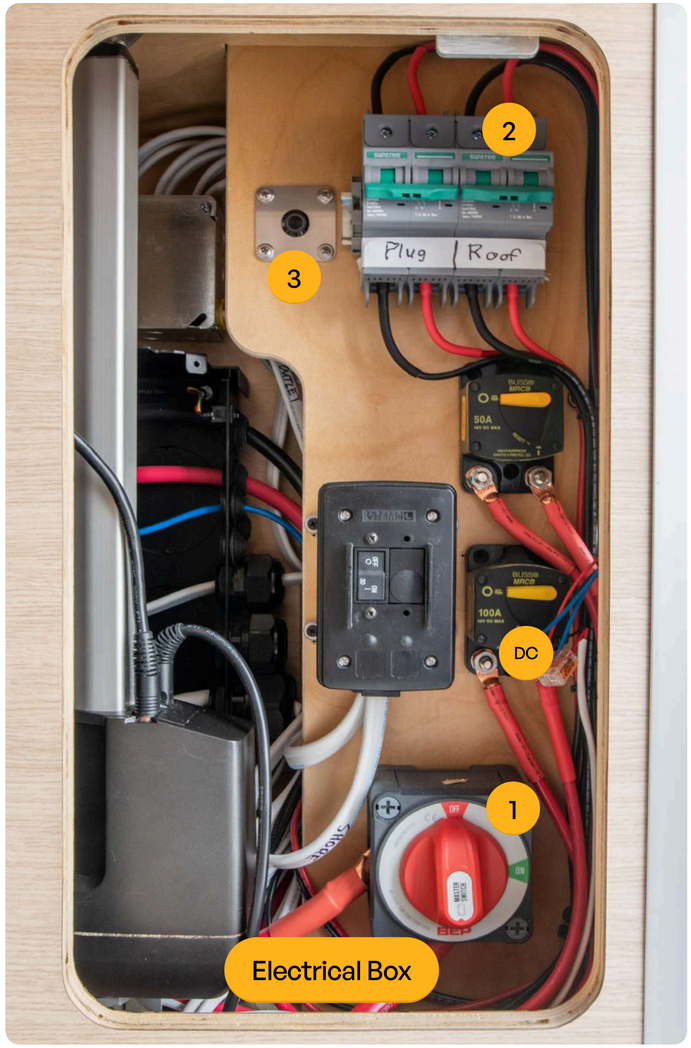
Solar panels can be used to charge the batteries from sunlight.

Shore Power

Shore power is AC power that can be plugged into from a campground or other external source.

Electrical System

Main components



1 Master Switch - Pro Installer 400A EZ-Mount Battery Switch

In the lounge area, lift the cushions on the passenger-side seats to access a large removable wooden panel.
Inside (see picture), you'll find the red main switch labeled ON/OFF. This switch controls the van's main power supply.
Switching it off disconnects the Lynx Distributor and cuts power to most onboard systems.

2 450W Roof-mounted Solar System & Solar breakers

Your van is equipped with two 225W Mono-TOPCon Flexible Solar Panels, for a combined solar capacity of 450W. Mounted on the roof, these lightweight low-profile panels continuously capture solar energy to help recharge the battery system while off-grid. Their flexible construction allows a clean roof integration while reducing weight and aerodynamic drag compared to traditional rigid panels.

Using advanced TOPCon monocrystalline cell technology, these panels provide improved efficiency, better heat performance, and stronger low-light production, helping maximize solar harvest throughout the day.

The solar energy collected by the panels is regulated by the Victron SmartSolar MPPT 150/35 controller before being distributed to the van's 48V lithium battery system.

To turn off solar power

Inside the electrical box, in the section closest to you—toward the lounge area table—you will find the solar panel breakers. Flip the solar breaker (2) in the down position

Maintenance:

To keep your solar panels performing at their best, clean them regularly using a soft, damp cloth. A broom or long-handled tool can help you reach the panels easily. Keeping the panels free of dust and debris ensures optimal charging efficiency.

3 Batteries & Batteries Management System switch

Lithionics Battery® 51V

Your van is equipped with a Lithionics 51V lithium iron phosphate ($LiFePO_4$) battery, designed to deliver reliable, high-performance power for extended off-grid use.

This system provides a substantial energy reserve, allowing you to run lighting, appliances, electronics, and higher-demand equipment such as air conditioning or induction cooking with confidence.

Lithionics batteries use lithium iron phosphate ($LiFePO_4$) chemistry, known for its stability and safety. Each battery integrates advanced protection features, including internal safeguards that help prevent overheating and mitigate risks associated with thermal events.

You can monitor your battery system in real time directly from any of the Garmin touchscreen displays, either from the home screen or through the Electrical menu (battery icon in the left-side menu).

To shut down the batteries

Inside the electrical cabinet (first passenger-side door in the garage), you will find a small round button located in the upper left corner. Press and hold the small black button (3) for approximately 3 seconds until the blue indicator light begins to flash. This procedure shuts down the Battery Management System (BMS). Please refer to the Storage section for additional information regarding the conditions and situations in which this switch should be used.

DC Thermal Circuit Breaker

Series 187 Surface Mount Thermal Circuit Breaker

Thermal Circuit Breaker protects the van's electrical system from overloads and short circuits. It automatically interrupts the flow of electricity when excessive current or overheating is detected, preventing damage to equipment and wiring. Once the issue is resolved, the breaker can be manually reset to restore power.

You can access it by opening the electrical box located in your garage (passenger side). Inside, on the right, you will find a black and yellow switch (DC on the picture) labeled "100A - DC Panel Main". When the switch is in a horizontal position, the system is off. Rotate it 90° downward to turn it on. Please refer to the Storage section for additional information regarding the conditions and situations in which this switch should be used.

The 50A breaker located above the 100A breaker supplies power to the Garmin displays.

Electrical System

Distribution Center (Fuse Panel)

The WFCO® Distribution Center efficiently distributes power from the batteries to various electrical circuits, ensuring that all appliances and devices receive the necessary power.

Each circuit in the distribution center has its own circuit breaker or fuse, providing protection against overcurrents and short circuits. This safeguard helps prevent electrical damage and potential fires.

The distribution center provides a grounding point for the van's electrical system, ensuring proper grounding and safety. It also facilitates bonding, which connects various metal components to the grounding system to prevent electrical shocks.

The distribution center is constructed with durable materials to withstand the rigors of RV travel, including vibrations, bumps, and extreme temperatures. It is located under the fridge (passenger side).

Sometimes you will get power surges and you will lose power in certain appliances. This is nothing to worry about, we have fuses and breakers to protect your products.

12V System – Blade Fuses

12V appliances (lights, pump, fans, etc.) are protected by blade fuses. The electrical panel includes an LED indicator to help identify a blown fuse. A fuse may sometimes fail without triggering the LED but has broken enough to not power your appliance. You can identify a blown fuse by checking the metal strip inside the translucent plastic. If the strip is broken or melted, the fuse needs to be replaced.

120V System – Breakers

120V appliances (microwave, cooktop, outlets, etc.) are plugged into a 120V electrical socket. These sockets are protected by breakers. In case of overload or surge, the breaker will trip automatically.

What to do:

- Open the panel.
- Reset the breaker by flipping it back on. (switch OFF → ON). Sometimes, the breaker switch will need to be pressed down, then back up to be reset.
- If needed, wait a moment before resetting.

Note: Breakers are safety devices. They protect wiring and equipment. They are not intended to be used as ON/OFF switches.

GFCI

Every electrical outlet in the van is protected by a Ground Fault Circuit Interrupter (GFCI).

A GFCI is a safety device designed to protect people from electrical shock. It monitors the flow of electricity in a circuit and quickly shuts off power if it detects an imbalance, such as when electricity is leaking from the circuit to the ground, which could happen if a person comes into contact with a live wire.

How It Works: The GFCI constantly compares the amount of current going into the circuit with the current coming out. If the current differs by even a small amount (usually 4 to 6 milliamps), the GFCI trips and cuts off the power in a fraction of a second, reducing the risk of shock or electrocution.

All outlets are connected on a GFCI line located in the Distribution Center (under the desk).

Garmin Control Panel

Touch Screen

You'll find the Garmin 10" display located above the living area (and, if the option was purchased, a second one in the bedroom, against the kitchen wall on the passenger side), that provides a comprehensive overview and control of your van.

These displays provide centralized control of all major electrical systems in your van, including lighting, ventilation, heating, hot water, air conditioning, and energy levels.

You can set up alarms to notify you of potential issues, such as low battery voltage or high inverter temperature. This allows you to take proactive measures to prevent problems.

The Garmin display breaker is the black and yellow 50A breaker located in your electrical box, above the 100A Dc Main breaker.

Opening an App

The home screen contains shortcuts to frequently used apps. The app drawer contains all apps installed on your device, including the Noovo App and Victron App (see following sections).

You can also use the navigation controls located at the bottom of the screen to move between applications:

- the triangle returns to the previous screen ("Back")
- the circle returns to the home screen ("Home")
- the square opens the recently used apps menu

Adjusting the Screen Brightness

You can adjust the brightness using either the notification panel or the settings menu.

1. Select an option:
   - Swipe down twice from the top of the screen to expand the quick settings in the notification panel.
   - Select > Display > Brightness level.
2. Use the slider bar to adjust the brightness.

Adjusting the Screen Timeout

You can adjust the sleep timer of your Garmin display by following the steps below:

- If you are currently in the Noovo App, press the circle button located at the bottom center of the screen (this will return you to the Garmin home screen).
- Open the "Settings" icon.
- Select "Display," then "Screen Timeout," and adjust the setting to your preference.

Cleaning the Screen

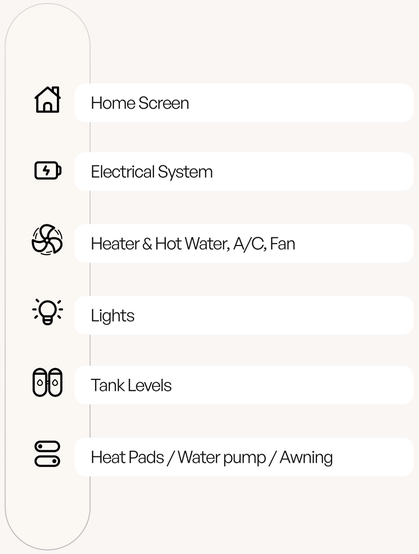
You can adjust the brightness using either the notification panel or the settings menu.

CAUTION: Cleaners containing ammonia will harm the anti-reflective coating.

1. Apply an eyeglass lens cleaner specified as safe for anti-reflective coatings to the cloth.
2. Gently wipe the screen with a soft, clean, lint-free cloth.

Your Noovo App

You'll find detailed navigation instructions in each dedicated section (A/C, Fan, Water, etc.), but here is a quick overview of the basic screen navigation and controls:



Electrical System

VictronConnect App

The VictronConnect app is a powerful tool for monitoring, configuring, and updating Victron Energy products on your phone. It is available for Android, and iOS. You can set up alarms to notify you of potential issues, such as low battery voltage or high inverter temperature. This allows you to take proactive measures to prevent problems. To connect to your Victron Energy devices using the VictronConnect app, you can use either Bluetooth, USB, or WiFi/LAN/Internet.

All essential Victron controls and monitoring features are already integrated into the Noovo App, so you should normally not need to use the Victron application on your Garmin display.

However, if your battery charge becomes critically low, a Victron alarm may sound from the electrical box. To silence this alarm, you can either use the Victron App available on your Garmin display or the VictronConnect app installed on your phone (see following section for mobile app installation instructions).

To disable the alarm from your Garmin display

1. Open the Victron App.
2. Tap the three-dot icon located in the lower right corner of the screen.
3. Select "Remote Console."
4. Wait a few seconds for the system data to load.
5. Once the battery system overview appears, tap the notification icon located in the lower right corner of the screen.
6. You will then be able to acknowledge and silence the active alarm.

Bluetooth Connection

- Enable Bluetooth on your mobile device and ensure the Victron Energy device is powered on and in Bluetooth range.
- Open the VictronConnect app and tap the «Scan» button.
- Select the desired Victron Energy device from the list of detected devices.

USB Connection

- Connect the Victron Energy device to your computer using a compatible USB cable.
- Ensure the VictronConnect app is installed on your computer.
- Open the VictronConnect app and the device should be automatically detected.

WiFi/LAN/Internet Connection

- Connect the Victron Energy device to a WiFi network with internet access.
- Ensure the VictronConnect app is installed on your mobile device or computer.
- Open the VictronConnect app and tap or click the «Connect Device» option.
- Select the desired Victron Energy device from the list of detected devices.

The default PIN code for first-time connection is 000000. Once the initial connection is established using the default PIN code, it is recommended to change the PIN code to a more secure and personalized one. This helps prevent unauthorized access to your Victron Energy device.

To change the PIN code:

- Connect to the Victron Energy device using Bluetooth.
- Open the VictronConnect app and navigate to the device's settings menu.
- Locate the PIN code setting and enter the current PIN code (000000 by default).
- Enter your desired new PIN code and confirm it.
- Save the changes.

Battery Monitor Pages

By clicking «Battery Monitor» you can view the current charge level and navigate between screens that offer comprehensive information on the battery's present status and historical data.

- To access 'Settings' click on the cog icon at the top right of the screen.

From 'Settings' you can change the data concerning your battery storage; set alarms and relays; change charging parameters; tailor the appearance and quantity of data displayed and set up or join an existing VE.Smart network.

Solar Charge Controller Pages

Clicking on your Solar Charge Controller product allows you to view the current charging status.

- To access 'Settings' click on the cog icon at the top right of the screen.

'Settings' will allow access to the extensive range of functions available on your solar charge controller, including programming the charge settings; initiating relays which are triggered by solar time, or by voltage parameters; together with comprehensive historical analysis.

Renaming Your Products

It is possible to change the name of your Victron product to make identification easier. This is especially useful as you have multiple products.

To change the name: First, complete your connection; then go to the Product info page. To access that page, click the button on the upper right. For some products, it will be the settings icon. After opening that menu press the three vertical dots, and click Product info. For other products you'll find the information button on the upper right, which takes you straight to the Product info page. Go to the Custom Name option, and select Edit and Done.

Additional Tips

Here are some tips for minimizing issues with the VictronConnect app:

Ensure Compatibility: Before using the app, check that your Victron Energy products and firmware versions are compatible with the latest app version.

Update Regularly: Keep the VictronConnect app updated to the latest version to benefit from bug fixes, stability improvements, and new features.

Clear Cache: Regularly clearing the app's cache can help resolve connectivity issues and improve performance.

Restart Devices: If you encounter connection problems, try restarting your mobile device or Victron Energy products.

Support: If you encounter persistent issues, don't hesitate to contact Victron Energy's customer support for assistance.

Electrical System

Inverter Modes

The inverter lets you use regular household appliances from your batteries. Your batteries store 12V DC power. Most appliances in the van, such as wall outlets, the microwave, or the air conditioner, require 120V AC power (like in a home). The inverter converts the battery's 12V DC power into 120V AC power, allowing you to use standard household devices in the van.

To activate your inverter, you have two options available from your Garmin display(s):

- From the home screen, you can directly turn the inverter ON or OFF.
- In the Electrical System menu (battery icon), under "MultiPlus," you can select:
- "ON/OFF" to enable or disable the inverter, or
- "Charger Only" to allow battery charging without supplying AC power to the van.

Turn the inverter off when not in use to avoid draining the batteries.

Situation	Inverter Setting	What Happens
⚡ Using 120V outlets (laptop, kettle)	ON	Converts battery power (12V) into 120V AC
❄️ Using air conditioner (Truma)	ON	Converts battery power (12V) into 120V AC
🍳 Using microwave or cooktop	ON	Converts battery power (12V) into 120V AC
🔌 Using exterior outlet (passenger side, if equipped)	ON	Converts battery power (12V) into 120V AC
🔋 Charging, connected to shore power	ON or Charging Only	Charges batteries and supplies AC power directly (if ON)
⚙️ Adjusting power input/system limits	ON	Required to be ON to change or manage AC input settings
💡 Using lights, water pump, fridge, fan (12V), awning, charging devices via USB and USB-c	OFF	No inverter needed
🔥 Using Rixens furnace (heating & hot water) Heater	OFF	No inverter needed
🛋️ To raise or lower the lounge table.	ON	Converts battery power (12V) into 120V AC

Other components

Component	Role
SmartSolar MPPT 150/35	Regulates and optimizes solar charging to efficiently recharge the battery.
Multiplus 48/5000/120-50 (120V)	Converts battery power (12V DC) into 120V AC for appliances and charges the battery when connected to shore power.
Lynx Distributor (M10)	Distributes power safely from the battery to all onboard electrical systems.
Cerbo GX Mk2	Monitors and manages the electrical system, providing system information and control interface.

Electrical System

Shore Power

You'll find an RV Extension 30 Amp cord and an adapter (15A to 30A) in the garage of your van.

The hatch to connect you to shore power is located on the driver's side (Smart Plug black square)

Residential situation (household outlet)

1. Connect the 10 AWG extension cord to the household power outlet
2. Attach the 15A to 30A adapter to the extension cord
3. Connect your RV power cord to the adapter
4. Plug the RV cord into the van's shore power inlet

When using a 15A home outlet, avoid operating high-power appliances like the microwave, kettle, hair dryer, or space heater to prevent overloading the circuit.

30A campground situation

Connect your RV extension cord directly to the power pedestal. For added protection, it is recommended to use a surge protector (not provided by Noovo) between the power source and the van.

Adjust the charging limit

On your Garmin display, go to the Electricity menu (battery icon in the main menu). Then, in the lower right corner of the screen, tap "Settings" next to "AC Limit" and select the desired amperage.

You can also perform this operation through the VictronConnect app on your phone by selecting "Shore Current Limit," choosing the desired amperage, and pressing "Set."

NOTE: Your inverter must be ON in order to modify the AC Limit setting.
Please refer to the table to the right to select the appropriate value.

