

Vistabule

USERS GUIDE





WARRANTY

Vistabule Teardrop Camper Trailer

Two year limited warranty

SUMMARY OF WARRANTY:

Minnesota Teardrop Trailer LLC, here in after referred to as Vistabule warrants every towable recreation vehicle to the first retail consumer for a period of two (2) years from the date of purchase under normal use and service, when used for its intended purpose of recreational Travel and camping, that all parts manufactured by Vistabule are free from substantial defects in material and workmanship. This warranty begins on the date the first retail consumer purchaser takes delivery. This warranty may be transferred only once during the warranty period, with a proper application and a \$100 processing fee. Contact Vistabule for details.

EXCLUSIONS:

- (1) This warranty does not apply to items added or changed or modified after the vehicle left the possession of Vistabule.
- (2) Any vehicle used for commercial purposes (including rental fleets).
- (3) Normal wear and usage, such as fading or discoloration of soft goods (upholstery, drapes, screens, cushions, mattresses), fading or discoloration of wood, plastic or fiberglass components, tarnishing of aluminum or stainless steel surfaces, tears, punctures, soiling, mildew, effects of moisture condensation inside the vehicle, or mishandling, neglect, abuse, misuse, lightning or other acts of nature, or corrosive atmospheres which can result in rusting, oxidation or pitting.
- (4) Minor imperfections, which do not affect the suitability of the vehicle for its intended use.
- (5) Normal and routine maintenance such as inspections, lubricating, adjustments, tightening of screws, tightening of lug nuts, scaling, cleaning, or damages arising from the failure to have maintenance performed or improper storage as outlined in the owner's manual and/or the component manuals.
- (6) Wheel alignment or adjustments to axles when caused by improper maintenance, loading or damage from road hazards, including off road travel, wheel damage or balancing, or damage resulting from tire failures.
- (7) Costs incurred for onsite service, transportation of the vehicle to a dealer or costs incurred as the result of the consumer's request to have repairs performed at a location other than an authorized dealership.
- (8) Tires, Batteries, Television and DVD players that are supported by other established dealer network and warranty repair locations. The written warranty that is provided by component manufacturers is a direct responsibility of that manufacturer.

VISTABULE'S RESPONSIBILITY:

Any part of the vehicle subject to warranty, which is found to be defective in material or workmanship, will be repaired or replaced at Vistabule's option without charge to the customer for parts or labor. If the customer has moved or is touring the United States or Canada, please contact Vistabule prior to obtaining service or purchasing parts.

HOW TO OBTAIN WARRANTY SERVICE:

In the event that a substantial defect in materials or workmanship is found to exist in parts warranted by Vistabule, Vistabule will bear the cost of the repair or replacement of such defective materials or workmanship, provided that the owner: (A) Notifies Vistabule of the defect in a timely manner, (If you are traveling or have recently moved, contact Vistabule by calling 1-612-808-5974.) no later than 10 days after the expiration of the warranty. (B) Follows instructions from Vistabule on how to get approved repairs. (Vistabule will determine if there is an authorized service center within reasonable distance of the owner. If there is not an authorized service center near the owner, the owner will be required to get two written estimates, from any local RV dealer or RV service station, for the required repairs.) (C) Schedules an appointment and promptly takes the vehicle to the authorized service center for necessary repairs. (D) Pays any freight or transportation costs, or import duties or fees involved. No action to enforce this warranty shall be commenced later than three (3) months after expiration of the warranty period. If the above steps have been taken and the repairs still have not been made, the customer should contact Vistabule, 755 Prior N. Ave., Suite 111, St. Paul, MN 55104 Attn: Customer Relations.

PURCHASER'S OBLIGATIONS:

Purchaser shall notify Vistabule and deliver this vehicle for warranty service within a reasonable time after discovery of the defect and in no event later than ten (10) days after expiration of the warranty period. All incidental and consequential expenses incurred by Purchaser in obtaining warranty service shall be borne by Purchaser. No action to enforce this warranty shall be commenced later than three (3) months after expiration of the warranty period.

CARE AND MAINTENANCE:

It is the Purchaser's responsibility to perform the care, maintenance and assure correct load distribution as outlined in the Vistabule owner's manual. Other, separate manuals outline additional component care and maintenance. Please review all manuals supplied with your unit, and contact Vistabule if you have questions. Any damage to the vehicle as a result of the Purchaser's failure to perform such care, is not covered by the Vistabule warranty.

INSTALLATIONS NOT COVERED:

Vistabule cannot and does not accept any responsibility in connection with any of its towable products, for additional equipment or accessories installed at any dealership or other place of business, or by any other party other than Vistabule. Installation of equipment or accessories installed by any other party other than Vistabule will not be covered under the terms of Vistabule's limited warranty.

PARTS AND DESIGN CHANGES:

Vistabule may make parts and design changes from time to time without notice and repair and replacements may be made with new or different parts. Vistabule reserves the right to make changes in the design or material or its products without incurring any obligation to incorporate such changes in any product previously manufactured.