CAUTION

- Always plug into the power source first, then to the van
- Never bypass the surge protector
- If the surge protector detects a fault, it may delay or block power

NOTE

- Do not exceed 30A (typical van limit) to protect your system and wiring
- Never set above the power source rating
- Lower the limit if power cuts off (this will help stabilize the system)

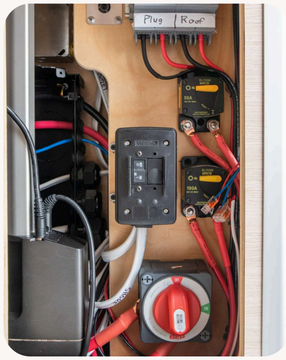
Power source	Set Limit (Amps)	Notes
Household outlet (standard plug)	10–15A	Use 15A–30A adapter and extension cord + surge protector (recommended)
Campsite 15A/20A service	15–20A	Use 15A–30A adapter and extension cord + surge protector (recommended)
Campsite 30A service	30A	Direct connection + surge protector (recommended)
Campsite large RV 50A service	30A (max)	Use adapter if needed + surge protector (recommended)

Troubleshooting

If your van is plugged into a campsite's 30A power supply but is no longer charging, first verify that the campsite breaker is functioning properly and that the shore power cord LED is on.

Inside the van's power box, there is a breaker (black, on the top right corner of the elec box, see picture) connected directly to the shore power inlet. This breaker protects the system from power surges and unstable external power.

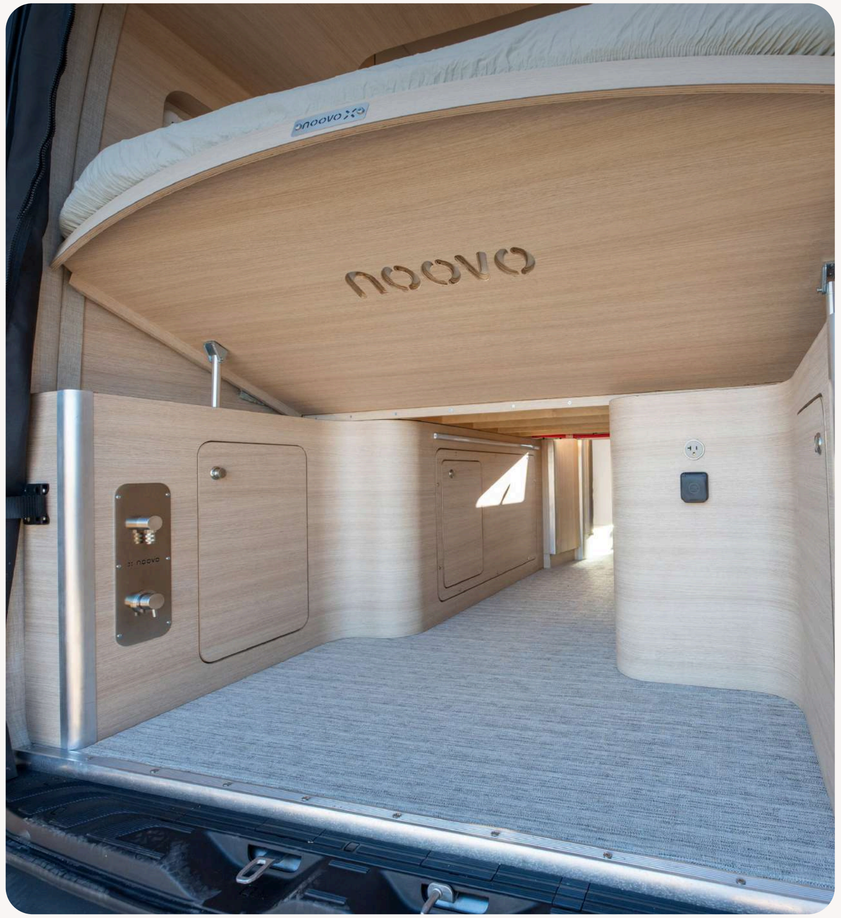
If charging has stopped, check this breaker and switch it back to ON if needed.



Plumbing & Heating

Your water system

Situated in the driver's side of the van's trunk is your «water box», a comprehensive system that includes a water pump, a pre-pressurized accumulator, a 35-gallon fresh water tank, and the connection for your outdoor shower.



Shurflo® 3 GPM Water Pump

The round switch for the water pump is located on your kitchen's backsplash, next to the outlet. Turn off when not in use to preserve battery.

You can also turn the water pump ON or OFF from any of your Garmin displays, either directly from the home screen or through the "Switches" menu (the last icon on the left-side menu).

The Shurflo® 3 GPM Water Pump is a high-performance, demand-operated water pump known for its reliability, durability, and ease of use.

The water pump delivers a maximum flow rate of 3 gallons per minute, making it suitable for a wide range of water needs, including showers, toilets, and multiple faucets.

The pump operates automatically when water flow is detected and shuts off when demand ceases, conserving energy and preventing unnecessary wear and tear.

The pump features built-in thermal protection to prevent overheating and damage in high-temperature environments.

The Shurflo® 3 GPM Water Pump is designed for quiet operation, minimizing noise and vibration during use.

Shurflo® 3 Pre-Pressurized Accumulator

The Shurflo® Pre-Pressurized Accumulator is a small tank that is installed in a water system to help reduce water pump cycling, pulsation, and pressure spikes. It is a simple and effective way to improve the performance and lifespan of your water pump.

The accumulator stores a reserve of pressurized water, reducing the frequency of pump starts and stops. This extends the life of the pump and reduces wear and tear. It absorbs sudden changes in water pressure, smoothing out the flow, and eliminating annoying pulsation in faucets and appliances. The accumulator helps maintain consistent water pressure, even during periods of high demand. This ensures optimal performance for appliances and fixtures.

Outdoor Shower

Whether to rinse off dirt and grime after a day of hiking or biking, cool down after a hot day, or give your dog a quick bath, an outdoor shower is a versatile addition to your van.

To make use of your outdoor shower, follow these guidelines:

- Check if the water pump is activated and the water heater is properly turned on via the control screen above the sliding door (see the furnace system section for further information).
- Connect the hose of the outdoor shower head located in the blue pouch.
- Set the desired water temperature using the integrated mixing valve (the lower one). Adjust the valve until you achieve a comfortable water temperature.
- Adjust the spray nozzle to your preferred spray pattern, whether it's a gentle mist or a powerful rinse. The adjustable spray head allows for personalized showering preferences.
- Turn on the shower valve to start the water flow. Enjoy your outdoor shower experience! When finished showering, turn off the shower valve.

NOTE: Use environmentally friendly soaps and shampoos to minimize impact on the environment.

NOTE: Conserve water by keeping shower sessions short and using the adjustable spray pattern to control water flow.

NOTE: After each use, ensure the shower is drained properly to prevent water from freezing or causing damage during storage.

NOTE: Periodically clean the shower head and nozzle to remove any mineral buildup or debris that could affect water flow or spray pattern.

Fresh Water Tank

Your van is equipped with a 35-gallon fresh water tank. You can find it in the trunk of your van, on the driver side.

You can check your water tank levels from any of your Garmin displays, either on the home screen or in the "Tank Levels" menu (the 5th icon in the left-side menu).

Filling Your Fresh Water Tank

The lockable water inlet is located outside of your van, on the driver's side (above the rear wheel).

Use the hose provided in the garage to fill the tank. You can watch your progress by looking the water tank in the garage. If water vents back at you, you have overfilled the tank.

NOTE: Reserve this hose only for filling the tank with fresh water.

CAUTION : Be careful to NOT fill the fresh water tank with gas. The fuel hatch and the water hatch can sometimes be confused.

NOTE: ONLY use safe potable water when filling the tank.

Maintaining a clean and healthy fresh water tank in your van is crucial for ensuring safe drinking water and preventing unpleasant odors or contamination. Here are some pro tips to keep your fresh water tank in top condition:

- Sanitize your fresh water tank at least every six months, or more often if you use your van frequently or in areas with questionable water quality. Use a food-grade sanitizer specifically designed for fresh water tanks, following the manufacturer's instructions carefully.
- Empty the fresh water tank completely after each trip if you don't use your van as a full-time residence. Avoid storing water in the tank for long periods, especially during hot weather, as stagnant water can become more prone to bacterial contamination, sediment buildup, and algae growth.
- Flush the fresh water tank periodically, especially after sanitizing or if you notice any changes in the taste or odor of the water. This flushes out any residual sanitizer or contaminants.
- Regularly clean the access panel and fittings around the fresh water tank to remove dirt and debris that could attract pests or introduce contaminants.
- Regularly inspect the fresh water tank and its connections for leaks or damage. Address any leaks promptly to prevent water damage to your van.

Grey Water Tank

There are two grey water tanks located underneath the van: one 16-gallon tank on the passenger side and one 22-gallon tank on the driver side. Both tanks are equipped with heating pads that can be activated through your Noovo control screen.

You can check your grey water tank levels from any of your Garmin displays, either on the home screen or in the "Tank Levels" menu (the 5th icon in the left-side menu).

To empty the grey water tank, remove the black cap located on the driver side, low along the chassis, within the front third of the van, fit the grey water hose into the dedicated jaws, and connect it to the dump station. Once both sides are connected you can open the grey water valve by pulling the handle away from the piping.

CAUTION: Use separate hoses to fill your clean water tank and empty the grey water tank.

NOTE: Check if dumping of grey water is allowed in the area you are camping. If not, please pack it out with you.

Maintaining a clean and functional grey water tank in your van is essential for preventing unpleasant odors, ensuring proper drainage, and minimizing the risk of environmental contamination. Here are some pro tips to keep your greywater tank in top condition:

- Empty the grey water tank regularly, ideally after each use of your van. This prevents the buildup of waste and reduces the risk of clogs or overflows.
- Flush the grey water tank periodically to remove accumulated waste and debris. This can be done by connecting a hose to the tank's outlet and running clean water through the system.
- Use enzyme-based cleaners specifically designed for grey water tanks to break down organic matter and prevent odor-causing bacteria growth. Follow the manufacturer's instructions for proper usage and dosage.
- Avoid pouring grease or oil down the grey water drain, as these substances can solidify and clog the tank and pipes. Properly dispose of grease and oil separately.
- Regularly monitor the drainage of your grey water system to ensure it is flowing properly. Slow drainage could indicate a clog or blockage that needs to be addressed.

Grey Water Tank

If you're using your van in cold weather, please refer to the "Winterizing" section in the Storage chapter.

Avoid using harsh chemicals or bleach in the grey water tank, as these can damage the tank and plumbing system. Opt for enzyme-based cleaners instead.

Regularly check the connections around the grey water tank and plumbing system for leaks or damage. Tighten any loose fittings and repair any leaks promptly.

Draining / Winterizing

If you're using your van in cold weather, take steps to prevent the fresh water tank from freezing. Activate tank heating pads from one of your Garmin touchscreen displays, either directly from the home screen or through the "Additional Switches" section (the last icon in the left-side menu).

For any operation related to tank draining, tank heater activation, or cold-weather preparation, please refer to the "Winterizing" section in the Storage chapter.

Heater, Heated Floor & On-Demand Water Heater

Heater & Heated Floor

Rixen MSC7 Hydronic

The Rixen Hydronic MCS7 with Furnace is a high-efficiency heating system that provides up to 17,000 BTUs of cabin heat while also delivering continuous on-demand hot water (refer to home screen).

Hydronic Heating Controls

All daily-use functions and controls can be managed directly from your Garmin display(s).

- Select the "Ventilation" icon in the main menu (3rd icon from the top), then open the "Hydronic" tab.
- Select your heat source: choose Furnace for standard heating operation, or Electric when connected to shore power. Please refer to the following sections for more information about the available heat sources.
- Choose one or both heat distribution methods:
  - Floor for heated floor
  - Fan for air heating through the vents distributed throughout the van
- Adjust the fan speed using the arrow controls.
- Finally, set your desired target temperature using the temperature control located in the lower right corner of the screen. The selected target temperature must be higher than the current interior temperature of the van for the heating system to operate.

The temperature displayed in the center of the circle represents the current interior temperature of the van.

The system can operate using different heat sources, depending on your setup and power availability:

- Furnace (Primary Heat Source)

The furnace is the main and most reliable heat source. It runs on diesel or gas and does not require shore power or the inverter to be on. When selected, the furnace heats the system coolant, providing both hot water and interior heating. It automatically adjusts its power output to maintain the desired temperature. This is the recommended mode for everyday use.

Usage

The furnace draws fuel from the vehicle's main tank and will stop operating when the fuel level is low (typically around 1/4 tank) to prevent depleting the vehicle's fuel supply.

- Electric Mode (Shore Power Only)

The electric mode uses a 120V heating element to provide heat.
It is best used when the van is plugged into shore power, otherwise it will quickly drain the batteries. It provides moderate heating and is most effective in milder conditions (above ~35ºF / 2ºC).

NOTE: The Rixen Hydronic MCS7 heating system may experience reduced performance at high elevations due to lower oxygen levels. Operation above approximately 5,000 ft (1,500 m) may affect heating efficiency or trigger fault conditions.

Hot Water

To activate hot water:

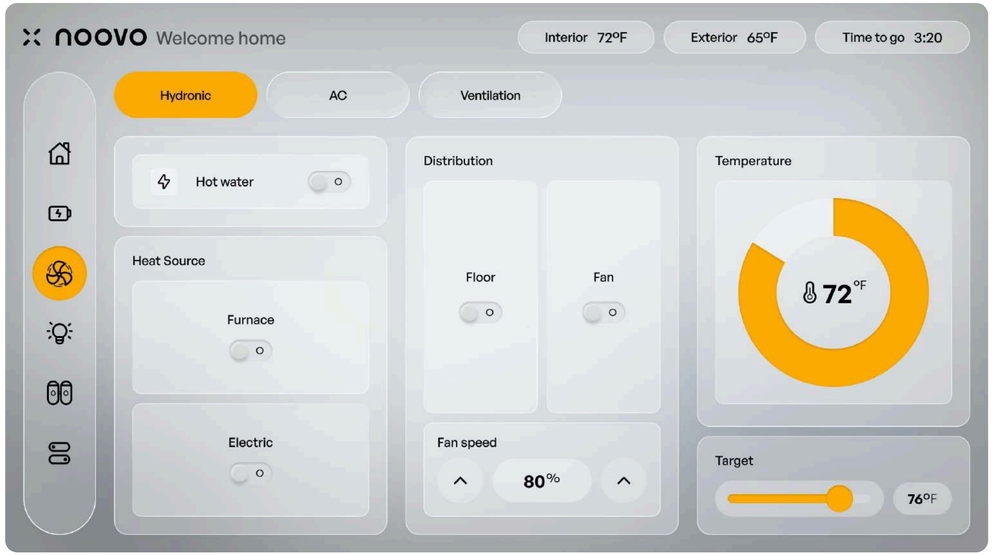
- Select the “Ventilation” icon in the main menu (3rd icon from the top), then open the “Hydronic” tab.
- Select your heat source: choose Furnace for standard heating operation, or Electric when connected to shore power. Please refer to the previous sections for more information about the available heat sources.
- Then activate the Hot Water icon (top left). The system will run continuously to keep the coolant hot and provide on-demand hot water for the sink and shower. Allow 5–10 minutes for the system to heat up before hot water is available.
- You can track water temperature on your home screen. The system is operational but may not perform at its full capacity when the water temperature is between 120ºF and 155ºF. Once the water temperature exceeds 155ºF, the system is fully operational and ready for use.

You can also activate hot water directly from the home screen as a shortcut. This will automatically select the furnace as the heat source and begin the water heating process.

For showers, we suggest spraying yourself down, pausing the water as you soap your body, then using the water to rinse off. The pause will allow for water to re-heat.

When connected to shore power, you can also activate the Electric mode alongside the furnace to boost heating performance.

NOTE: if no heat source is selected the hot water won’t turn ON.



CAUTION

- **The heater must be switched off when refueling.**
- The installation compartment of the heater is not a storage compartment and must be kept clear. In particular fuel canisters, oil cans, spray cans, gas cartridges, fire extinguishers, cleaning rags, items of clothing, paper etc. must not be stored or transported on or next to the heater.
- Defect fuses must only be replaced by fuses with the prescribed rating.
- If fuel leaks from the heater fuel system, arrange for the damage to be repaired immediately by a an authorized service partner.
- When topping up the coolant, coolant type will be specific to Rixen’s recommendation (50/50 only, no additional water needed). The coolant tank should be always filled up at 1” below the top of the reservoir.
- After-running of the heater must not be interrupted prematurely e.g. by pressing the battery disconnecting switch, apart from in the case of an emergency stop.