DISCLAIMER OF CONSEQUENTIAL AND INCIDENTAL DAMAGES:

You and any other user of Vistabule products shall not be entitled to any consequential or incidental damages, including without limitation, loss of use of the unit, inconvenience, lodging, damage to personal property, alternate transportation, phone calls, meals, lost income or earnings. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

DISCLAIMER AND LIMITATIONS OF IMPLIED WARRANTIES:

Vistabule does not authorize any person to create for it any other obligation or liability in connection with the vehicle. Any implied warranty of merchantability or fitness for a particular purpose applicable to this vehicle is limited in duration to the duration of this written warranty. The performance of repairs is the exclusive remedy under this written warranty or any implied warranty. Vistabule shall not be liable for incidental or consequential damages resulting from breach of this written warranty or any implied warranty. Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

All inquiries regarding this Warranty should be sent to:

Vistabule
755 North Prior Ave
Suite 111
St. Paul, MN 55104
Telephone: 1-612-808-5974



SCOPE AND CONTACT

USER GUIDE SCOPE

- This user guide is current for all trailers produced after 9/1/2025
- This guide is intended to show new owners how to operate a Vistabule trailer—this is not intended to be a full documentation of Vistabule parts, design or build
- Earlier versions of this trailer are NOT covered in this guide, although many of the components work similarly
- Some earlier components may have different maintenance schedules and needs
- Any questions about earlier versions can be asked by contacting Vistabule directly

CONTACTING VISTABULE

- Phone: (612) 808-5974
- Email: info@vistabule.com
- Address: 755 Prior Ave N #111, St Paul, MN 55104
- Standard Hours: Mon–Thu: 8AM–4PM CST
- Website: <http://vistabule.com>

A WARM WELCOME FROM OUR PRESIDENT

Bert Taylor, Vistabule Teardrop Trailers

WELCOME TO THE VISTABULE FAMILY!

Congratulations on your new Vistabule Teardrop Trailer. Whether you're embarking on your first adventure or you're a seasoned traveler, we are thrilled to be part of your journey. At Vistabule, we don't just build trailers—we help create memories that last a lifetime. We believe that adventure is more than just a destination. It's about the experiences along the way—the quiet moments in nature, the joy of discovery, and the memories you create. With your new Vistabule, you'll have a home on wheels that will accompany you through all these moments, offering comfort, durability, and the craftsmanship we are so proud of.

BUILT FOR THE JOURNEY

Each Vistabule trailer is built by hand with attention to detail, ensuring that it is ready to accompany you wherever the road takes you. Designed to handle the toughest conditions while offering a cozy, inviting interior, your Vistabule is more than just a trailer—it's a home away from home. Whether you're enjoying the peace of nature or sharing a meal with friends at the campsite, your trailer is built to enhance every moment of your adventure.

OUR COMMITMENT TO YOU

At Vistabule, we take pride in more than just building great trailers. We are committed to exceptional customer service, ensuring that you have the support you need throughout your ownership experience. Our team is here for you, ready to answer questions, offer guidance, and help with any updates or maintenance your trailer may need. You're not just buying a trailer; you're joining a community. We take our relationship with every Vistabule owner seriously, working hard to deliver the best experience possible. Your satisfaction is at the heart of everything we do.

TOGETHER, WE THRIVE

Vistabule is built on the belief that we are better together. Our values of craftsmanship, integrity, and community are at the core of everything we do. We value our relationship with you as much as the trailers we build, and we strive to make every interaction with our team a positive one.

WELCOME TO THE ADVENTURE

As you set out on this new journey, remember that you're part of the Vistabule family. We're excited to see where your adventures take you and look forward to hearing your stories from the road. Thank you for choosing Vistabule. We're honored to be part of your adventure.

Warmest regards,

Bert Taylor

President, Vistabule Teardrop Trailers

"Great People Making Great Products for Great People"

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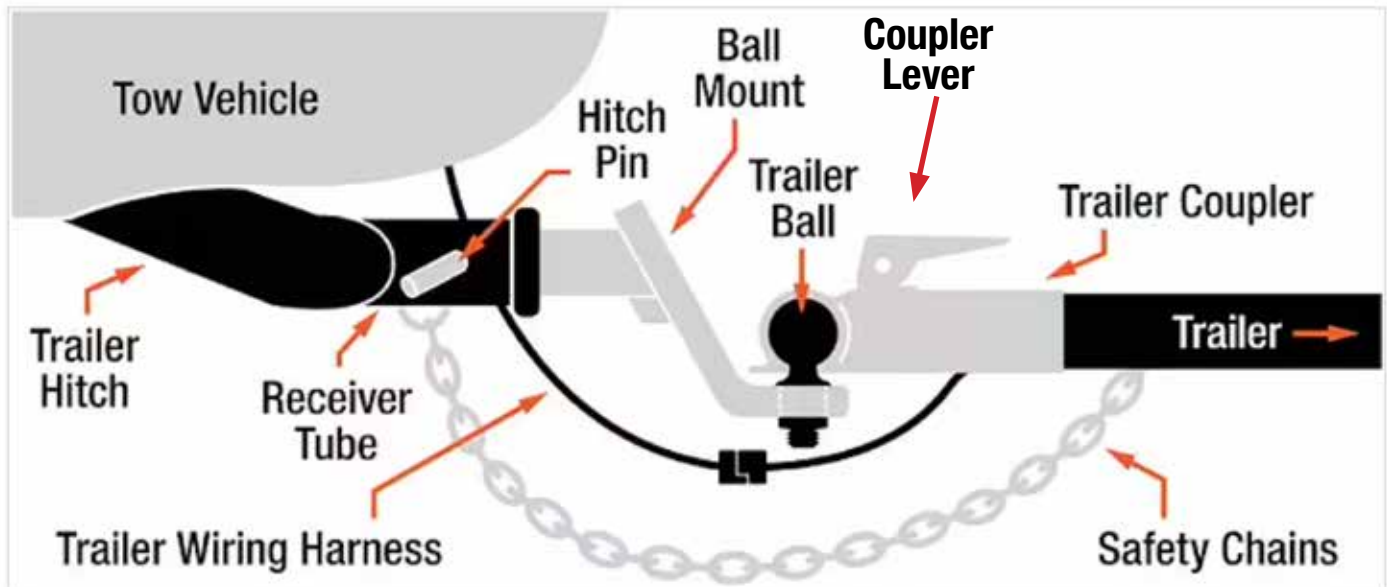
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HITCHING