Troubleshooting - Rixen’s

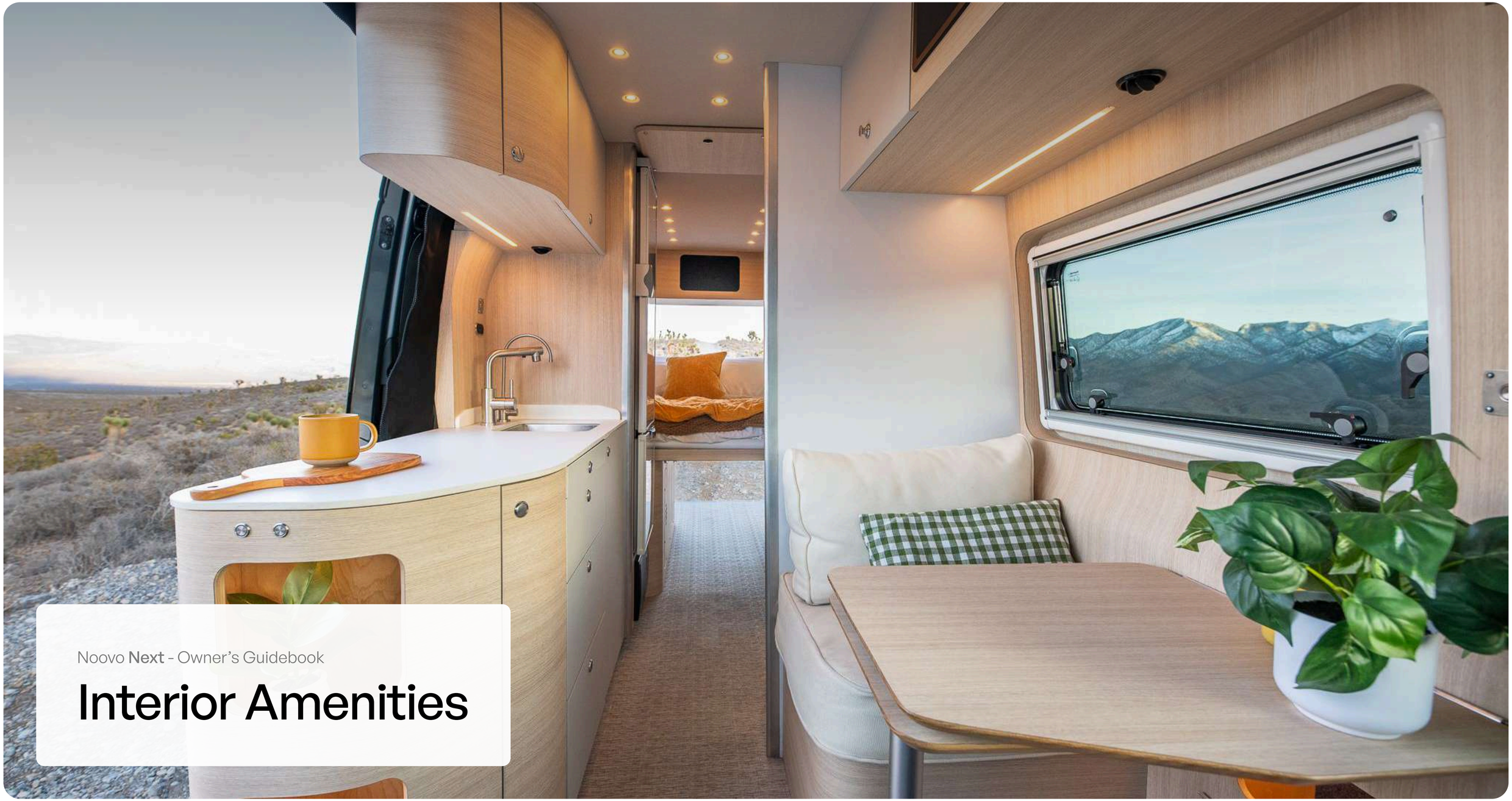
If you experience difficulties operating the Rixen’s system, you can connect to the unit via Wi-Fi to access system information and fault codes. Follow the steps below:

- On your phone, tablet, or computer, search for the Wi-Fi network (SSID) beginning with “RIXEN” followed by the serial number of the control board.
- Connect to the network.
- Open a web browser and go to: http://10.10.10.10
- You will then be able to access the Rixen’s interface and view any active fault codes. The fault code table and detailed error explanations are available on the Rixen’s website under: Learning Center → MCS7 Hydronic System Documents → Eberspaecher Documents → “Hydronic S3 Fault Codes.”

Please note that the interior temperature displayed on your device may default to 50ºF.

Heater-related emergencies,
call Rixen’s Heaters.

503.668.6090



Noovo **Next** - Owner's Guidebook

Interior Amenities

Interior Amenities: Living Room



Window (Driver Side)

450 x 900mm (17.7 x 35.4 inches)
(built-in bug net & covers included)

To open the window, release the four handles and gently push it outward to the desired opening level. To close it, gently pull the window back toward you and secure it by locking the handles.

The bug net and cover can be used interchangeably. To deploy the cover, pull it upward from the bottom. To use the bug net, pull it downward from the top. Both can be connected, allowing you to switch between them smoothly. Keeping the cover tucked in while attached to the bug net also helps prevent damage.

Lights and Outlets

Outlet 110V & Outlet 12V
Located under the table

12V LED Light Under Cabinet
Switch is located under the window.

12V LED Light Ceiling
The switch is located at the end of the kitchen worktop, opposite the passenger seat and is the rightmost switch of the two.

The bug net and cover can be used interchangeably. To deploy the cover, pull it upward from the bottom. To use the bug net, pull it downward from the top. Both can be connected, allowing you to switch between them smoothly. Keeping the cover tucked in while attached to the bug net also helps prevent damage.

Storage

You will find two upper cabinets above the window allowing you to store your belongings. The shelves located under the table on the driver side will allow you to store a few books or other objects.
You will also find a black tube stored in this compartment, which is used for the bed conversion.

Seats

Comfortable seating area with backrest and cushions to make a day bed when folding down the table (section above). Cushion seats have zippers and are washable.

Both driver and passenger seats are swivel seats. To rotate the seat, locate the small lever underneath the seat near the center. Push the lever sideways to unlock the swivel mechanism and rotate the seat. You may need to move the seat forward or backward and raise the backrest to provide enough clearance for the seat to rotate fully. The parking brake should remain loose enough to be lowered (without disengaging it) to allow the seat to rotate properly.Seat adjustment controls are located on the doors.



Bed Conversion

Transform the living area into a comfortable twin bed by following these simple steps:

1. Stand facing the table and the living room window.
2. Lift the table towards the window to release it from the rail. The section closest to you should rise first.
3. Unscrew and remove the lower part of the table leg.
4. Insert the table leg extension (black tube stored in the wall compartment under the table - refer to the image at the bottom right) into the table leg attached to the tabletop.
5. Reinstall the table onto the lower rail by lifting it slightly and lowering it into position until it locks in place.
6. Before using the table as a bed or sofa, ensure it is securely positioned.
7. Place the extra cushions stored above the driving area to create a comfortable daybed.

To restore the table to its original position, follow these steps:

1. Remove the extra cushions.
2. Lift the table and remove it from the rail.
3. Remove the table leg extension (black tube).
4. Reattach the lower part of the table leg by screwing it back into place.
5. Lift the table and position it onto the upper rail, then lower it until it locks securely into place.
6. Before driving, ensure the table is stable and properly secured.

Table Extension

Expand your workspace or dining area by extending the table. Simply pull the black knob under the table, adjust the table to the desired angle, and release the knob.

Your table is made of laminate. Clean it regularly with mild soap and water and avoid using harsh chemicals or abrasive cleaners, as these can damage the surface. To remove stubborn stains, you can use a common non-abrasive household cleaner.





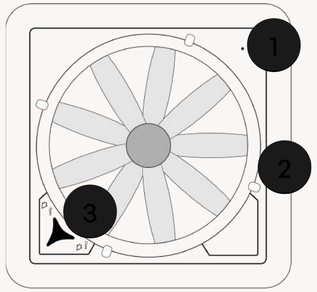
Bed conversion table leg extension

Interior Amenities



Fan

MaxxAir® Fan Deluxe 7500K With Remote



1. THERMOSTAT TEMPERATURE SENSOR
2. INSECT SCREEN RETAINER KNOB: Rotate all 4 knobs 1/2 turn to remove screen. Caution: never operate fan with screen removed
3. KNOB, VENT LID OPEN CLOSE. Allows closing of the vent lid in the event of RV power loss. This knob does not lock. Do not push in or pull out. Rotate knob clockwise to close vent lid; rotate knob counter-clockwise to open vent lid.

Ceiling Fan Mode

With the fan motor running, close the Vent Lid to enter Ceiling Fan Mode. The fan motor will continue to run and circulate air within the van cabin.

Serial Number Label

The serial number label is located underneath the round insect screen.

NOTE: The MAXXFAN is designed to be fully opened or fully closed when the vehicle is moving.

CAUTION: When removing screen for cleaning, turn the MAXXFAN OFF and remove the vehicle 12 volt power to the MAXXFAN. When cleaning your MAXXFAN, use only a mild detergent solution.

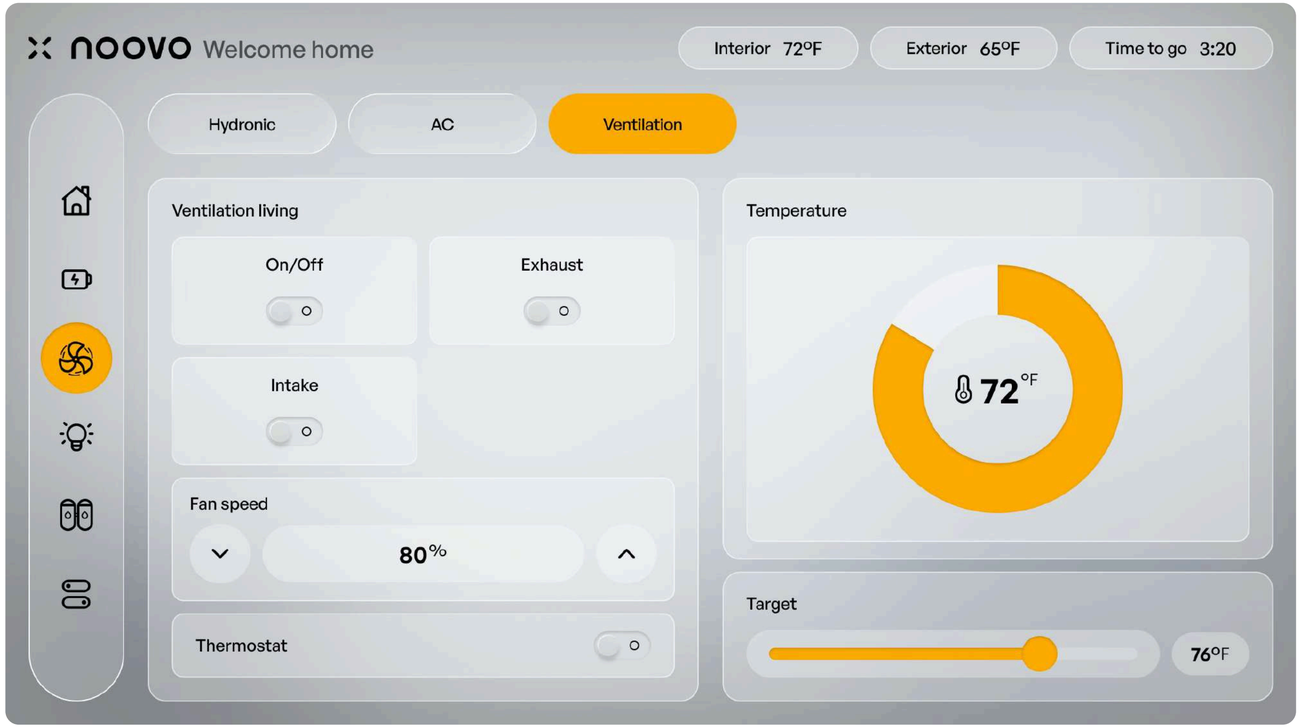
Fan

MaxxAir® Fan Deluxe 7500K With Remote

Your fan can be controlled from your Garmin display through the Noovo App

1. On the menu bar select the "fan" icon, and then go to "Ventilation."
2. Turn ON.
3. Exhaust or Intake: Press these buttons to reverse the fan.
4. Fan speed: Press the arrow buttons to increase or decrease the fan speed. The fan has ten speeds.
5. In order to use the thermostat and select a targeted temperature, turn "Thermostat" ON and then slide the "Target" bar to increase or decrease the set temperature.

Note: The thermostat temperature range is from 28°F to 99°F.



Air Conditioning

Truma Aventa Eco + Softstart 110 AC



Air Conditioning

NOTE: as your AC operates on 120V you’ll have to turn your inverter ON to use it.

To optimize airflow and cooling throughout the van, the air conditioning is distributed through the black vents located around the interior. Make sure these vents remain open to fully benefit from the AC, and adjust their direction to suit your comfort. You can run it for up to 12 hours.

To optimize the cooling:

- Park your vehicle in the shade when possible.
- Before using the AC, you should always cool down the vehicle by fully airing out the interior.
- Keep doors and windows closed.
- Avoid any heat sources in the vehicle.
- Reduce the power consumed by other products to ensure the maximum possible operating time of the AC.

To operate the system, use the remote control. The remote control switches off automatically after about one minute to save the battery. Turn the unit on and select your desired mode (cooling, fan, or automatic), then adjust the temperature and fan speed to your comfort level. The system will cool the interior quickly and maintain the set temperature automatically. In automatic mode, the system adjusts fan speed and cooling power to maintain a stable temperature efficiently.

The Soft Start feature ensures a smooth start-up by reducing peak power demand, allowing more stable operation with limited power sources.

Operating Tips:

- The air conditioner distributes cooled and dehumidified air throughout the van for a more comfortable indoor climate.
- Use automatic mode for balanced temperature regulation.
- Use lower fan speeds for quieter operation at night.
- Expect some condensation under the vehicle during use .

Air Conditioning

Truma Aventa Eco + Softstart 110 AC

A/C Controls Through the Garmin Displays

Access your ducted A/C controls through the "Ventilation" icon in the left-side menu (3rd icon from the top), then select the "A/C" tab.

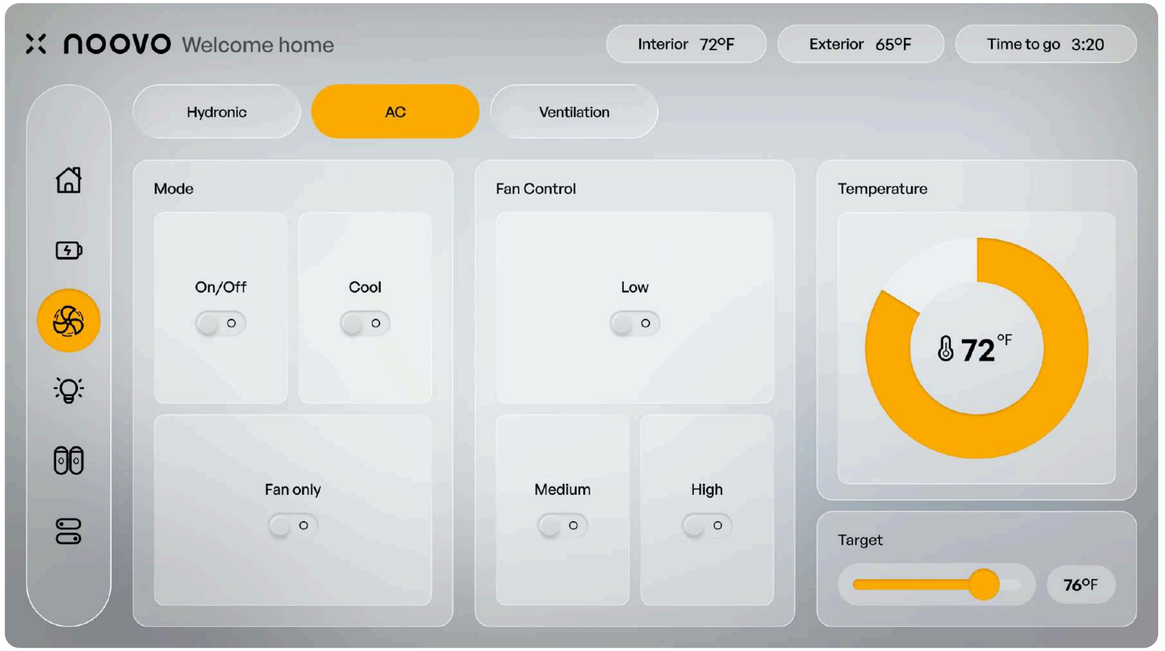
Cooling Mode

The room air is dehumidified and cooled in the cooling mode. The compressor switches off when the room temperature set on the screen is reached. The circulated air fan continues running for ventilation. If the set room temperature is exceeded, the air conditioner automatically switches to cooling mode again.

NOTE: The air is dehumidified during the cooling process. If the air humidity is very high when the cooling process in the vehicle begins, condensation can form on the bottom of the air distributor. Therefore keep doors and windows closed and select the highest operating level.

Troubleshooting

The system control unit has various functions for protecting the device and the battery. If one of these protective functions has been triggered, this is shown by the following codes on the display:



Issue	Possible cause	What to do
⚡ Air conditioner won't start / unstable power	Unstable power supply	• Ensure stable 120V AC power • Turn off other high-power appliances • Check battery level, wait a few minutes and restart
❄️ Not cooling properly	Defrost cycle active (starts if at risk of freezing) / temperature set too high / dirty filters or blocked airflow	• Lower temperature • Wait if defrosting • Clean or replace filters • Ensure vents are not blocked
💧 Water dripping/humidity	High humidity / blocked drainage / vehicle not level / Air conditioner seal is defective	• Close doors/windows • Increase fan speed • Check and clean drainage • Park on a level surface • Have the seal checked by a specialist service

Interior Amenities: Kitchen



Countertop & Storage

Your countertop is made Porcelain. It is a durable, non-porous solid surface that offers exceptional resistance to heat and wear and features a seamlessly integrated invisible cooktop beneath the surface. Your desk, drawers, and storage are made of laminate. Clean them regularly with mild soap and water and avoid using harsh chemicals or abrasive cleaners, as these can damage the surface. To remove stubborn stains, you can use a commercial laminate cleaner. Follow the directions on the product label.

If you spill something on the countertop, wipe it up promptly to maintain a clean surface and prevent residue buildup.

Always use a cutting board when preparing food to avoid scratches or surface damage.

Although porcelain is highly heat-resistant, we recommend using a trivet or heat pad when placing hot cookware on the surface to preserve its finish and ensure long-term durability.

How to open your drawers:

To open your drawers, press the round knob until it pops out. Then, pull the drawer towards you. To close and lock the drawer, press the knob back in. Don’t forget to check all your drawers before driving to prevent them from opening.

Lights & Outlets

At the end of the countertop you’ll find two rounded switches. The left one is the 12V LED kitchen lights and the right one command the 12V LED ceiling lights.

On the backsplash you have a white 120V outlet. The round switch controls the water pump. Refer to the water section for further information on it.

Window (sliding door)

450 x 900mm (17.7 x 35.4 inches)
(built-in bug net & covers included)

The windows are tinted, providing additional privacy and a clean, integrated appearance.

You can open the sliding door window by flipping up the four latches until it releases. Once unlocked, gently push the window outward. The window is designed to tilt open from the bottom, creating an awning effect. To close, pull the window back toward the RV. Ensure it aligns with the frame. Close the window using the same latches you used to unlock it. You can press the small red button on each latch to lock the windows. In this case, you will also need to press the small red button before opening the window the next time you need to.