HITCH COUPLER COMPONENTS



TRAILER HITCH

The connection between the tow vehicle to the hitching assembly. Your vehicle may already have this installed, or you may have it installed with an aftermarket trailer hitch

RECEIVER TUBE

Holds the ball mount, Recommended that the insert should be at least 2"

TRAILER WIRING HARNESS (7 PIN CONNECTOR)

This connects the electrical wiring between the tow vehicle and the Vistabule. The wiring controls the signal and running lights, braking and provides additional battery charging

HITCH PIN

Secures the ball mount to the receiver tube, You can either buy a standard pin with a cotter pin to secure it, or buy a locking pin with a keyed lock. For 2" hitches, standard size is 5/8"

BALL MOUNT

Connects the trailer ball to the hitch by sliding into the receiver tube, Also provides the drop or rise for the proper ball height (you can buy different ones for different heights)

TRAILER BALL

The connection point between the tow vehicle and the Vistabule. The trailer ball should be 2" in diameter

COUPLER LEVER

The connection point between the tow vehicle and the Vistabule

TRAILER COUPLER

The connection between the receptor and the trailer

SAFETY CHAINS

Connects to the trailer hitch. Acts as a backup in case the trailer ball connection fails

STANDARD TRAILER JACK

The standard tongue jack is the ARK 350

The upgraded ratcheting jack (ARK 350R) is covered on the next page

T



STEP 1: UNLATCH

- Pull on blue handle
- Wiggle jack until you hear it unlatch



STEP 2: ROTATE

- Rotate the jack clockwise
- When it is vertical it should latch with a click
- Insert handle on the top spindle and crank



FOR STOWING

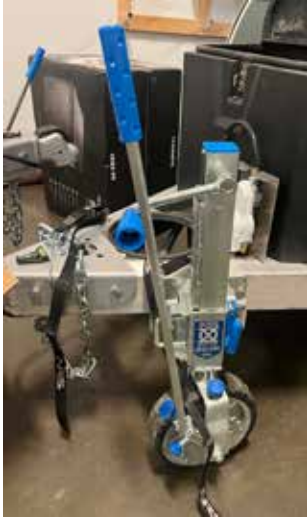
- Just reverse the steps
- Pull on blue handle
- Rotate jack counterclockwise
- Hear the jack re-latch in the stowed position



**VIDEO LINK: Trailer Jack -
Page 96**

RATCHETING TRAILER JACK (ARK350R)

If your Vistabule has the ARK350R upgrade, here are the instructions for operating the ratchet feature



RATCHET HANDLE

- Insert the long handle into the socket close to the wheel
- To release the wheel, set both blue knobs to N (Neutral) facing each other
- Move the Vistabule by pushing with one hand on the top of the jack and the other on the long handle, to steer the Vistabule

To release the handle, pull the blue knob next to the socket

OPERATING THE RATCHET

- To use the ratchet, set both blue knobs by pulling them out and turning them so that the letter (F / R) face each other (Forward / Reverse)
- R for Reverse or F for Forward. (The other actions were taken with the knobs set to N for Neutral)
- Even though it sounds contrary, "F" moves the trailer back as if backing the trailer. "R" moves the trailer toward the tongue
- After setting the knobs, move the handle up and down to use the ratchet to push the trailer.
- To lock the ratchet, set the knobs so that the lock icon face each other (R for the ratchet knob, F for the wheel knob)

HOW TO HITCH (STEPS 1 & 2)



STEP 1: MANEUVER

- Keep the Vistabule tires fully chocked
- Crank the trailer jack up so that the receptor is higher than the ball
- Flip the receptor latch to the up position
- Back up tow vehicle so that the ball is under the receptor
- Alternately, pull the trailer to the ball (this is a good method if uncomfortable backing up the tow vehicle)

STEP 2: LOWER TRAILER

- Crank the trailer jack down to lower the receptor to the ball
- You should hear a latching sound as the ball is seated in the receptor
- Once the ball is firmly seated and the jack wheel is lifted off the ground, close the receptor latch by shifting it down



HOW TO HITCH (STEPS 3 & 4)



STEP 3: STOW TRAILER JACK

- Pull the trailer jack latch handle (blue)
- Rotate it 90 degrees so that the wheel is pointing away from the ball
- Confirm jack is latched when ratcheted up by shaking or wiggling it



STEP 4: CONNECT CABLES

- Attach the safety chains by crossing them and latching them to the ball mount
- You may need to additionally twist the chains to eliminate the slack
- Connect the 7-pin cable to the socket of the tow vehicle
- Triple check to make sure the receptor latch is down and the hitch pin is inserted

VIDEO LINK: Trailer Tongue - Page 96



TOWING

PRE DEPARTURE CHECKLIST

- Once the trailer is hitched, go through this list to make sure everything is secured before driving away
- If you have any questions on how to do any of the tasks listed below, find the item in the table of contents to look up specific instructions

WINDOWS AND EXTERIOR

- Roof MaxxFan is down and closed
- Rear hatch is shut and locked
- Front vents are shut
- Door windows and portholes are shut
- Front window shade is up
- Milky Sliding Doors are secured with the slider stick to keep pass-through view open

DOORS & REAR GALLEY HATCH

- All door knobs properly shut
- All quarter turns are properly shut (1/4 turn clockwise)
- All locks are locked
- No bedding or other objects are caught in the doorframe

POWER & PROPANE

- All inside lights are off
- All hoses and cords have been packed up
- Cover for shore power connection has been secured (it can pop out)
- Propane valve is gently but fully closed
- Propane tank and hose secured
- Keep main power on for the Autowbrake controller, refrigerator and detectors

WATER

- Water pump switch turned off
- Water hoses disconnected and water access panel is closed
- Grey water tank drain valve is shut

WHEELS

- Wheel chock removed and stored
- Check for tire pressure
- Check tire pressure valve stem and cap

CARGO & LOOSE ITEMS

- All items are secured in inside cabinets
- Items in galley are secured
- If stowing items in cabin, distribute weight evenly (heavy items are best loaded close to the headboard)
- Check underneath trailer for any items

HITCH

- Chains have been crossed
- Coupler locking pin has been inserted
- 7-pin is plugged in and tightly secured, clicked in by the flange at the socket
- Tongue box is closed and secured
- Check trailer brake lights and blinkers work (hazards, running, brake)
- Check that the trailer jack is properly secured and handles have been removed from the jack

VIDEO LINK: Preparing for Travel - Page 96

DRIVING WITH THE VISTABULE

Experienced or not, owners should practice towing much like how they learned to drive—start in a parking lot, graduate to a quiet street then busy streets and highways.

SPEED

- Drive at a manageable speed
- Accelerate slowly—take it easy when pulling away from a stop to avoid strain on the towing vehicle
- Driving slower is safer—gives more time to turn, brake and react
- Give yourself 5 or more seconds of space between you and the vehicle ahead. The extra weight increases your stopping distance, especially downhill or in wet conditions

TURNING

- Make wider turns – trailers track inside your vehicle's path, so take turns wider to avoid curbs and obstacles
- Turn slowly and gradually, avoiding sway or jackknifing

BRAKING

- Allow more stopping distance – trailers increase your stopping distance significantly, so brake early and gently
- Apply brakes gently and intermittently to avoid swaying and overheating
- Adjust the trailer brake controller for optimal braking force
- Shift into a lower gear to help slow the vehicle, especially on long downhill grades. This reduces the strain on your brakes and prevents overheating

CLIMBS & DESCENTS

- Use lower gears to control your speed and reduce reliance on brakes
- On descents, use intermittent braking rather than keeping your foot constantly on the brake. This helps prevent brake pads from overheating
- Drive in the right lane or designated truck lane whenever possible
- Utilize turnouts to let faster vehicles pass you
- Don't be afraid to drive slower than surrounding traffic or the speed limit—turn on hazard lights if you're in this situation

HOW TO BACK UP WITH THE VISTABULE

STEP-BY-STEP

- Drive to a spot some distance away from your trailer parking spot—give yourself plenty of room
- Put your vehicle in reverse while putting your foot fully on the brake
- Release the brake slowly and start backing up.
- Keep your speed very slow and go just a few feet at a time
- Make small, gradual adjustments to the steering wheel. Severe turning can cause the trailer to jackknife
- If the trailer starts to go off course, steer in the opposite direction you want the trailer to go. For example, if the rear of the trailer is moving to the right, turn the steering wheel right to bring it back in line
- Use your mirrors to monitor the trailer's position and adjust your steering as needed
- Regularly check both sides of the trailer to ensure that the trailer is aligned correctly and avoid obstacles
- As you approach the desired position, straighten the trailer by aligning the steering wheel with the vehicle
- Stop the vehicle and make any final adjustments if needed

ADDITIONAL TIPS

- Before you start backing up, think about where you want to end up, plan your path and take note of any potential obstacles
- The trailer will go in the opposite direction of your steering wheel
 - If you turn the steering wheel to the right (clockwise), the trailer will go left (driver side)
 - If you turn the steering wheel to the left (counterclockwise), the trailer will go right (passenger side)
- If available, use a spotter outside the vehicle to guide you. They can help direct you and warn you of any obstacles
- Practice, practice, practice! Find a safe, open area like an empty parking lot to build your skills and confidence
- Don't panic! If you make a mistake or get off course: Stop, Assess, Continue.

TIRES



USEFUL TIRE TOOLS

- Vehicle jack (bottle or scissor) rated to at least 2000 lbs
- Lug wrench—standard wrench with a $\frac{3}{4}$ " hex socket will work. Even better is a $\frac{3}{4}$ " torque wrench that can be set at 100 lbs / ft torque
- Tire pressure gauge
- Air pump—there are many battery operated pumps on the market and are incredibly handy and don't take much room

INSPECTION

- Use a reliable tire pressure gauge to check the tire pressure before each trip and at least once a month, especially during weather temperature changes
- Inflate tires to the pressure recommended by the trailer manufacturer, based on the sticker on the driver's side of the tongue frame
- Inspect your tires before each trip and at least once a month. Look for signs of wear, uneven wear, cracks, bulges, or embedded objects
- Use a tread depth gauge or insert a penny into the tread with Lincoln's head upside down; if you can see the top of Lincoln's head, it's time to replace the tires
- Measure your air pressure when the tires are cold (that is, before you drive with the Vistabule, not afterwards)
- Overinflated or underinflated tires can lead to uneven wear and blowouts
- Even if the tires appear to be in good condition, they should be replaced every several years due to rubber degradation