Sink

Your sink is 15’’x 12’’ and made of stainless steel. To maintain it, follow these tips:

Clean it regularly. Stainless steel is non-porous and easy to clean, so you can use mild soap and water. For a deeper clean, use a mixture of equal parts vinegar and water. Apply the solution to the sink with a soft cloth and wipe it clean.

Rinse and dry the sink with a soft cloth after each use. This will help to prevent stains from forming.

Avoid using harsh chemicals or abrasive cleaners. These can damage the surface of the sink.

If you have a hard water supply, you may need to descale the sink periodically. To do this, mix one part vinegar with two parts water and pour it into the sink. Let it sit for 30 minutes, then rinse it clean. To remove stubborn stains, you can use a commercial stainless steel cleaner. Follow the directions on the product label.

Water Filter

ClearSource Mini Premier Water Filter

The ClearSource Mini Premier Water Filter provides advanced water filtration for your van, delivering clean, safe, and great-tasting water throughout your system.

WARNING:

- Do not store the device in freezing conditions.
- Do not allow water to freeze in the device.
- Do not use the device if damaged or dropped.
- Do not submerge the device under water.

Before First Use

Let the water run for a few minutes to flush out any residual carbon and ensure a fresh, clean flow.

During Your Travels

The system operates automatically—no action needed. If you notice a drop in water pressure or a change in taste, it's usually a sign that the filters are ready to be replaced.

Replacing the Filters

Keeping your water fresh is simple and quick:

1 Turn off the water pump

Switch off the water pump using the round switch located above the faucets. Then briefly open the filtered water faucet (right side) to release any remaining pressure.

2 Open the filter housings

Carefully unscrew the filter canisters. A small amount of water may spill —this is normal.

3 Replace the filters

Remove the used cartridges and insert the new ones, ensuring they are properly seated.

4 Close and secure

Screw the housings back on firmly by hand. Avoid overtightening.

5 Flush the system

Turn the water pump back on and let the water run for a few minutes to clear any air or carbon residue.

6 Final check

Make sure all connections are properly sealed and check for any leaks.

Care Tips

- Replace filters every 3–6 months depending on usage and water quality.
- In freezing conditions, fully drain the system to prevent damage. (Refer to the next section for more details.)
- If storing the van, keep the system clean and dry.

Removing the Filters (for Winterization)

Please refer to the "Winterizing" section (Storage) for more information on the winterization process.

Both filters should be removed before winter storage.

1. Turn off the water pump and open the right side faucet to release pressure.
2. Carefully unscrew each filter housing (the two canisters). A small amount of water may spill.
3. Take out both filter cartridges:
   - the first (sediment filter)
   - the second (carbon filter)
4. Let them drain: place them upright (outlet facing down) and allow them to fully drain.
5. Store properly: place the filters in sealed bags and store them in a refrigerator or a cool environment until reuse.

NOTE: Simply draining your water system may not be effective at removing enough water to prevent damage inside the device.

CAUTION: Failure to winterize can result in damage to the system which is not covered by warranty, so please take care to winterize well before freezing temperatures or inclement weather may occur.

Fridge

Vitrifrigo® SLIM 150 - 12V Fridge

The Vitrifrigo Slim 150 is a compressor refrigerator that operates on a 12V system and does not require the inverter to be turned on. Cooling performance is automatically regulated. The refrigerator is operated via a push-button control panel positioned above the appliance. All functions can be accessed without opening the fridge.

The control panel includes:

- A power (ON/Standby) button
- A Night mode button
- A Turbo mode button
- LED indicators showing the selected cooling level and active modes
- Temperature adjustment buttons (+/–)

CAUTION:

- Keep ventilation openings in the appliance's casing or in the recess free from obstruction.
- Do not use mechanical devices or other means other than those recommended by the manufacturer to accelerate the defrosting process.
- Do not damage the refrigerant circuit.
- Do not use electrical appliances or devices inside the food storage compartments if these appliances or devices are not of the type recommended by the manufacturer.

Powering and Temperature Adjustment

To switch the refrigerator on, press the ON/Standby button briefly. The LED indicators will illuminate, confirming that the unit is active.

Press the same button again to switch the refrigerator to standby mode.

The refrigerator does not display temperature in degrees. Instead, cooling is controlled through a series of levels.

Cleaning and maintenance of the condenser must be performed only by authorised after-sales staff.

The control panel includes:

- Press the "+" button to increase cooling (colder)
- Press the "–" button to decrease cooling (warmer)

Each press changes the level incrementally. The selected level is indicated by the number of LEDs displayed.

A medium setting is recommended for most conditions. Higher levels should be used in hot environments or when the fridge is fully loaded.

Night Mode

Night mode is designed to reduce noise and power consumption.

To activate, press and hold the Night mode button. When active, the compressor operates at a reduced speed.

In this mode, temperature adjustments are limited, and the refrigerator maintains a moderate cooling level.

Night mode automatically deactivates after several hours, or it can be turned off manually.

Turbo Mode

Turbo mode provides maximum cooling performance. To activate, press the Turbo mode button. The compressor will run continuously to rapidly lower the internal temperature.

This mode is particularly useful when loading the fridge with warm items or in high ambient temperatures.

Turbo mode should only be used temporarily. Once the desired temperature is reached, it is recommended to return to a standard cooling level.

Operating Considerations

The cooling efficiency of the refrigerator depends on several external factors:

- A power (ON/Standby) button
- Ambient temperature
- Airflow and ventilation around the unit
- Frequency of door opening

For optimal performance, ensure that ventilation openings remain unobstructed and that the vehicle is reasonably level during operation.

Recommended Settings

For everyday use, a medium cooling level provides the best balance between performance and energy consumption. In hot weather, higher cooling levels or Turbo mode may be required. During nighttime or when energy conservation is important, Night mode is recommended.

If you are not going to use the refrigerator for a long time, it is important to empty it, defrost it, and clean it completely. To prevent bad smells and mold in the fridge, keep the fridge door in ventilation mode during this period. Open the door and move the ventilation slider pin to the opposite side until it matches up with the retainer pin. For positioning the door in ventilation position, open it in a controlled manner until it matches the ventilation slider pin.

Defrosting the Fridge

An ice layer inside the fridge reduces the cooling capacity of the fridge. You must periodically defrost your fridge.

The SLIM series refrigerators are equipped with an automatic defrosting system, set by the manufacturer. Anyway, in case of high frost build up, a manual defrost is required. First turn off the refrigerator, after emptying it.

Open the fridge door to speed up the defrosting process. The fridge compartment is equipped with a condensate collection system, the freezer compartment is not equipped with any system of water draining, therefore, place dry towels inside the freezer cell, especially at the front to prevent thawing water falling into the fridge. When the fridge is defrosted, thoroughly dry the interior.

Keep the door open so that the defrosting time is quicker.

WARNING: Do not speed up the defrosting process by removing the ice sheet with force, with sharp objects or using a hair dryer.

Cleaning

It is important to regularly clean the refrigerator for optimum performance. Remove the shelves and drawer. Use a soft damp cloth for the outside of the fridge. Use a soft cloth and a neutral detergent for domestic use.

CAUTION:

- Do not clean the fridge with soap or with aggressive or corrosive chemicals.
- Do not wash any refrigerator component in the dishwasher.

Lower Drawer (Multi-Purpose Storage)

The lower drawer is specifically designed for storing bottles, cans, and vegetables.

- It features a movable bottle retainer, allowing you to divide the drawer into sections and secure items in place during travel.
- The divider can be adjusted to different positions depending on your storage needs.
- This compartment helps prevent items from shifting while driving and keeps contents organized and accessible.

Please note that its maximum load capacity is 20 kg (44 lbs).

Before First Use

Allow the refrigerator to run for at least 4 hours before placing food inside. This ensures the interior reaches the proper cooling temperature for safe storage.

Problem	Error	Possible	Consequences	Solution
Intermittent beep	Probe	Faulty probe and/or probe not connected	The refrigerator does not work	It is advisable to remove the food, turn off the refrigerator and call for assistance immediately.
Intermittent beep	Open door	The alarm is activated after the door has been left open for 1 minute	Refrigerator malfunction	Check door is completely closed.
Flashing alarm LED	Count number of flashes			Contact customer service immediately.

Problem	Cause	Solution
The refrigerator does not start	No electrical current	Check that the power supply cable is intact and properly connected.
		DC mode: Check that the battery is charged.
		Check that the voltage on the terminal block of the appliance's electronic device is the same as that of the battery.
	Try running a reset	Disconnect the power cable. Wait for a minute and then reconnect it.
	Thermostat in "STANDBY" position	Turn ON from the control panel.
The refrigerator does not cool	Insufficient output	Check that: 1. the door closes and seals completely 2. the refrigerator is not near heat sources and is sufficiently ventilated 3. the condenser is not clogged with dust
The refrigerator does not stop	The internal temperature is too high	Check that the door is completely closed.
The courtesylight does not switch on	The light is faulty	Call the service center.
The refrigerator is noisy	-	Check that the refrigerator sits flat and is not in direct contact with any object that might cause vibrations.

Cooktop

Invisacook 2 Burner 110V Induction Cooktop

How to Use it Properly

- Turn your inverter ON.
- Place the InvisaMat on the burner you want to use (unless you're using InvisaCookware® pots & pans). Your burners are positioned horizontally side by side (not one above the other). The center of each burner is marked by an engraved dot on the porcelain countertop.
- Press the On/Off button to turn on the cooktop. All the LED light 1s with beep, then go off, if working surface temperature over 140ºF on this model, the related digital LED will show "H," and all the buttons are invalid except Power and Child Lock key.
- Select the burner you want to use and then select number from 1 to 9 on the bar. Use Booster Mode for boiling water only. Press "B" to activate. To deactivate, select the burner and press "B" again.
- The cooktop will automatically start heating the cookware.
- To set a timer press Time and select the number of minutes between 1 to 9 on the bar.
- To lock the cooktop and prevent accidental manipulation, press the Lock button for 3 sec. Press again for a few seconds to unlock.
- To turn off the cooktop, press the On/Off button.

CAUTION:

- Do not touch the hot cookware or cooktop surface. Keep children and pets away from the cooktop when it is in use.

CAUSES OF DAMAGE

- Do not use recipients without the InvisaMat, unless you are using InvisaCookware® pots and pans.
- Never place empty cookware on the cooking area. This may cause damage.
- Do not place hot cookware on the control panel or the function indicator areas. This may cause damage.
- Dropping hard or pointed objects on to the cooking area may cause damage.

5 Essential Rules

1. The InvisaMat must always be used when cooking, unless you are using InvisaCookware® pots and pans.
2. Proper cookware must always be used. (See the next section for more information.)
3. Pot/Pan must never be empty when turning on the unit. (If nothing to cook, the pan will get hot quickly and keep climbing in temperature, which could lead to smoke or burning.)
4. (P) Power Boost is to ONLY be used when boiling water, which lasts 10 minutes to get your water boiling quickly.
5. Cooking with oil or frying food should ONLY be done with levels no higher than 6, failure to due so will void your stone warranty.



Compatible Cookware

For best performance, we recommend using all-clad stainless steel cookware. These pans contain a magnetic core throughout the base and sides.

To check compatibility, place a magnet on the pan:

- The magnet should firmly stick to both the bottom and sides.
- Full-clad or tri-clad stainless steel cookware provides the most efficient and consistent results when used with your Invisacook system and InvisaMat.

Cookware to Avoid

- Aluminum, copper, or glass cookware will not work unless they include a magnetic layer in the base. Some pans have a thin magnetic layer, which may work but will heat slowly and inefficiently. These are not recommended for optimal performance.
- Cast iron cookware is not recommended. While it is compatible with induction, it transfers excessive heat downward, causing the countertop to heat up quickly and reducing efficiency.
- Induction interface discs (diffuser plates/converter discs) should not be used. They reduce efficiency and can cause excessive heat buildup on the countertop.

Compatibility Test

To determine if your cookware is suitable use a small household magnet (such as a fridge magnet) and place it against the bottom of the pan:

To check compatibility, place a magnet on the pan:

- If the magnet strongly adheres → Compatible
- If the magnet sticks weakly → Limited performance
- If the magnet does not stick → Not compatible

Microwave

Contoure® RV-955BKAF - Power Convection Smart Air Fryer & Grill Microwave Oven



NOTE: You will need the inverter to be turned on to use your microwave.

To use the Contoure Microwave Air fryer, follow these steps:

1. Place the food or beverage in the microwave-safe container.
2. Close the door and make sure it is latched securely.
3. Press POWER to adjust the different power levels. For instance, PL10=100% power, PL5=50% Medium, PL1=10% low.
4. Select the desired cooking setting by pressing the corresponding button on the control panel or press the number keys to adjust desired cooking time.
5. Press the START/+30 SEC button to start the cooking process. The microwave will display the remaining cooking time.
6. To check the progress of the cooking, press the STOP/CLEAR button & OPEN DOOR.
7. Remove the food or beverage from the microwave oven carefully.

Additional tips for using your microwave oven

Use the pre-programmed cooking settings for common foods. This will save you time and effort, and it will help you to cook your food evenly.

If you are cooking multiple items at once, use a lower power level and cook for a longer period of time. This will help to prevent the food from overcooking.

Stir or rotate food during cooking to ensure even cooking.

Allow food to rest for a few minutes before serving to allow the heat to distribute evenly.

WARNING: Tightly-closed containers could explode. Closed containers should be opened and plastic pierced before cooking. There may be certain non-metallic containers that are not safe to use for microwaving. If in doubt, you can test the container in question following the procedure below:

- Fill a microwave-safe container with 1 cup of cold water (250ml) along with the container in question.
- Cook on maximum power for 1 minute.
- Carefully feel the container. If it is warm, do not use it in the microwave.
- Do not exceed 1 minute cooking time.

Contoure® RV-955BKAF - Power Convection Smart Air Fryer & Grill Microwave Oven

Material you can use in microwave mode

Materials	Usage
Utensils (plastic, silicone, or wood – no metal)	✅ Safe
Dinnerware (ceramic, porcelain, or microwave-safe glass)	✅ Safe
Browning dish	⚠️ Follow manufacturer instructions
Glassware	⚠️ Use with caution / Can explode
Oven cooking bags	⚠️ Use with caution
Paper plates & cups	⚠️ Limited use
Paper towels	⚠️ Limited use
Parchment paper	⚠️ Use with caution
Plastic	⚠️ Microwave-safe only
Plastic wrap	⚠️ Microwave-safe only
Wax paper	⚠️ Use with caution

Materials to be avoided in microwave oven

Materials	Danger
Aluminum tray	May cause electrical arcing. Transfer food into microwave-safe dish.
Food carton with metal handle	May cause electrical arcing. Transfer food into microwave-safe dish.
Metal or metaltrimmed utensils	Metal shields the food from microwave energy. Metal trim may cause electrical arcing.
Metal twist ties	May cause electrical arcing and could cause a fire in the microwave.
Paper bags	May cause a fire in the microwave.
Plastic foam	Plastic foam may melt or contaminate the liquid inside when exposed to high temperature.
Wood	Wood will dry out when used in the microwave oven and may split or crack.
Glass jars	Glass jars are not recommended for microwave use due to the risk of breakage or injury. Safe ONLY if labeled microwave-safe; avoid sudden temperature changes to prevent cracking.

Contoure® RV-955BKAF - Power Convection Smart Air Fryer & Grill Microwave Oven

Safety

- The microwave must be on a leveled surface.
- The turntable and turntable roller rest must be in the oven during cooking. Place the cookware gently on the turntable and handle it carefully to avoid possible breakage.
- Incorrect use of browning dish may cause the turntable to break.
- Use only the specified bag size when using Direct Access Popcorn.
- The oven has several built-in safety switches to ensure that the power remains off when the door is open. Do not tamper with these switches.
- Do not operate the microwave oven empty. Operating the oven with no food or food that is extremely low in moisture can cause fire, charring or sparking.
- Do not cook bacon directly on the turntable. Excessive local heating of the turntable may cause the turntable to break.
- Do not heat baby bottles or baby food in the microwave oven. Uneven heating may occur and could cause physical injury.
- Do not heat narrow-necked containers, such as syrup bottles.
- Do not attempt to deep-fry in your microwave oven.
- Do not attempt home canning in this microwave oven, as it is impossible to be sure all contents of the jar have reached boiling temperature.
- Do not use this microwave oven for commercial purpose. This microwave oven is made for household use only.
- To prevent delayed eruptive boiling of hot liquids and beverages or scalding yourself, stir liquid before placing the container in the microwave and again halfway through cooking time. Let stand in the oven for a short time and stir again before removing the container.

Safety

- Use carefully when cooking food in the microwave oven to avoid burning due to excessive cooking.
- Children should only use the oven under adult supervision due to the temperatures generated.
- Failure to maintain the oven in a clean condition could lead to deterioration that could adversely affect the life of the appliance and possibly result in a hazardous situation.

Convection Cooking (Bake & Air Fry)

Air Fry is suitable for fast cooking of all kinds of fried foods. Bake is suitable for baking food such as pastries.

With pre-heat:

1. Press AIR FRY or BAKE button once (oven will display 100°F).
2. Press AIR FRY or BAKE repeatedly to set the temperature.
3. Press START/+30SEC to confirm.
4. Press START/+30SEC again to begin pre-heating.
5. Once oven reaches set temperature, the oven will beep. At this time you can open the door, put the food in the oven and close it again.
6. Select cooking time by pressing the number keys.
7. Press START/30+SEC to begin cooking.

Convection Cooking (Bake & Air Fry)

Without pre-heat:

1. Open the door, put the food in the oven and close it again.
2. Follow steps 1, 2 & 3 of pre-heating instructions above.
3. Select cooking time by pressing the number keys.
4. Press START/+30SEC to begin cooking.

To Turn off the Screen (Eco Mode)

In standby mode, with the oven door closed: press STOP/Cancel once. The screen will turn off. Pressing any key or opening the door will cancel ECO Mode.