CHANGING TO A SPARE TIRE



SPARE TIRE

- Located underneath the tongue (front) of the trailer
- Make sure the pressure on the spare tire is maintained
- To remove the spare tire:
 - Remove the cotter pin
 - Loosen the large wing nut
 - Remove the retaining plate
 - The tire should slide out

CHANGING A FLAT TIRE

- Use a jack to raise the trailer by putting the jack on the axle itself, as close to the tire that's being changed to prevent teeter-tottering
- Use the lug wrench to loosen the lug nuts on the tire, and slide the tire off
- Remove the spare tire from under the tongue by loosening the wing nut
- Put the spare tire on the wheel and tighten the lug nuts
- Go to a nearby tire or trailer shop for repair or find a permanent replacement for the flat tire

BRAKES



AUTOBRAKE CONTROLLER

- Current Vistabules will have an Autowbrake controller installed and controls set at the factory
- The physical controller is located in the electrical compartment
- Owners should not need to make any additional adjustments as long as it is not relocated
- Refer to the Autowbrake manual for any issues
- If you have a third party brake controller besides the Autowbrake, refer to its manual for instructions how to install and adjust the controller



DO THE BRAKES NEED TO BE ADJUSTED?

- Vistabule brakes are self-adjusting and should NOT need any manual adjustments
- Older models may need to be adjusted—contact Vistabule if you have questions regarding the performance of the brakes



CAMPSITE

SETTING UP CAMP



LEVELING THE VISTABULE

- Use the level tool on the trailer tongue showing whether the Vistabule is level from back to front and from side to side
- If the Vistabule is not level side to side (a little is OK) use leveling chocks
- Put the larger chock behind the wheel on the low side. Use the vehicle to back up onto the chock until the Vistabule is level, then chock the front of the tire with the other chock

UNHITCHING (REVERSE STEPS OF HITCHING)

- Make sure the wheels are fully chocked
- Put the trailer jack wheel down
- Put the bar and handle onto the jack and crank the wheel clockwise to lower the wheel to the ground.
- Unhook the chains and the 7-pin connector, and stow them
- Unlock (if lockable) and take out the coupler pin
- Lift black coupler retainer latch
- Raise the trailer tongue by cranking on the trailer jack until uncoupled—you should hear a clank sound when it detaches
- Put down black coupler latch
- Put coupler pin back
- Drive the towing vehicle away from the Vistabule
- Lower the trailer tongue by cranking on the trailer jack counterclockwise until it is level (use the level tool on the trailer tongue)



SECURITY

- If you are going to be leaving the trailer on a campsite or at home where it might be at risk of being stolen, you can use external locks
 - Coupler lock which fits inside and surrounds the trailer hitch receptor
 - Wheel locks fit around a tire
- Contact Vistabule if you have questions about hitch and wheel lock compatibility
- Lock all door handles
- Consider using an Apple Airtag as a tracking device in case of theft
- No lock is 100% secure—however, the more visible levels of security, the better

CAMPING WHILE TOW VEHICLE IS ATTACHED

- If you keep the tow vehicle attached while camping
 - Disconnect the 7-pin wiring harness so the Vistabule won't drain the tow vehicle battery
 - You could use the trailer jack for additional support—but don't forget to stash it before driving again

AWNING



AWNING KIT

- Two awning rails (approximately six feet long), to be installed on either side of your trailer above the doors and just below the roof edge trim
- The awning fabric
- A hoop pole (smaller diameter pole)
- Two adjustable poles for supporting the outside edge of the awning
- Two ground stakes and two 15-foot guy lines
- Seam sealer

AWNING



ATTACHING AWNING TO TRAILER

- Slide the awning into the awning rail using the rope bead (the larger edge of the awning fabric)
- The fabric should have the shiny fabric facing up
- When sliding in the fabric, start from towards the front end and work it towards the back
- Center the fabric within the rail when sliding
- Release the shock cord loops from the awnings and unroll the awning fabric

VIDEO LINK: Awning - Page 96

AWNING



SET UP THE HOOP POLE

- Assemble the hoop pole (which is the longest pole)
- Slide one end of the hoop pole through the small sleeve that is in the center of the outside edge
- Continue to slide the hoop pole through about 5 feet or so
- Find the sleeve on the left (front) side of the awning, and insert the hoop pole into that sleeve
- Move the end of the pole above the trailer sidewall and extend it about 5 feet, which will give you some room as you work your way around the other side
- Flex the pole and slide the hoop pole into the right sleeve (rear) of the awning until the tip reaches the trailer
- Insert the tip of the pole into the rail on each side

VIDEO LINK: Awning - Page 96

AWNING



SET UP THE SUPPORT POLES

- Add the other poles by inserting the tips of the poles into the grommets in the corners of the awning
- Stand the poles up vertically
- Put the guy lines over the tip
- Stake the guy lines to provide additional tension on the support poles
- Adjust the support pole height to provide clearance to fully open the door
- **IMPORTANT:** Shut the front vent on the same side of the awning in bad weather (the water from the awning will drain on that side)

TAKING THE AWNING DOWN

- Release the hoop pole from the awning rail, and extend some of the pole length out over the windshield area of the trailer to release the tension
- Roll up the awning and secure it with the toggles, slide it out of the rail, and pack things up
- **NEVER** travel with awning in track