Quick Use Guide Cooking Modes

Mode	Best For	How to Operate	Typical Settings	Notes
Microwave	• Reheating • Defrosting • Quick meals	DOOR OPEN (bottom left) • Select Power • Set Time • START	• Reheat: PL8 (1-3 min) • Defrost : PL3-PL5 • High: PL10	• No browning in microwave mode • No browning in microwave mode Use microwave-safe containers only
Convection	• Baking • Roasting • Even cooking	W/ Pre-heating: Press Convection • Set temp • START (preheat) • Once pre-heat completed • Set time • START W/o Pre-heating: Press Convection • Set temp • Press convection • Set time • START	• Baking: 325–375°F • Roasting: 375–400°F	• Preheat recommended. Use oven-safe cookware • You can also use the automatic convection cooking settings to help prepare roasted chicken, cake or pizza. Press the function you need, enter weight or amount of food, press START.
Air Fry	• Crispy foods (fries, veggies, nuggets)	• Press Air Fry • Select preset or set temp/time • Press START	• Frozen french fries: H-1 / 9 Oz / 27:00 • Frozen nuggets : H-5 / 12 Oz / 23:00 • Breaded chicken : H-6 / 12 Oz / 23:00 • Shrimps : H-7 / 8 Oz / 20:00 • Vegetables : H-8 / 6 Oz / 20:00 • Chicken wings : H-9 / 16 Oz / 23:00	• Prepare a grill tray for air fry
Broil	• Crisping • Browning • Finishing dishes	• Press BROIL • C-1 displays Continue pressing to choose desired menu • Press START to confirm • Press BROIL repeatedly to choose desired weight • Press START	• General: browning: 3–8 min Cheese melt: 2–5 min • Modes: C-1 Cordon bleu (microwave + Grill) / C-2 Lasagna (microwave + Grill) / C-3 Frozen Bread (Microwave + Grill) C-4 Pie/tart (Convection oven 425°F w/ pre-heat. • Please refer to your Contoure instruction manual page 26	• Top heat only • For C-3 the buzzer will sound halfway to remind you to turn the food over
Grill	• Meat • Grilled-style foods	• Press Grill • G1 will display • Set time • Press START	• Chicken: 15–25 min • Meat: 10–20 min	• When half of the time has passed, the buzzer will sound to remind you to turn the food over. If no operation, the oven will continue working.

Carbon Monoxide Alarm

First Alert CO400



First Alert CO400

Your carbon monoxide detector is located on the ceiling, next to the fan, in the hallway area of your van.

IMPORTANT: For your safety, this alarm should be replaced after approximately 7 years of use. The unit will indicate when replacement is needed by emitting an End-of-Life signal.

Be sure to record the installation and replacement dates for future reference.

What you need to know about Carbon Monoxide

What is CO?

Carbon monoxide is an invisible, odorless, tasteless gas produced when fossil fuels do not burn completely, or are exposed to heat (usually fire). Electrical appliances typically do not produce CO.

These fuels include: Wood, coal, charcoal, oil, natural gas, gasoline, kerosene, and propane.

Common appliances are often sources of CO. If they are not properly maintained, are improperly ventilated, or malfunction, CO levels can rise quickly. CO is a real danger now that homes are more energy efficient.

"Air-tight" homes with added insulation, sealed windows, and other weatherproofing can "trap" CO inside.

Symptoms of CO poisoning

These symptoms are related to CO poisoning and should be discussed with ALL household members:

Mild Exposure
Slight headache, nausea, vomiting, fatigue ("flu-like" symptoms).

Medium Exposure
Throbbing headache, drowsiness, confusion, fast heart rate.

Extreme Exposure
Convulsions, unconsciousness, heart and lung failure. Exposure to carbon monoxide can cause brain damage, death.

IMPORTANT: For your safety, this alarm should be replaced after approximately 7 years of use. The unit will indicate when replacement is needed by emitting an End-of-Life signal.

Your First Alert CO400 alarm helps protect your household members and guests from CO produced while using your RV. CO gas is produced when any type of fuel is incompletely burned. Potential sources of CO in and around your RV can include gas or diesel engine exhaust, portable space heaters, gas stoves and ovens, furnaces, defective engine exhaust systems, portable grills, other nearby RVs, portable generators, generator exhaust, and other propane-powered appliances. All are sources of CO.

The following are also sources of CO that may affect you:

These symptoms are related to CO poisoning and should be discussed with ALL household members:

- Extended operation of unvented fuel burning appliances can build up high CO levels.
- An idling vehicle in an open or closed garage.
- Temperature inversions can trap exhaust near the ground.
- CO build up can be caused by reverse/negative venting of fuel burning appliances including: 1) clogged, loose or faulty stacks or chimneys of (clothes dryers, furnaces and water heaters, etc.), 2) wind direction and/or velocity, 3) simultaneous operation of multiple fuel burning appliances, and/or exhaust fans.

WARNING: Limitations of CO alarms: this alarm will not work without power. Do not remove the 9 volt lithium battery.

THIS ALARM WILL ONLY INDICATE THE PRESENCE OF GAS AT THE SENSOR.

This alarm will only indicate the presence of gas at the sensor. Do not block or cover the alarm with any object that can prevent carbon monoxide from reaching the sensor.

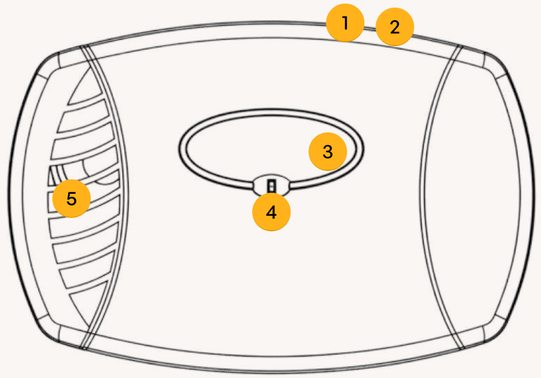
THIS ALARM MAY NOT ALARM AT LOW CO LEVELS

It is not designed to measure compliance with the Occupational Safety Health Administration (OSHA) commercial or industrial standards. Individuals with medical problems may consider using warning devices, which provide audible and visual signals for CO concentrations under 30 ppm.

THIS ALARM IS NOT A REPLACEMENT FOR INSURANCE.

Always be sure your van is fully insured.

WARNING: Installation of the device should not be used as a substitute for proper installation, use, and maintenance of fuelburning appliances, including appropriate ventilation and exhaust systems.



1 **Open door (in back)**

2 **Battery compartment (in back)**

3 **Test/Silence button**

4 **Power/Alarm light (RED)**

5 **(Behind cover) Alarm horn**

85dB audible alarm for test, alarm, and unit malfunction warning.

Test Procedure

WARNING: To reduce the risk of carbon monoxide poisoning, test this alarm's operation weekly and after the van has been in storage, before each trip, and at least once per week during use.

WARNING: DO NOT stand close to the alarm when the horn is sounding. Exposure at close range may be harmful to your hearing. When testing, step away when horn starts sounding

- Push and hold the Test/Silence button on the cover until you hear an acknowledge "chirp". The alarm horn will sound 4 beeps, a pause, then 4 beeps. The ALARM (RED) light will flash.
- The alarm sequence should last 5-6 seconds. If it does not alarm, make sure fresh batteries are correctly installed, and test it again.
- If the unit still does not alarm, replace it immediately. If the alarm does not test properly:

1. Make sure that fresh batteries are installed correctly.
2. Be sure the alarm is clean and dust-free.
3. Install a fresh 9 volt battery and test the alarm again.

WARNING: DO NOT try fixing the alarm yourself – this will void your warranty! If the CO alarm is still not operating properly, and it is still under warranty, please see "How to Obtain Warranty Service" in the Limited Warranty. Install a new CO alarm immediately. The Test/Silence button is the only proper way to test the CO alarm. NEVER use vehicle exhaust! Exhaust may cause permanent damage and voids your warranty.

Regular Maintenance

To keep the CO alarm in good working order:

- Test it every week using the Test/Silence button.
- Vacuum the CO alarm cover once a month, using the soft brush attachment. Never use water, cleaners, or solvents, since these may damage the unit. Test the CO alarm again after vacuuming.
- Replace the battery when the CO alarm "chirps" about every minute (the low battery warning). The low battery warning should last for 7 days, but you should replace the battery immediately to continue your protection. Choosing a replacement battery: This CO alarm requires one standard 9 volt battery. The following batteries are acceptable as replacements: Duracell MN1604, Energizer 522, and Ultralife U9VL-J-P. These replacement batteries are commonly available at local retail stores.

Using the Silence Feature

WARNING

- The Silence Feature is for your convenience only and will not correct a CO problem. Always check your home for a potential problem after any alarm. Failure to do so can result in injury or death.
- NEVER remove the batteries from your CO Alarm to silence the horn. Use the silence feature. Removing the batteries removes your protection! See “If Your CO Alarm Sounds” for details on responding to an alarm.

When CO reaches alarm levels the alarm will sound— repeating horn pattern: 4 beeps, a pause, 4 beeps, etc. Press and hold the Test/Silence button until the horn is silent. The initial Silence cycle will last approximately 4 minutes.

NOTE: After initial 4-minute Silence cycle, the CO Alarm re-evaluates present CO levels and responds accordingly. If CO levels remain potentially dangerous—or start rising higher—the horn will start sounding again.

Trouble-Shooting Guide

Use this chart to trouble-shoot problems with your First Alert Alarm.

Problem	Meaning	What to do
The light continues to flash (RED) and the horn “chirps” once every minute.	Low battery warning.	Install 1 new 9 volt battery
The light flashes (RED) and the horn sounds 3 “chirps” every minute.	MALFUNCTION SIGNAL. CO Alarm needs to be replaced.	CO Alarms under warranty should be returned to manufacturer for replacement. See “Limited Warranty” of the alarm manual for details
The light flashes (RED) and the horn sounds 5 “chirps” every minute.	END OF LIFE SIGNAL. CO Alarm needs to be replaced.	Immediately replace the CO Alarm.
CO Alarm goes back into alarm 4 minutes after you press the Test/ Silence button.	CO levels indicate a potentially dangerous situation.	IF YOU ARE FEELING SYMPTOMS OF CO POISONING, EVACUATE your home and call 911 or the Fire Department. If not, press the Test/Silence button again and keep ventilating your van.

Procedures to Take During a CO Alarm

WARNING: Activation of this device indicates the presence of carbon monoxide (CO) gas, which can KILL YOU. If signal sounds (4 beeps and flashing or solid red light).

Sensor has detected enough CO to trigger an alarm. Light flashes rapidly and horn sounds loudly (repeating 4 beeps, pause).

1. Operate the Test/Mute button.
2. Call your emergency local service (fire department or 911).
3. Immediately move to fresh air - outdoors or by an open door/window. Check that all persons are accounted for. Do not reenter the premises or move away from the open door/window until the emergency responders have arrived, the premises have been aired out and your alarm remains in its normal operation.
4. After following steps 1-3, if your alarm reactivates within a 24-hour period, repeat steps 1-3 and call a qualified appliance technician to investigate for sources of CO from fuel burning equipment and appliances, and inspect for proper operation of this equipment. If problems are identified during this inspection have the equipment serviced immediately.

Note any combustion equipment not inspected by the technician and consult the manufacturers’ instructions, or contact the manufacturer directly, for more information about CO safety and this equipment. Make sure that the motor vehicles are not, and have not been, operating in an attached garage or adjacent to the residence.

The emergency number depends on your travel location.

End of Life (EOL) Directions

1. Silencing: This silence feature can temporarily quiet the End of Life warning “chirp” for up to 2 days. You can silence the End of Life warning “chirp” by pressing the Test/Silence button. The horn will chirp, acknowledging that the End of Life silence feature has been activated. After approximately 2 days, the End of Life “chirp” will resume.
2. Do not unplug the alarm or remove the batteries until you get replacement.

IMPORTANT: Removing/damaging label or opening the alarm voids warranty. Only open at EOL.

Smoke Detector

FIRST ALERT - Battery-Operated RV Smoke Alarm - SMI100RV



First Alert Smoke Alarm SMI100RV

Your smoke detector is located on the ceiling, next to the fan, in the hallway area of your van.

IMPORTANT: For your safety, this alarm should be replaced at the end of its service life, as indicated by the manufacturer. The unit will emit an End-of-Life signal when replacement is required.

Be sure to record the installation and replacement dates for future reference.

Operating your smoke alarm

Once the smoke alarm has been installed a small indicator light (LED), positioned beside the test button, should flash approximately once a minute in normal operation. If smoke is detected the unit will emit a load pulsating alarm until the air is clear.

Testing your smoke alarm

It is recommended that you test your smoke alarm once a week, after vehicle has been in storage and before each trip, to ensure the detector is working correctly. Press and release the Test/Silence button on the cover of the unit. The alarm will chirp and then alarm. If it does not alarm, make sure the unit is receiving power and test it again. If it still does not alarm, replace it immediately. During testing, you will hear a loud, repeating horn pattern: 3 beeps, pause, 3 beeps, pause.

Common causes of false alarms

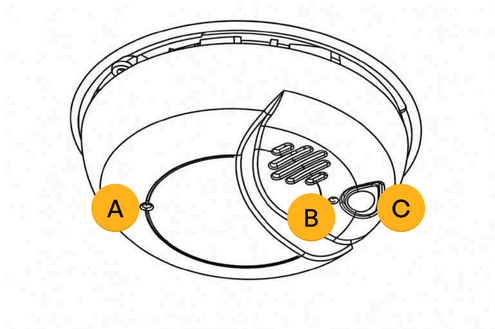
The smoke alarm may be triggered by steam, condensation, normal smoke or fumes. Small insects getting into the smoke alarm chamber may cause intermittent alarms. Keep away from the sources to avoid nuisance alarms.

Low battery warning

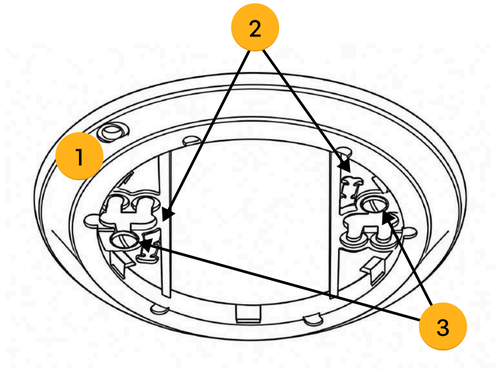
When the battery becomes weak, the Smoke Alarm unit will "chirp" about once a minute (the low battery warning). This low battery warning should last for 7 days, but you should replace the battery immediately to continue your protection.

You can silence the Low Battery Warning "chirp" by pressing the Test/Silence button on the Alarm. The Green light flashes normally, once every minute, during Low Battery Warning silence. After time, the low battery "chirp" will resume. Deactivate the Smoke Alarm and replace it immediately.

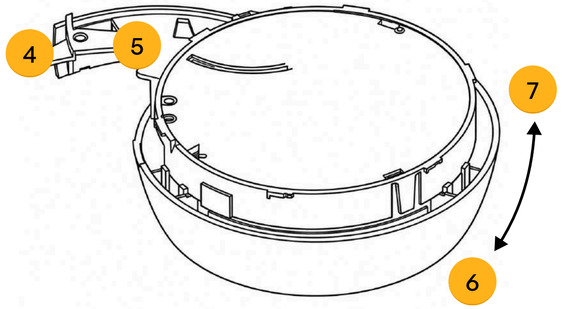
Parts of the smoke alarm



- A Smoke LED (RED)
- B Power LED (GREEN)
- C Test/Silence button



- 1 Mounting Bracket
- 2 Locking pins (break out of bracket)
- 3 Mounting slots



- 4 Latch to open battery compartment
- 5 Battery compartment
  Install 9V battery here
- 6 Turn this way to remove
- 7 Turn this way to attach

Troubleshooting guide

Problem	Meaning	What to do
Green Power light is off. Unit will not Alarm when you press the Test/Silence button	Battery may be dead or missing	Replace battery.
Horn “chirps” and Green Power LED flashes 1 time every minute	Battery is low	Replace battery.
Horn “chirps” and Green Power LED flashes 3 times every minute	MALFUNCTION SIGNAL. Device is not working properly, and needs to be replaced	If unit is under warranty, contact Customer Support to process a warranty replacement.
Horn “chirps” and Green Power LED flashes 5 times every minute	END OF LIFE SIGNAL. Alarm needs to be replaced.	Replace alarm immediately.
Power LED flashes Green 2 times every minute	Alarm requires cleaning	Clean alarm then press and release the test button. See “Regular Maintenance” section. If Green LED continues to flash, contact Customer Support.
Horn 3 beeps, pause, 3 beeps, repeat. Power LED Off, Smoke LED flashes Red in sync with horn	Smoke is detected	Potentially dangerous situation that requires your immediate attention. NEVER ignore any alarm. Ignoring the alarm may result in injury or death.

What to do in case of fire

- Don’t panic; stay calm. Follow your family escape plan.
- Get out of the van as quickly as possible. Don’t stop to get dressed or collect anything.
- Feel doors with the back of your hand before opening them. If a door is cool, open it slowly. Don’t open a hot door. Keep doors and windows closed, unless you must escape through them.
- Cover your nose and mouth with a cloth (preferably damp). Take short, shallow breaths.
- Meet at your planned meeting place outside your van, and do a head count to make sure everybody got out safely.
- Call the Fire Department as soon as possible from outside. Give your address, then your name.
- Never go back inside a burning van for any reason.
- Contact your fire department for ideas on making your van safer.

FOR MORE INFORMATION ON THE CARBON AND SMOKE DETECTOR, PLEASE SEE THE OWNER’S MANUAL IN THE DRAWER UNDER THE COOKTOP.