VIDEO LINK: Awning - Page 96



PROPANE

PROPANE

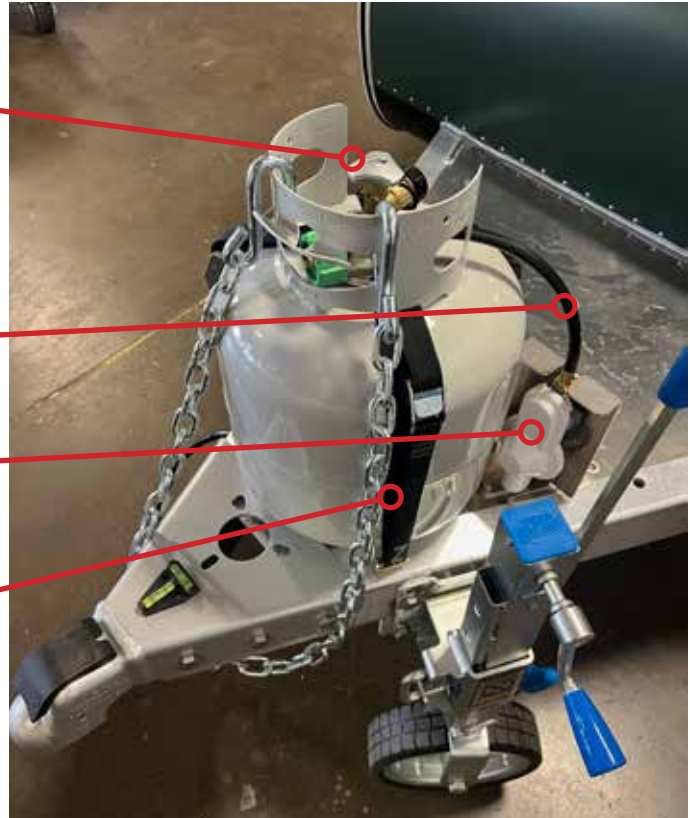
The propane tank fuels the RV furnace and the galley cooktop

Valve Knob

**Connector Hose
("Pigtail")**

Regulator

Strap



SECURING THE PROPANE TANK

- Use the straps to attach the propane tank to the trailer, securing on the buckle
- Press metal tab on the buckle to release strap
- When connecting the hose, make sure it is turned all the way clockwise

PROPANE TANK VALVE

- Turn knob counterclockwise to open, clockwise to close
- Open the valve slowly—if turned too quickly, it may shut the propane regulator
- If that happens, try disconnecting and reconnecting the hose to reset the regulator
- Always keep the tank valve closed while towing

PROPANE LEVEL

- Several ways to determine how much propane is left
 - Buy an external gauge, either inline with the hose or external sticker that can be applied to the tank
 - Pour hot/boiling along the side of the tank—the condensation will show where the propane level is
 - Weigh the tank

PROPANE TANK WEIGHT

- Empty weight = 22 pounds
- Full weight = 37 pounds



CLIMATE

CEILING FAN

The Vistabule has a MaxxFan ceiling fan, which helps with cooling and ventilation



Open/Close Vent

**Fan Icon Buttons
Control Fan Speed**

**+/- Controls
Temperature for
Auto Mode**

**Fan Direction
(In/Out)**

OPERATING THE MAXX FAN

- Make sure the main power switch is on (in the galley)
- Control the fan by using the buttons either on the inside corner of the fan panel opening or by using the remote control
- The fan vent can be opened without running the fan, either by turning the black knob (manual) or by using the button on the remote (picture of the vent on the button)
- The fan speed can be increased/decreased in 10% increments

TIPS

- You can run it fast to rapidly ventilate the cabin, (for example, when first setting up camp after driving in hot weather)
- To preserve power, you can generally run the fan at low speeds (10-20%) and it will do a great job of exchanging fresh air

FRONT VENTS



Handle
(press the inside to
unlatch)

FRONT VENTS

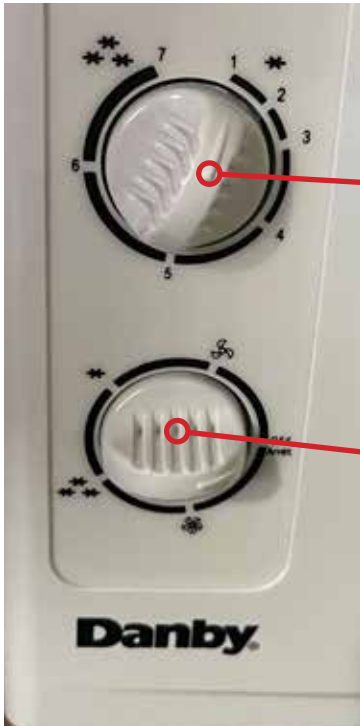
- This pair of vents (found on the front left and right corners of the cabin) are extremely useful for managing fresh air ventilation
- Opening the front vents along with the ceiling vent, the air in the cabin will circulate even without the fan on
- When opened, the handle is in the down position—the outside of the vent will be sheltered by the cover (useful when it rains)

VENTILATION TIPS

- Blowing the MaxxFan up/out will be more efficient at getting rid of hot/stale/humid air
- Running the MaxxFan will help control condensation especially in colder weather.
- Open the windows for more general ventilation
- Close all vents before driving—keeping the vents open will bring a lot of dust into the cabin while you're driving, especially on gravel/dirt roads
- Vent can be closed from the outside by shutting the cover