Fire safety tips

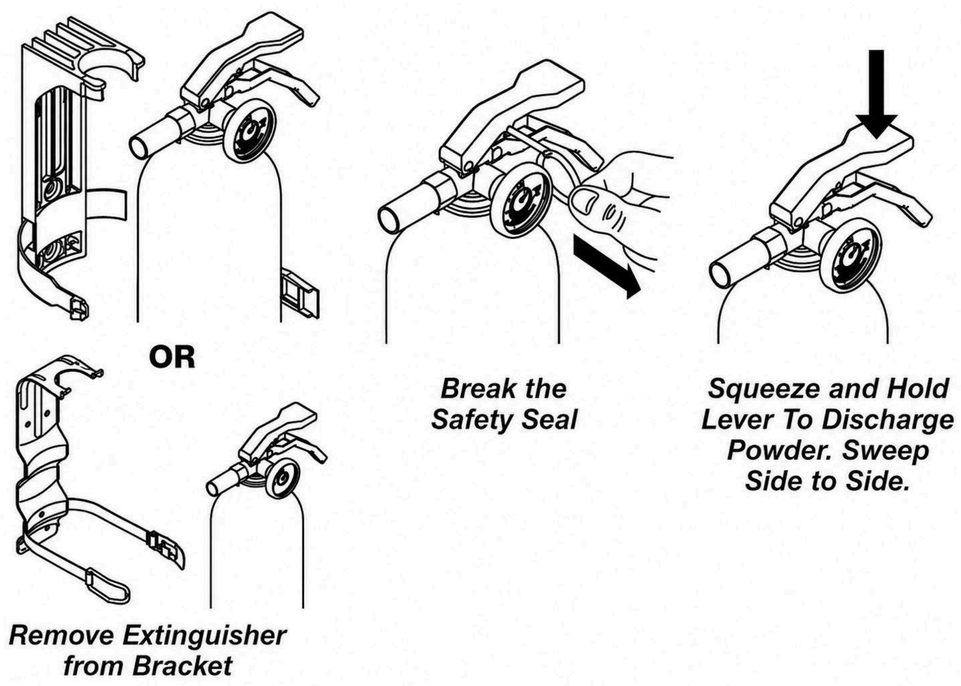
Follow safety rules and prevent hazardous situations:

- Use smoking materials properly. Never smoke in bed.
- Keep matches or lighters away from children.
- Store flammable materials in proper containers.
- Keep electrical appliances in good condition and don’t overload electrical circuits.
- Keep stoves, barbecue grills, fireplaces and chimneys grease and debris-free.
- Never leave anything cooking on the stove unattended.
- Keep portable heaters and open flames, like candles, away from flammable materials.
- Don’t let garbage accumulate. Keep alarms clean, and test them weekly. Replace alarms immediately if they are not working properly. Smoke alarms that do not work cannot alert you to a fire.
- Keep at least one working fire extinguisher.

Fire Extinguisher

FirstAlert® Dry Chemical Fire Extinguisher

How to fight the fire



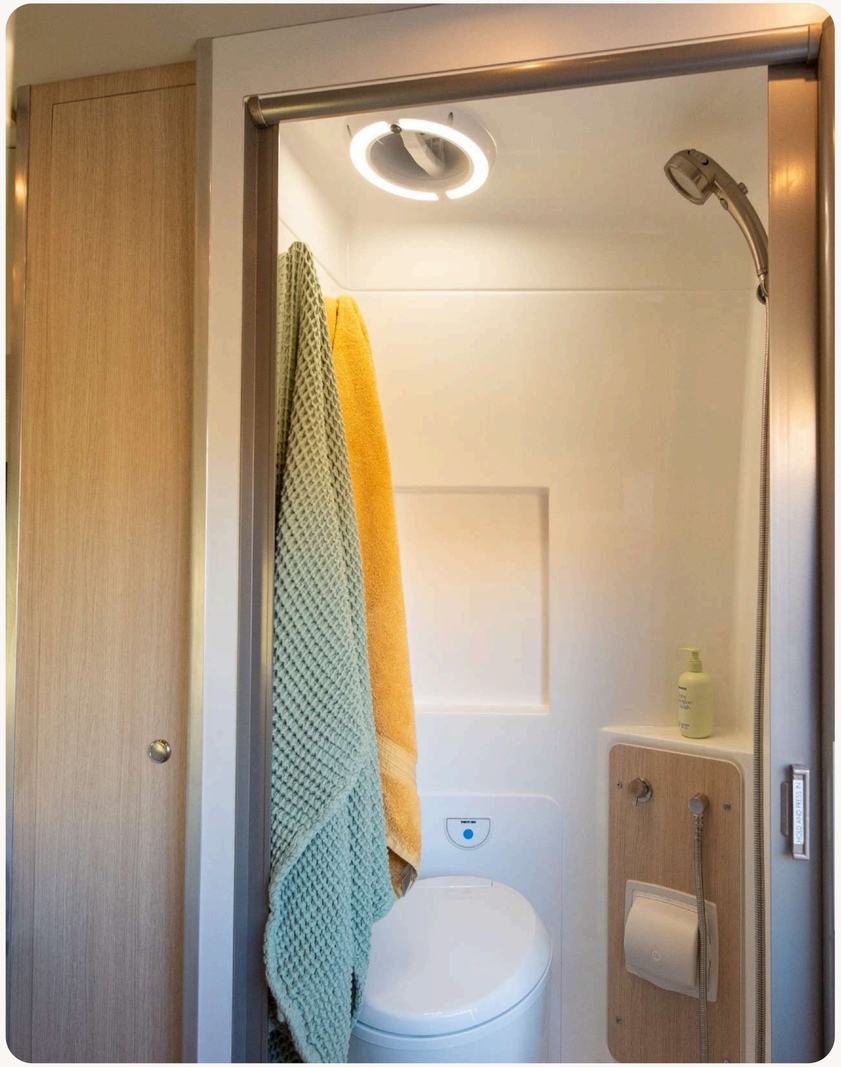
1. Remove the extinguisher from the mounting bracket.
2. Hold the unit firmly with the nozzle facing away from you.
3. Pull out the pin to break the "Safety Seal." You won't be able to squeeze the lever until the safety seal is removed.
4. Stand back 6 feet (2 meters) from the fire and make sure the fire is not between you and your exit.
5. Hold the extinguisher upright and aim the nozzle at the base of the fire.
6. Squeeze and hold the lever to discharge the powder.
7. Sweep the spray at the base of the burning material, using quick side-to-side motions. (If the spray scatters the fire, move back.)
8. Move slowly towards the fire as the extinguisher spray pushes the fire back. Maintain a 6-foot (2 meter) distance between you and the front of the fire at all times.
9. Completely discharge the contents of the extinguisher and make sure the fire is completely out. Flashbacks are common with fires.
10. For kitchen fires on a kitchen stove, turn off the stove immediately if possible, otherwise as soon as it is safe.
11. If you suspect a fire had an electrical origin, shut off the electrical power, if possible, without eliminating your escape route. Do not touch electrical wires or appliances.
12. After you have completely discharged your extinguisher, leave the building and close all the doors behind you.

After the fire is extinguished

DANGER: Do not turn the electrical power back on or plug in any appliances until the area has been cleaned up completely. It is very important to remove the powder from electrical equipment after a fire. If the powder gets wet, it can conduct electricity. (Using a dry chemical extinguisher on wet electrical equipment may be hazardous for this reason.) This may worsen an electrical leakage problem, impair the equipment's insulation, or create an electrical shock hazard.

FOR MORE INFORMATION ON THE FIRE EXTINGUISHER, PLEASE SEE THE OWNER'S MANUAL IN THE DRAWER UNDER THE COOKTOP.

Interior Amenities: Bathroom



Shower Head & Shower Handle

To take a shower, turn on the water pump (round switch on the kitchen's backsplash) and the water heater (See Water section). No need to wait for the water to heat up, the water heater works instantly. You are now ready to take your shower! When top of lever is pointed to driver side, it is HOT.

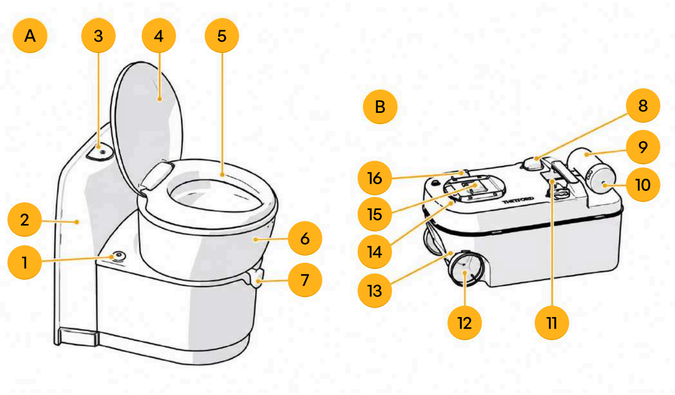
The Nautilus shower door is retractable. To open it, gently hold and press-in.

Clean shower screen every 2-3 months using a mild non-abrasive agent or window cleaner.

To prevent the hose from rubbing against the wall while driving, the shower system is equipped with a quick-connect fitting that allows the hose to be easily attached or detached. To release the connection, simply slide down the locking ring and pull the hose free, no twisting or unscrewing required.

Toilet

Thetford® C223S RV Cassette Toilet / Water connected & Electrical flush



1	Level indication	9	Pour out spout
2	Flush water tank	10	Cap
3	Flush button	11	Automatic pressure release vent
4	Cover	12	Wheel
5	Seat	13	Pull handle
6	Swiveling toilet bowl	14	Vent button
7	Blade handle	15	Sliding cover
8	Float	16	Blade opener

Before use

1. Ensure that all packaging materials have been removed. Prepare the waste-holding tank.
2. Remove the waste-holding tank through the service door.
3. Place the waste-holding tank upright and turn the pour-out spout upwards.
4. Remove the cap from the pour-out spout.
5. Check the correct dosage of Thetford waste-holding tank additive on the package.
6. Add the stated dosage to the waste-holding tank.
7. Add 3 liters of water to the waste-holding tank to ensure that the bottom of the waste-holding tank is covered.
8. Screw the cap back onto the pour-out spout.
9. Slide the waste-holding tank back into its original position via the service door.

CAUTION: Never add toilet additives directly via the valve blade or via the toilet bowl, as this could damage the lip seal of the waste-holding tank. Only fill the waste-holding tank via the pour-out spout.

CAUTION: Never use force if you cannot get the waste-holding tank back into place easily. If a blockage occurs, always check if the blade handle is in the closed position.

Use of the toilet

CAUTION: The toilet can withstand a maximum load of 265lbs. Make sure you do not overload the toilet.

Close the cover and use both hands to rotate the bowl to the desired position (max. 90° clockwise and 170° counterclockwise).

Opening the blade

Open the blade by moving the blade handle from left to right. Always close the blade completely after use.

NOTE: The toilet can be used with the blade open or closed.

Flushing the toilet

Make sure the blade is open.

Press the flush button and hold it for several seconds to flush the toilet.

The flush of your toilet will be more effective if you pulsate the flush by pressing the flush button several times in a row.

NOTE: Ordinary toilet paper can cause clogging. Use Thetford Aqua Soft toilet paper for your toilet. This toilet paper is super-soft, dissolves quickly. prevents clogging and makes it easier to empty the waste-holding tank.

CAUTION: To prevent water damage to your van do not travel with water in the toilet bowl.

CAUTION: Do not leave water in the toilet bowl if the toilet is not being used. This does not help to reduce unpleasant smells and only leads to flooding.

Emptying the waste-holding tank

Your toilet has a 1-level indication for the waste-holding tank. When the slide turns from green to red, the waste-holding tank is full.

1. Remove the waste-holding tank.
2. Fold out the pull handle until it is fully extended.
3. Bring the tank to an authorized waste disposal point.
4. Place the waste-holding tank upright and turn the pour-out spout upwards.
5. Remove the cap from the pour-out spout.
6. Press and hold the vent button with your thumb while the pour-out spout is pointing downwards to empty the waste-holding tank.
7. Add 5 liters of water to the waste-holding tank and replace the cap.
8. Gently shake the tank to clean it. Empty the waste-holding tank again
9. Remove the float from the waste-holding tank by turning it clockwise and rinse the float with tap water.
10. Fold in the pull handle until it clicks into place.
11. Slide the waste-holding tank into the toilet and close the service door.
12. If you want to continue using your toilet after emptying the waste-holding tank, prepare the waste-holding tank again (see "Before use" section).

CAUTION: To prevent water damage to your van, do not travel with a waste-holding tank that is more than 3/4 full. This may cause leakage through the venting system. Do not allow the waste-holding tank to become too full.

NOTE: Thetford green toilet additives are completely safe to empty into a septic tank or small biological systems on camping sites.

Toilet

Laveo Dry Flush Toilet

The toilet works like a standard toilet, but without water.
Waste is sealed in a bag after each use.

Using the toilet

Use the toilet as you normally would and press the flush button once after use. The system will run a short cycle (~15–20 seconds), waste is then sealed in a bag and a new clean liner is automatically created.

Each cartridge provides approximately 15–17 flushes, with each flush using one portion of the liner.

For liquid use only, you may flush less frequently (up to three uses per flush) to extend capacity, by using the Pee Powder sold by Laveo. This practice is not recommended for solid waste.

The Refill Cartridge is manufactured with a Red Line to inform the user that the cartridge is empty and needs to be changed. Please change the cartridge when this red line appears.

Removing Waste & Emptying

1. Lift the toilet seat and remove the white trim top.
2. Detach the refill cartridge rim and separate it from the bag. The plastic rim can be recycled.
3. Lift the sealed waste bag out of the container.
4. Pull the liner up and over the cartridge to fully enclose the waste.
5. Twist and seal the bag securely using the provided tie.
6. Dispose of the sealed bag in a trash bin.

Installing a New Refill

1. Lift the toilet seat and remove the white trim top.
2. Remove the Octagon Container from inside the toilet.
3. Place a new liner bag inside the container, folding the edges over the rim like a trash bag, and secure it with the provided rubber band.
4. Place the container back into the toilet, ensuring it is properly seated. Gently rotate it clockwise, you should feel resistance and possibly hear a slight motor sound.
5. Insert the refill cartridge, making sure the cut-outs are aligned toward the rear of the unit.
6. Pull a small amount of liner material and shape it into a bowl. The toilet is now ready to use.

NOTE:

- Do not insert sharp objects (can damage the liner)
- Do not stand on the Laveo
- Ensure the unit is stable before use
- Dispose of waste responsibly and respectfully

Please refer to Laveo Dry Flush toilet manual for further information.

Toilet

Modiwell LE-310 Dry Flush Toilet

Before using the toilet

Add one dose of coagulant to help solidify waste. After use, press and hold the Start button for approximately two seconds to begin the sealing cycle.

The system will then operate automatically for about two to three minutes, during which the waste is sealed inside a bag, cut, and transferred into the storage compartment.

A new liner section is then prepared for the next use .

Make sure the battery level is sufficient before use, and recharge the unit when needed to ensure proper operation.

Removing Waste

After each use, waste is sealed in an individual bag and stored in the lower compartment of the toilet. When needed, open the compartment and remove the sealed bag. Dispose of it in a standard trash bin, ensuring it remains properly closed.

Installing a New Refill

When the refill bags are empty or need to be replaced, open the toilet and remove the seat and refill bag guide.

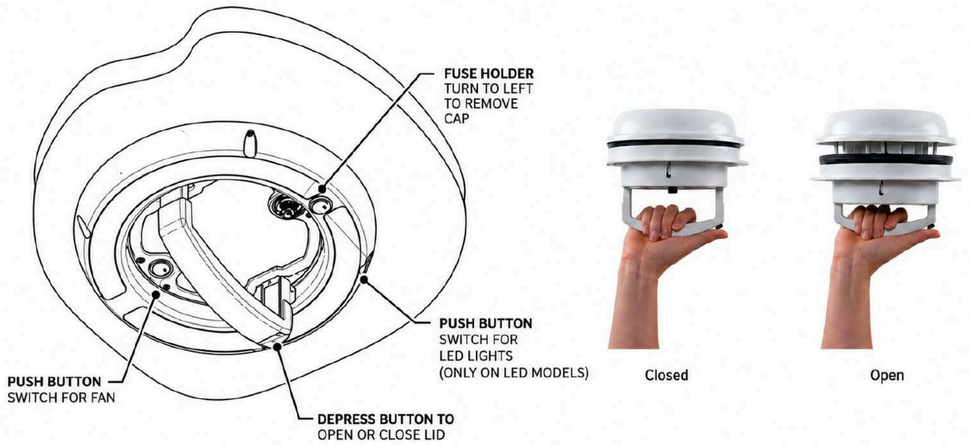
Place a new refill bag ring onto the base, ensuring it is correctly aligned. Pull a portion of the bag upward (approximately 20 cm/8 inches), gather it, and position it inside the bowl.

Reinstall the refill bag guide and the seat. Once installed, run a sealing cycle to prepare the system for use. Proper alignment of the refill bags is important to ensure smooth operation and avoid feeding issues.

Please refer to Modiwell LE-310 Dry Flush Toilet manual for further information.

Shower Fan

Maxx® Air Fan Dome +, 6» Fan, Led



How to clean your fan

Cleaning of your MAXXFAN Dome may be achieved with mild soap and water only. The screen can be removed for cleaning by removing the four (4) screws. Before removing the screen for cleaning, ensure the fan is turned to the off position.

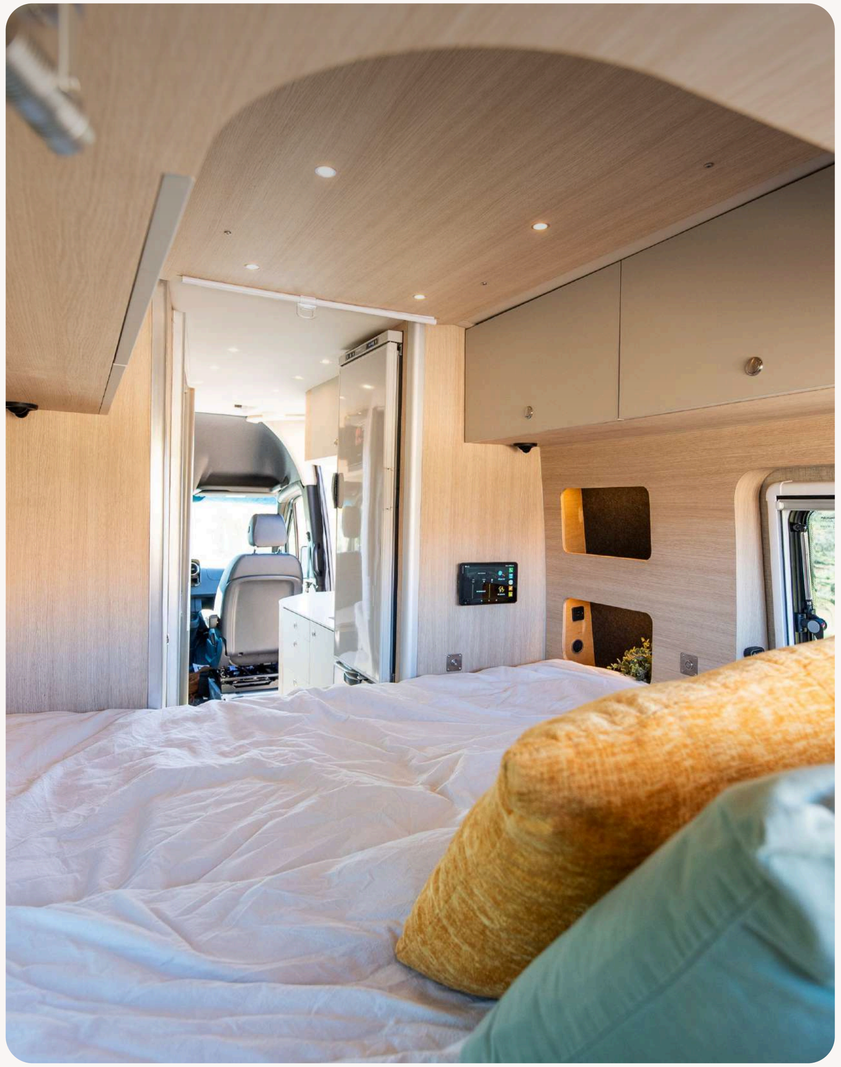
CAUTION: Do not operate the fan with the screen removed.

The MAXXFAN Dome fan has a 5-amp fuse. To access the fuse, turn the fuse cap to the left to remove the cap. Replace the fuse with a 5-amp, type GMA fast acting fuse. Replace the fuse cap to secure the fuse in the fuse holder.

How to use your fan

1. To open the MAXXFAN Dome lid, push the button on the handle to disengage the clip and slide the handle away from you until the clip engages the upper opening.
2. To close the lid, push the button on the handle to disengage the clip and pull the handle toward you until the clip engages the lower opening.
3. Operation of your MAXXFAN Dome simply entails pushing the on/off button on the fan to activate the exhaust fan.
4. The optional LED lighting on the garnish ring is operated by the push button on the garnish ring. The LED lighting and fan operate independently.
5. Close the lid to impede the infiltration of air when the exhaust fan is not in use.
6. The MAXXFAN Dome fan should not be operated with the lid closed.

Interior Amenities: Bedroom



Bed

WARNING: Sleeping facilities should not be used while the vehicle is in motion. For safety, passengers must remain in seatbelted positions when the vehicle is moving.

Designed for ultimate comfort, the RV queen mattress features a 6-inch memory foam layer that cradles your body for deep, restorative sleep, while the integrated electric recliner allows you to adjust your position for optimal relaxation.

Important safety information:

- Do not interfere with the bed reclining system while operated, neither with any objects or with hands.
- The bed reclining system shall only be used by adults.

To adjust the reclining upper section of the bed, use the black panel with the two arrows, located next to the passenger-side window.

An additional control is located at the rear of the van, in the garage at the passenger-side tailgate, allowing you to adjust the bed position to improve access to the storage area.

- Do not move the bed lifting system if people or animals or items are around, under, or on it.
- The bed lifting system must never be used while the vehicle is running.
- It is forbidden to start the bed lift system manually with disconnected wires from motor unit to control unit.
- Should the mechanism not work, do not use the bed and ask for assistance at the next service center.

NOTE: The bed lifting system can bear a total maximum weight of 350 lbs.

WARNING: Always make sure that the EuroLoft Bed Lift path is clear of people, pets and objects before and during operation. Always keep away from the slide rails when the bed is being operated.

Prior to Operating the EuroLoft Bed Lift System

WARNING: The bed lifting system must never be used while the vehicle is in motion.

1. Make sure the vehicle is parked, secured and stabilized before starting bed lift operations.
2. Set the parking brake, if applicable.

Electrical Sockets and LED Switches

As you rest on your bed you'll find two reading lights (driver and passenger sides) above your heads. Switch them ON by pressing the little grey button located on the base of the lamp.

Inside the shelves on both sides of the van, near your feet, you will find a 120V outlet (requires the inverter to be on) as well as a 12V USB and USB-C port. The shelf lighting can be turned on and dimmed using the round switches located along the wall between the shelf and the window.

The ceiling lights are dimmable and can be controlled using the round switch located on the kitchen wall, beneath the bedroom control screen.

All interior lights can also be controlled through the Noovo App on your Garmin display(s).

Storage

Two rows of overhead cabinets above the bed offer ample storage, complemented by an overhead compartment above your head, designed to house the projector (optional).

A lighted wardrobe between the bathroom and the shower offers convenient storage for clothing and personal items.

Windows

Passenger side: 11.81"x43.21" (built-in bug net & covers included)

Driver side: 17.72"x35.43" (built-in bug net & covers included)

To open the window, release the four handles and gently push it outward to the desired opening level. To close it, gently pull the window back toward you and secure it by locking the handles.

The bug net and cover can be used interchangeably. To deploy the cover, pull it upward from the bottom. To use the bug net, pull it downward from the top. Both can be connected, allowing you to switch between them smoothly. Keeping the cover tucked in while attached to the bug net also helps prevent damage.

Nebula Capsule 3 Laser Projector

(Optional)

To get started, fully charge the projector and press and hold the power button for three seconds to turn it on. During first use, follow the on-screen instructions to pair the remote, connect to Wi-Fi, and complete the setup.

Ensure the projector is on a flat, stable surface facing the screen. The image will automatically adjust thanks to built-in autofocus and keystone correction, which activate when the projector is moved or via the remote.

You can access content directly through built-in apps (such as streaming services), mirror your device wirelessly, connect an external device via HDMI, or play media from a USB drive. For the best experience, ensure your device is connected to the same Wi-Fi network when casting.

Audio can be played through the built-in speaker, connected external speakers (via AUX or Bluetooth), or by using the projector as a standalone Bluetooth speaker.

For optimal performance, keep ventilation openings unobstructed, avoid touching the lens, and update the system regularly through the settings menu.



Exterior



Driver Side

From front to back on the driver’s side of the van:

Gas
Just to the right of the driver’s door you will find the van’s fuel door.

Grey Water Tank
Towards the middle of the van, at chassis level, you will find the outlet for the grey water tank. See the Water section for more information on the subject.

Toilets Service Door (Thetford only)
The service door for emptying the toilet is the biggest one on the driver’s side. You will need the key provided with the van’s key ring to open it. For instructions on how to empty the toilet, please refer to the Bathroom section.

Shore Power
At the back of the van, on the driver’s side, you will find the hatch with the plug for connecting to electricity. For further information, please refer to the Electricity section.

Fresh Water
At the back of the van, on the driver’s side, you will find the lockable water inlet to fill your fresh water tank.

WARNING: Be careful not to confuse the water inlet with the fuel door. For further information, please refer to the Water section.

Passenger Side

Electrical Awning

Girard Systems - GG750 AWNING

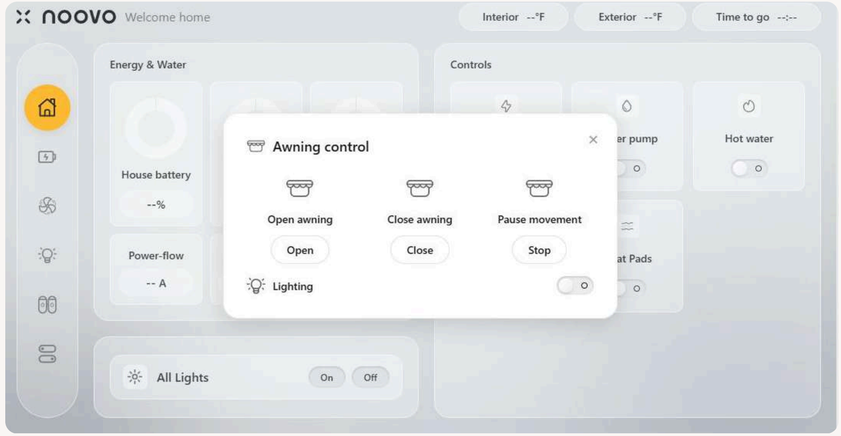
You can access your awning controls either from the home screen by selecting “Awning control” or through the “Additional Switches” menu (the last icon in the left-side menu), then select “Awning.”

You can then choose:

- Open Awning.
- Close Awning.
- Stop to pause the awning at your desired position.

You also have access to the awning light controls.

WARNING: Do not put your hands in the mechanical parts of the awning when the awning is moving.



Automatic Operation

The awning is equipped with a motion sensor that detects oscillating movements of the front bar while the awning is open. If the movement exceeds the preset threshold, such as during strong winds, the awning will automatically retract to help protect the system.

CAUTION: Given the automatic operation, make sure there are no obstacles during the closing.

- Make sure that the awning perfectly rolls up.
- Before leaving, make sure the awning is correctly closed.
- A damaged fabric does not allow the awning to perfectly roll up.
- Never use the awning with a damaged canopy.
- Wash the canopy with a light cleaning detergent.

NOTE: The awning is designed to protect from the sun, and not from rain, wind, or snow. In these cases, we recommend rolling it up!

Manual Override

In case of motor issues, the GG750 has a manual override to close the awning.

- Remove the endcap opposite the motor by removing the 3 Phillips head screws.
- Using a 13mm wrench, turn the manual override shaft in order to close the awning.

NOTE: The manual override is one-way; it can only close the awning. Please refer to the owner's manual for further information.

Fold-Out Table

The table is attached using a powerful magnet. To unfold it, pull it towards you. To fold it, push it upwards.

CAUTION: Don't overload it or sit on it, you could damage it. Recommended maximum weight: 20 lbs.

Exterior Ports & Outlets

- 120V exterior outlet - The inverter must be ON to use this outlet
- Optional: External solar port - The breakers for this port are located inside your electrical box (passenger side), next to the roof solar breakers.



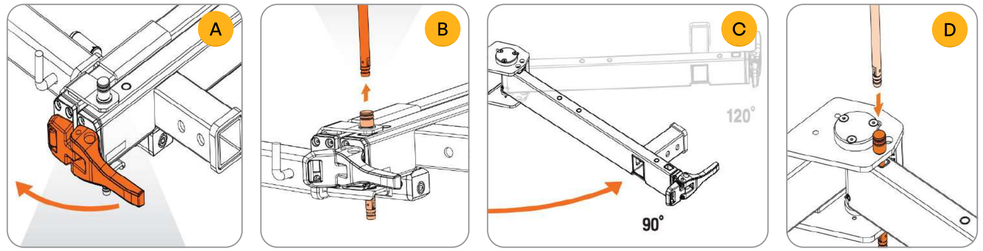
Bike Racks - (options)

Your bike rack is made of two components: the backswing, which allows you to access your tailgate, and the bike rack or ebike rack.

KUAT Pivot XD Swing Away Hitch

The Pivot XD Swing Away hitch adapter turns your hitch product into an easy-to-use, swing-away rack that locks up tight while you're on the road.

How to operate the Pivot XD



A **Pull rack lever to disengage the rack.**

NOTE: If you find your PIVOT XD lever difficult to latch, or too easy to unlatch, it may be necessary to adjust the clamping force. Using a 8mm allen tool, adjust the clamping force by slightly loosening or tightening the bolt located on the inside of the lever arm. After adjustment, check that the lever opens and closes securely.

B **Align safety pin tab vertically and remove.**

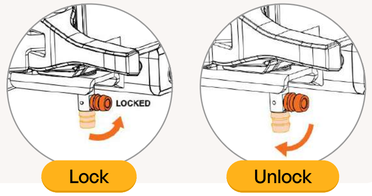
C **Pivot rack arm to the desired angle: 90 or 120 degrees and secure with rack safety pin.**

WARNING: Uncontrolled movement of the PIVOT XD arm can cause injury. Maintain point of contact and avoid pinch points.

D **Secure with rack safety pin.**

WARNING:

- Latch must always be closed for safe transport
- When closing the rack confirm that the safety pin is fully installed and the tab is rotated to the horizontal (locked) position.



KUAT PISTON® PRO - Two bike rack

1 OneTap™ Operation

- Open each arm by tapping the OneTap™ levers. Stand back, each arm will fully open automatically. Do not hold the lever while opening or closing.

CAUTION: Stand clear of automatic arms to avoid impact.

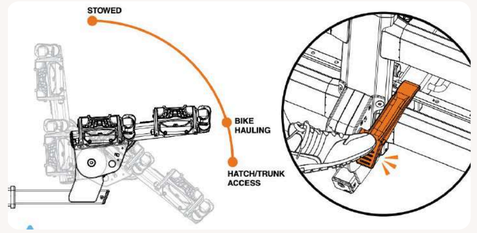


- To close, simply push arms back down into stowed position.

2 Foot Lever Operation

- Fold rack up and down using the pivot lever.

CAUTION: Stand clear of automatic arms to avoid impact.



WARNING: When your rack is in the stowed position, please ensure that your rack will not come into contact with your bumper.

3 Loading & Unloading Bikes

- Push tabs inward and slide tire cradle up or down tire arm to adjust for measured wheel size.
- Visually ensure tabs are fully secured in notches. Misaligned tabs or tabs not fully secured will show a red warning indicator.

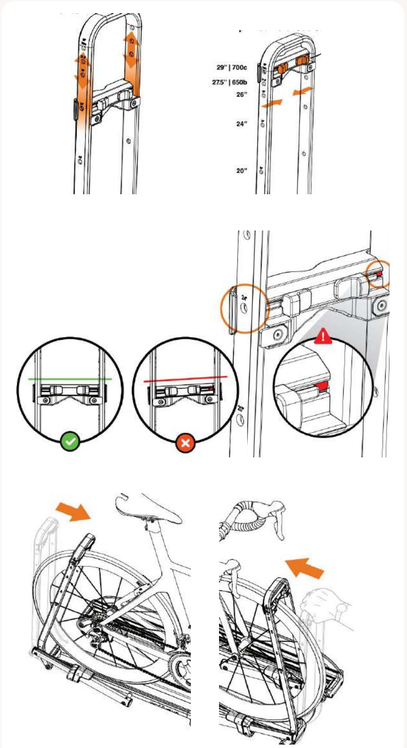
WARNING: Failure to secure both tabs may result in bikes becoming loose and falling during travel.

- Open Piston® Pro tire cradle arms by tapping each OneTap™ (refer to OneTap™ Operation)
- With bike in position close arms onto tires until firm contact is made with tire cradles.

WARNING: Ensure tire cradles make contact with tires. Insufficient contact could result in bicycles becoming loose during travel. Each arm requires at least 1 click of engagement to ensure safe transport.

- Should the need arise, bikes can be loaded asymmetrically, or oriented in the same direction to accommodate different fitment problems.
- To further fine tune the fitment, bikes can be adjusted left and right on their individual trays.
- UNLOADING: Tap each OneTap™ lever to release tire arms and unload bike.

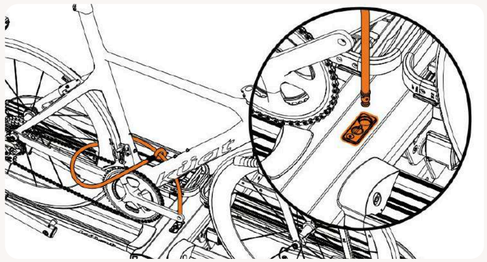
NOTE: After pushing the OneTap™ lever, it may be necessary to push the tire arm up off the tire. Always keep one hand on bike when releasing tire arms.



4 Securing Your Bikes with Cable Lock

Thread cable through rear wheel, frame, and front wheel when possible, then cable end loop. Secure cable tip into lock port located on Piston® Pro centerbeam.

CAUTION: Failure to place wheel hook in the correct position can cause your bicycle to eject, and cause personal injury, property damage, or death.

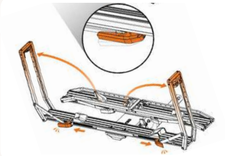


Kuat Piston ION™ - eBike Rack

Please refer to the swing away instructions on previous page for operation.

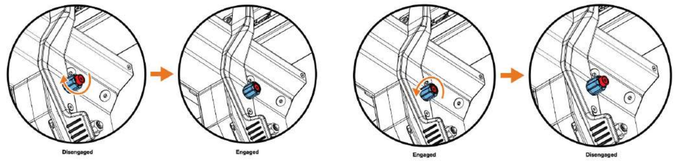
1 Tire Arm Operation

- To open the arms of your ION™ hold the arm levers down while simultaneously pulling each arm up and away from the tray.
- To close your ION tire arms, ratchet the arms back onto the bike tray.



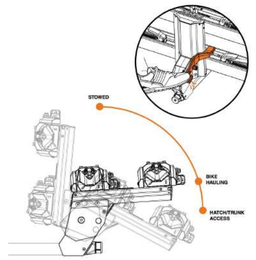
2 Foot Lever Operation

- The ION foot pedal features a Foot Pedal Lock. This will need to be unlocked to use the foot pedal. Spin the knob clockwise to engage or disengage the Foot Pedal Lock.



WARNING: Ensure Foot Pedal is fully engaged with Lever Lock activated when ION is being used. You might need to manipulate the Lever Lock slightly to achieve proper engagement.

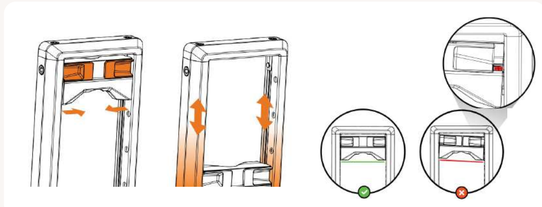
- Use the foot pedal to tilt the rack down from the stowed position to load and haul bikes. Use the foot pedal again to tilt further down to a 45 degree angle for hatch or truck access.