AIR CONDITIONER

The Vistabule can be equipped with a 5000 btu air conditioner which will operate like any standard home window unit



Thermostat

(7 = coldest, 1 = warmest)

Power and AC Setting

AC with high fan (3 snowflakes)

AC with low fan (1 snowflake)

High fan only (5 blade fan)

Low fan only (3 blade fan)

RUNNING THE AIR CONDITIONER

- The air conditioner can only run with shore power (i.e. when the Vistabule is plugged into a 120 volt outlet)
- The main dial turns on the air conditioner and chooses the fan level and air conditioner strength
- Waves on the dial = fan only. More waves = stronger fan
- Snowflakes on dial = air conditioning cooling. More snowflakes = stronger fan
- Thermostat dial—turn it fully to run continuously (the setting with multiple snowflakes)
- Given the relative compact space inside the cabin, the AC may only need to be run for a couple of minutes at a time—you can run it on demand
- The air conditioner has a washable filter—check and clean occasionally for optimal airflow

FURNACE

The Vistabule has a Propex RV furnace that blows into the cabin from the middle of the back panel (above the air conditioner)



TURNING ON THE FURNACE

- Open the propane valve at the tank
- The main 12 volt power switch in the galley must be turned on
- The Propex control panel is on the headboard of the cabin, next to the furnace vent and air conditioner
- Press the button with the gas flame icon
- To control the thermostat (target temperature), click on the up/down arrow buttons to set the desired temperature, which will show on the display
- To set the timer, click the globe button multiple times to set the run time

RESETTING THE FURNACE

- If the furnace panel blinks with a red light, it means the furnace has faulted out
- The blinking pattern will indicate what kind of fault it is (consult the furnace manual for specifics)
- The reset switch is on the middle right corner of the panel. Simply hold down the reset button until the message clears

MANAGING AIR QUALITY



VENTILATION / FRESH AIR

- By opening the front vents and the ceiling vent (manually, no fan), air will naturally flow from the front to the top
- Open the door windows and portholes for more general cooling
- Blowing the fan up/out will be more efficient at getting rid of hot/stale/humid air
- Opening the ceiling vent (even without the fan on) will help vent excessive heat and humidity (hot humid air rises)

TEMPERATURE

- When using the furnace or air conditioner, heating or cooling the cabin may only take a few minutes, given the compact size of the Vistabule
- Shade will help keep the Vistabule cool in the summer, but the shade may limit the solar panel



WATER

WATER SOURCES

The water for the Vistabule can come from 2 different sources—a 9 gallon fresh water tank, or alternately a standard hose can be connected to a outdoor faucet



Fresh Water Connection

City Water Connection

FILLING THE FRESH WATER TANK

- The water access panel is on the left side of the Vistabule, towards the back
- Put a fill tube or funnel in the left intake (fill tube included in the Vistabule starter kit)
- Fill the tank with water, either from a jug or from a trickling hose

CONNECTING CITY WATER

- Connect the hose to the connector (right side of the water access panel)
- Always use an RV water pressure regulator (available online or in RV supply stores)
- Campsite water faucets can have extreme pressure, which could damage the water system



Diverter Valve

Vertical = Fresh Water Tank

Horizontal = City Water



Water Pump Switch

DIVERTER VALVE BETWEEN INTAKE AND CITY WATER

- The valve is under the sink, next to the drain
- Make sure the valve is set correctly before turning on the water pump (see above for settings)

TURNING ON THE WATER PUMP

- Make sure the 12 volt master power switch is turned on
- Turn on the water pump switch (the driver side black rocker switch underneath the pass-through window, which will turn on with a blue light)
- If the water pump runs continuously, try filling with more water until the pump stops
- Turn off water pump when not drawing water

GRAY WATER TANK



DRAINING GRAY WATER TANK

- Under the Vistabule towards the right rear side, the drain is a clear PVC tube with a black knob valve
- Catch the water in a tub or bucket, which can be disposed properly down a city sink or a RV dump station
- DO NOT DUMP GRAY WATER DIRECTLY ONTO BARE GROUND OR PAVEMENT
- Raising the trailer jack can be use to tilt the tanks to get them to drain more completely

NEED TO WINTERIZE

- If your trailer is stored in subfreezing temperatures, the water system needs to be winterized to prevent plumbing damage from expanding freezing water



ELECTRIC

CONTROL PANEL



Water Pump Switch

**12 Volt
Power Outlet**

**USB 5Volt
Power Outlet**

VIDEO LINK: Electrical Overview - Page 96

**120 Volt
AC Outlets**

Power Main Switch

Controls all 12 volt circuits

Battery Monitor

(Can also use VictronControl App)

**For more information about Circuit Breakers
See Page 46**

VIDEO LINK: Electrical Overview - Page 96

BATTERY

- The onboard battery provides power to all 12 volt and USB outlets on the trailer, including lights and appliances like the ceiling fan, furnace controller, cooktop starter and the Dometic refrigerator
- The battery does NOT power the 120 volt house standard outlets.