3 Tire Cradle Operation

- Push tabs inward and slide tire cradle up or down tire arm to adjust for measured wheel size.
- Visually ensure tabs are fully secured in notches. Misaligned tabs or tabs not fully secured will show a red warning indicator.

CAUTION: Failure to secure both tabs may result in bikes becoming loose and falling during travel.



4 Tire Arm Placement

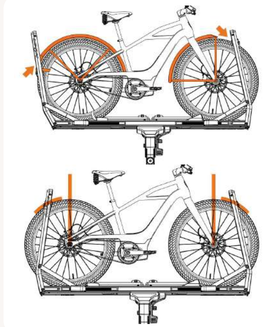
Bicycles with fenders:

- Place tire cradles as close to fenders as possible as shown in the image.

CAUTION: Placement of the tire cradle should be as close to the fender as possible. The use of an added strap for stability will be necessary. Always ensure both tires are properly inated and are not leaking air before transporting bike.

Bicyles without fenders: Place tire cradles as close to the center axis of the tire as possible.

CAUTION: Always ensure both tires are properly inflated and are not leaking air before transporting bikes.



5 Bike Ramp Instruction

To fold down:

A Hold ION lever and open tire arm.

B Pull arm down into negative position.

C Unload selected bike or install eBike Ramp. To install eBike Ramp: Loosen wing knob and expand tray to desired length; re-tighten wing knob and install the bike ramp by resting ramp hooks onto ION tire arm joints.



To fold up:

A Hold the tire arm lever to release the tire arm up.

B Pull tire arm back up into towing, or stowed position.

6 ION Wheel Stabilizers

The ION™ comes with a front wheel stabilizer and Rear Tire Strap kit to help secure extra heavy eBikes and bikes with fenders.

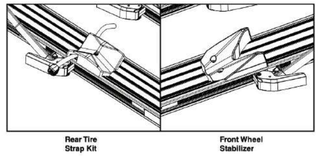
- Load your bike then slide the stabilizers under both front and rear tires.
- Secure stabilizers by tightening front and rear tire stabilizer bolt.
- Secure rear wheel with the Rear Tire Strap:
  - Slide one end of the Rear Tire Strap through the slot in the wheel stabilizer then up, around and through the rear wheel.
  - Feed the end of the Rear Tire Strap through ratchet head.

NOTE: Some tires over 3" wide may require the use of the Küat Strap Extender Kit.

NOTE: Be sure to place the rear tire strap so that it does not make contact with your spokes.

Positioning of the Rear Tire Strap Kit, and Front Wheel Stabilizer only needs to be done once. Re-adjustment would only need done when transporting new bikes with different dimensions.

WARNING: Failure to properly use the Rear Tire Strap Kit may result in bikes becoming loose and falling during travel. Kit must be used with: RVs, bikes weighing over 70lbs, bikes with fenders, bikes with a wheelbase over 53", or whenever off-road.



7 ION Fender straps

WARNING: Bikes with fenders require the use of provided Fender Straps.

If your bike has fenders, secure rear wheel with either the Short or Long Fender Straps. Position D-ring against outside of tire cradle, with self-securing hook and loop side facing outward. Wrap strap around wheel, thread through D-ring and pull back over, securing against the hook and loop side.

NOTE: Use Long Fender Strap for tires 3”- 4.8” Use Short Fender Strap for tires Less than 3.”

8 Securing your bikes with Cable Lock:

- Thread cable through rear wheel, frame, and front wheel when possible, then the cable end loop.
- Insert the Cable Lock key into the lock port located on ION centerbeam and twist the lock open.
- While holding the lock open, secure cable tip into lock port.

Exterior Accessories

These exterior accessories extend beyond the original dimensions of the van. Always allow for additional rear and side clearance when maneuvering, parking, or reversing the vehicle. Before driving, make sure all racks, boxes, mounted accessories, and doors are properly closed, latched, and securely fastened.

Rover Vans Tire Carrier & Ladder Combo (included)

Your van is equipped with the Rover Vans® Rear Combo Ladder & Tire Carrier, so the spare tire is mounted directly onto the rear ladder system instead of underneath the chassis. To remove the spare tire, unscrew the center spinner by turning it counterclockwise, then carefully lift the tire off the carrier. Please note that this system does not include a locking or anti-theft mechanism.

This system also provides convenient roof access using the integrated ladder. When opening the rear doors, ensure the tire carrier swings freely and avoid forcing the doors beyond their normal opening range. Due to the rear-mounted spare tire, allow for additional rear clearance when parking or reversing the vehicle.

Rover Van Roof Rack (included)

Your van is equipped with the Rover Vans® Roof Rack, and the system provides additional rooftop storage and mounting capabilities for accessories and adventure gear. Made of powder-coated aluminum, the rack weighs approximately 70 lbs (32 kg) and supports up to 220 lbs (100 kg) of evenly distributed load.

Rover Vans Accessory Rack

The rack is mounted directly to the rear door hinges and is designed to securely support external accessories while maximizing interior storage space.

It is rated for up to 200 lbs of evenly distributed weight while driving, including mounted accessories and cargo.

Rover Vans Titan Box for Van Rear

The Titan Box features a lockable latch system, an adjustable internal shelf, and a lid that can also be used as an outdoor table.

The Titan Box measures approximately 39.37" × 23.62" × 16.33," and weighs approximately 64 lbs empty. The keys for the lock system are included on the key set delivered with your van.

The total load installed on the accessory rack system, including the Titan Box and its contents, must not exceed 200 lbs while driving.

Rover Vans Tactical Box for Van Rear

If your van is equipped with the Rover Vans® Gear Box, the system provides secure exterior storage for tools, recovery gear, hoses, leveling blocks, and outdoor equipment while keeping the interior of the van clean and organized.

The Gear Box uses a locking latch system and includes two keys provided on the key set delivered with your van. The Gear Box measures approximately 30" wide × 24" high × 15" deep and weighs about 37 lbs empty. The total load installed on the accessory rack system, including the Gear Box and its contents, must not exceed 200 lbs while driving.

The Gear Box uses a locking latch system and includes two keys provided on the key set delivered with your van.

Rover Vans Ski/Snowboard Box for Van Rear

The box can accommodate skis up to 78.7 inches (200 cm) stored vertically. The Ski Box itself weighs approximately 75 lbs (Large version) to 100 lbs (XL version). The total load installed on the accessory rack system, including the ski box and its contents, must not exceed 200 lbs while driving.

The key, along with the spare key for the Ski Box, is included on the key set provided at the time of delivery of your van.

Always ensure the ski box is properly closed and secured before driving. Heavy items should be evenly distributed and properly fastened inside the box to prevent movement during travel. Use caution when accessing the ski box and allow for additional side clearance when parking or maneuvering the vehicle.

Off Road Front Bumper and Winch

If your van is equipped with the CA Tuned Off-Road® Front Bumper and WARN® VR EVO 12-S winch, the system provides additional front-end protection and vehicle recovery capability for off-road or difficult terrain situations. The WARN VR EVO 12-S is a 12,000 lb recovery winch equipped with a synthetic rope and IP68-rated waterproof construction.

The winch remote is located in the passenger door compartment.

> NOTE: the Winch Wireless Controller is NOT waterproof. Exposure to water may damage the controller and affect its performance.

Always inspect the winch rope, hook, and mounting hardware before use. Keep hands, clothing, and loose objects away from the rope and fairlead during operation, and never exceed the rated recovery capacity of the system.

Agile Offroad ARB On-Board Air System

If your van is equipped with the Agile Offroad® ARB On-Board Air System, the integrated compressor allows you to quickly inflate or deflate tires, adjust tire pressure for off-road conditions, or power compatible air tools and accessories.

To use your Agile Offroad® ARB On-Board Air System, start the Noovo Next's engine, then open the hood using the release lever located near the driver's footwell, at the lower left side of the steering wheel. Keep the hood open using the support rod located on the left side of the hood.

Locate the ARB On-Board Air System on the left side of the engine bay, approximately at eye level. Turn ON the small round switch, then connect the air hose (located under your living-room bench) and inflate your front tires as needed. To inflate the rear tires, you will find an additional air outlet at the rear of the van, mounted on the chassis to the left of the hitch, where you can connect the hose.

Always monitor tire pressure carefully during use and avoid exceeding the manufacturer's recommended tire PSI. Allow the compressor to cool between extended uses and ensure all air fittings and hoses are securely connected before operation.

Diode Dynamics LED

To activate the front LED light bar or front pods, use the black switch with a white icon located in the driver cabin, to the right of the steering wheel (near knee level).

The rear pods can be turned ON through your Garmin display in the "Lights" menu, "Exterior tab."

Maintenance

Storage

Storing your van for weeks or months requires proper preparation to prevent damage and maintain its systems. Here's a comprehensive guide to ensure your van remains in good condition during storage.



Exterior Protection

Clean and Wax
Give your van a thorough wash and wax to protect the paint from fading and corrosion. Use a high-quality wax that provides UV protection and seals the paint surface.

Cover
Invest in a weatherproof cover specifically designed for your van. This will shield the exterior from dust, dirt, moisture, and harmful UV rays.

Protect Tires
Inflate tires to the recommended pressure to prevent flat spots and maintain tire shape. Consider using tire covers to protect them from sunlight and harsh weather conditions.

Elevate the Van (Optional)
If possible, elevate the van slightly using jack stands to reduce tire pressure and prevent flat spots during prolonged storage.

Interior Protection

Thorough Cleaning
Completely drain all water tanks, including the fresh water tank, grey water tank, and black water tank. This will prevent water damage and unpleasant odors. (See the following "Winterization" section for further information on how to drain your tanks).

Interior Protection

Moisture Management
Slightly open one or more windows to allow for air circulation and prevent moisture buildup. Remember to secure the windows in a way that prevents pests from entering (use the bug net). Additionally, be mindful of weather conditions and close the windows if heavy rain or strong winds are expected.
Place silica gel packets or moisture absorbers inside the van to prevent humidity buildup and condensation. This will help protect the interior from dampness and potential mold growth.

Battery Maintenance
Disconnect the chassis battery or use a battery tender to maintain its charge and prevent damage from prolonged inactivity.

Pest Control
Use pest-repellent sachets to discourage rodents and insects from entering the van.

Water System

Drain Water Tanks
Completely drain all water tanks, including the fresh water tank, grey water tank, and black water tank. This will prevent water damage and unpleasant odors. (See the following "Winterization" section for further information on how to drain your tanks).

Flush Water System
Run a mixture of water and van antifreeze through the water system to prevent freezing and potential damage to pipes and pumps.

Leave Faucets Open
Slightly open all faucets, including the showerhead, to allow any remaining water to drain. This will help prevent freezing and blockages.

Amenities and Valuables

Empty Your Van
Empty your van of your belongings that could be damaged by the cold or humidity, and of any food that could be eaten by pests. Only keep canned goods and glass containers.

Empty Appliances
Empty all fluid reservoirs, including refrigerator, and waste tanks, to prevent leaks and odors.

Remove Valuables
Remove any personal items, valuables, and sensitive documents from the van to prevent theft or damage.

Store Valuables Securely
If storing personal items within the van, consider using secure storage compartments or lockboxes to protect them from theft or damage.

Secure Windows and Doors
Ensure all windows and doors are securely locked to prevent unauthorized access and protect the interior from weather elements.

Check for Leaks
Regularly inspect the van for any signs of leaks, especially around plumbing fixtures, seals, and windows. Address any leaks promptly to prevent water damage.

Electricity

There are two ways to shut down the electrical system. One is for short-term storage. This could be anywhere from a few days up to a month. Anything longer we recommend going with the second option, which would be long-term storage.

If you plan on using the van more than a few times a month and have a sunny spot for storage go with short-term storage.

Follow these steps:

Short-Term Storage

Outdoor

1. Turn your inverter off using your Garmin display. This will turn off all A/C power.
2. Go to the rear of the van and open the door of the electrical box (passenger side). Inside you will find a black and yellow breaker (See “DC” on the picture). Turn off the 100A black and yellow DC Main breaker to turn off all DC power. This sheds all loads from the system, allowing the solar to keep the batteries charged. If you want to keep the fridge running during short-term storage, you can leave the DC Main on. Note that at night, the fridge will run with no solar backup, decreasing battery percentage overnight but replenishing during the day with sunlight. If leaving the DC Main breaker on, check the battery percentage periodically to ensure it doesn't drain too low.
3. When returning, if you chose to turn the DC Main breaker off, simply turn it back to the ON position to resume system use.

Indoor

1. Turn your inverter off using your Garmin display. This will turn off all A/C power.
2. Go to the rear of the van and open the door of the electrical box (passenger side).
3. Turn the red ON/OFF switch (at the bottom of the opening. See “1” on the picture) to the left to turn off. This disconnects power from the BMS to the distributor.
4. Flip the solar breakers to the down position (“2” on the picture) to turn off solar power.
5. Push and hold the small black push button (at the top left,“3” on the picture) for 3 seconds until the blue light starts flashing. This shuts down the BMS, and the system is now fully turned off.
6. Instructions for restoring power are provided on the next page.

Electricity

Long-Term storage

For long-term storage indoors or out, you should drain the battery to 50%. Storing the battery long-term fully charged can cause damage to the cells and shorten the life of the battery.

To drain the battery simply leave the A/C running as well as lights and fans.

When you get to the desired percentage, follow the steps above (Indoor short-term storage) to shut down the system.

Disconnect Shore Power
Disconnect the van from shore power to prevent electrical hazards and unnecessary power consumption.

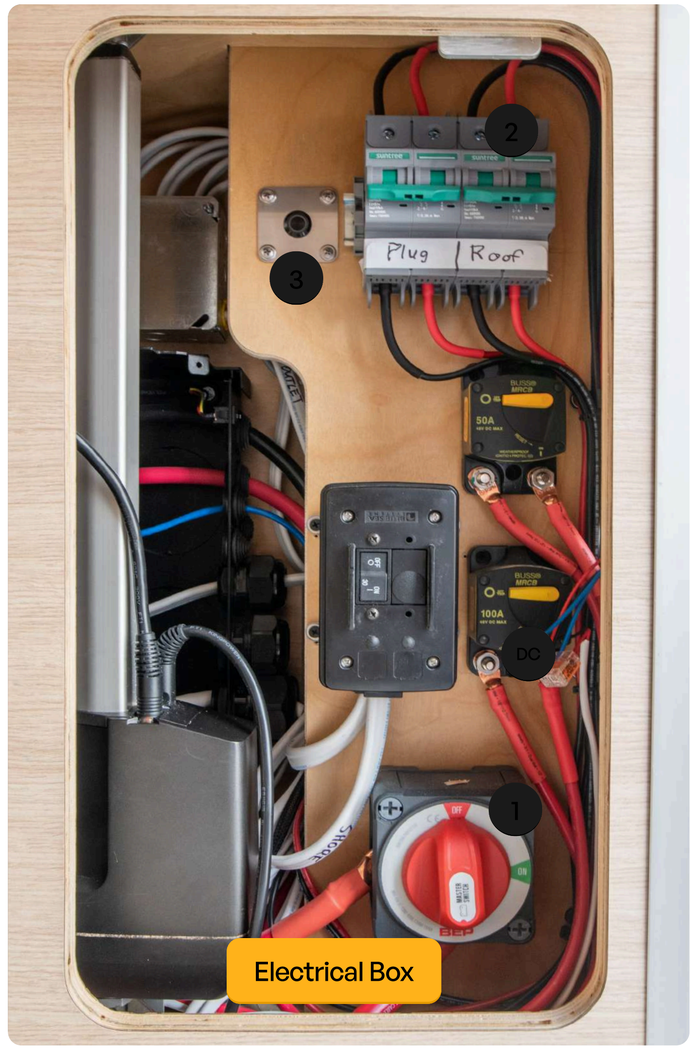
Unplug Appliances
Unplug all appliances and electronics to prevent power drain and potential damage from surges.

Cover Electrical Outlets
Cover electrical outlets with tape or plastic covers to prevent dust and moisture intrusion.

By following these tips, you can ensure your van remains in good condition during storage and is ready to use whenever you need it.

To turn the system back on

1. Push and hold the black round switch (3) for about 3 sec till you hear a click and the blue light on the button comes on.
2. Turn on the (red) master switch (1) to the right (ON).
3. Flip handle for the solar breaker upwards (2).
4. Turn on inverter on touch screen.



Winterization

(Without Antifreeze)

Winterizing your van is crucial to prevent damage and ensure proper functionality during the colder months. Here's a comprehensive guide to winterizing your van.

Water System

Empty your Fresh Water Tank

We suggest using faucets and showers to drain your fresh tank. Drain hot, cold and drinking tap. Clearing out hot water wil also protect your Rixen's system. Turn on the water pump until the water stops running from all faucets, then turn the pump off. Do NOT close the faucets.

Remove Water Filters

Remove and empty your filter canisters, leaving them disconnected.

Drain the Pre-Pump Filter

Remove the pre-pump filter cap located in the water box ("PPF" in the picture) and empty the water from it. This can be reinstalled after emptying. Simply twist the cap off and allow it to drain. NOTE: Screen filter may fall out.

Empty your Gray Tanks

Turn the black Valterra cap counter clockwise to remove it, and pull the valve handle to release the fluid. Make sure you are dumping in a designated area.

NOTE: Most truck stops and RV parks offer a safe dumping location.

Store Hoses

Drain and store any hoses used for filling or draining the water system. Protect them from freezing or damage by keeping them indoors or in a temperature-controlled storage area.

Electrical System

Please follow recommendations mentioned in the Storage - Electricity

- Long-term storage section above.

Parking in Freezing Conditions

When parking overnight in freezing conditions, remember that freeze damage can and will happen.

We recommend using your tank heater and setting your Rixen's Furnace to about 60º F (15.5º C). To turn your tank heater on, push the round metal switch on the right of the panel above the sliding door, next to your furnace screen. It will light up red when activated.



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Heater-related emergencies:
Call Rixen’s Heaters. 503.668.6090

Chassis-related emergencies:
Call Mercedes Customer Service. 800.367.6372







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PREMIUM VANS

Thank you for joining the Noovo family. Wishing you a safe and joyful journey.