BATTERY TYPES

Your Vistabule will either have an AGM or a Lithium Iron Phosphate battery, picked when ordering,



DEEP CYCLE AGM ("ABSORBED GLASS MAT")

- Lead acid battery, similar to conventional car batteries)
- Capacity = 102 Amp Hours (Ah)
- Target < 50% depth of discharge (DoD) recommended for longer cycle life
- Should avoid discharging completely

LITHIUM IRON PHOSPHATE (LiFePO4)

- Similar to rechargeable batteries like computer laptops
- Capacity 100 Amp hours (Ah)
- Includes internal battery management system (BMS) to protect battery from high/low voltages and temperatures
- Can charge below 32 degrees F, but at a slower rate



REMOVING THE BATTERY

- Make sure to fully charge battery before removing it
- Flip up the battery compartment cover at the center rear of the bed platform (by the headboard)
- Tip: take a photo of the set up so you can see where the wires go when putting the battery back in
- Undo the negative connection first, then the positive connection second with a wrench
- Pull the battery straight up out of the aluminum battery tray

STORING BATTERY FOR THE WINTER

- If your Vistabule can be connected to shore power, the battery can stay in the trailer over the winter
- If you store the AGM battery over the winter, connect it to a battery trickle charger in a room temperature room
- If storing the LiFePO4 battery
 - Fully charge the battery first
 - Store at room temperature
 - No trickle charger necessary

SHORE / CITY POWER



SHORE POWER

- Charges the battery—this method charges the battery the fastest by activating the 15 amp onboard charger
- Powers all 120v outlets in the trailer (will only work when the Vistabule is plugged in)
- Powers the air conditioner (also will only work when the Vistabule is plugged in)

HOW TO CONNECT

- Plug a standard 3 prong grounded extension cord into the 120V inlet, on the passenger side of the Vistabule
- IMPORTANT: The extension cord should be at least 12 gauge and rated for outside use
- Extension cords with a lighted plug is very helpful to verify that the outlet and cord is working

CONNECTING TO RV CAMPGROUND OUTLETS (30A, 50A)

- Vistabule does NOT recommend plugging into a 30 amp or 50 amp outlet because this will allow more power to draw into the trailer than it can handle (15 amps)
- The vast majority of campground power pylons will have the standard 15 amp outlets
- If there is no other choice
 - A plug adapter is needed to fit the different plug shapes for a 30A or 50A outlet
 - A surge protector (with a 15 amp breaker) provides an extra layer of protection (available at RV supply stores or online)

SOLAR PANELS

The Vistabule can either come with built in roof solar panels, or plugging in an external Zamp solar panel



External Solar Panel Input

(Above the shore power 120V inlet)

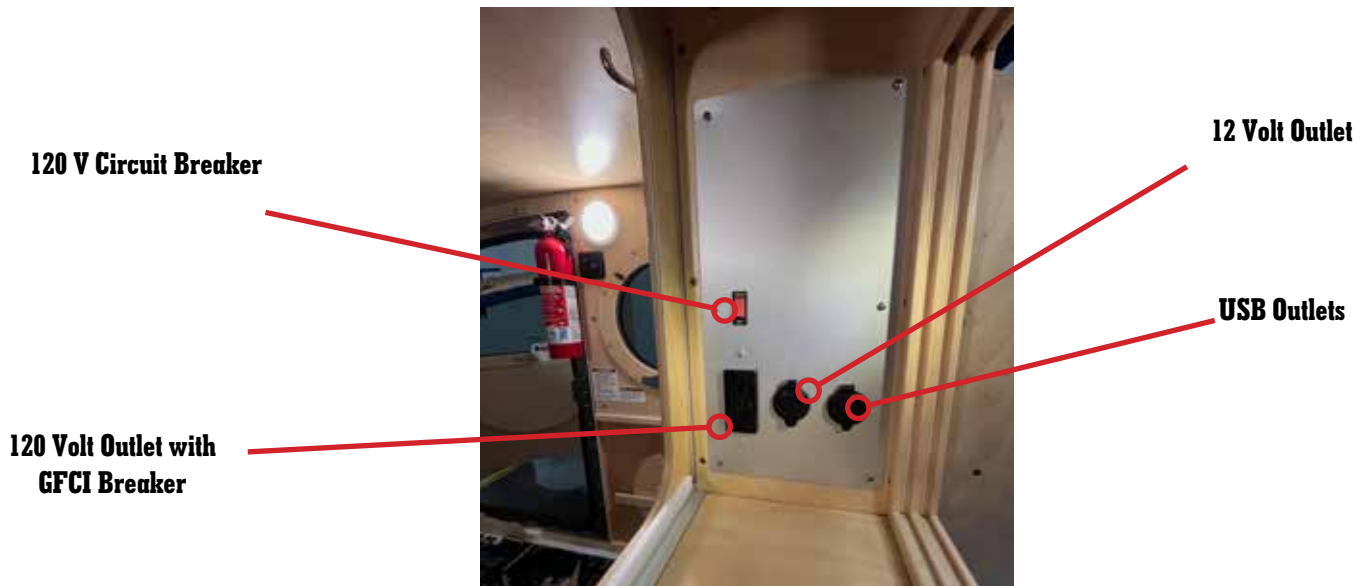
ROOFTOP SOLAR PANELS

- Provides up to 210 watts to charge the battery
- Charge controller is found in the pass-through wall or in the electrical compartment
- Power is dependent on strength of sunlight
- Automatically starts charging the battery once the panels reach the minimum required voltage
- Will charge the battery while towing (great for road trips!)
- To clean the solar panels, use hand microfiber towels—do NOT use a pressure or hose sprayer

EXTERNAL SOLAR PANELS

- External Zamp solar panels available from Vistabule
- Charge controller is included with the Zamp external panels
- Plug the panels into the solar inlet, which is next to the shore power 120 volt inlet on the right side of the trailer
- Can use the external panels simultaneously with the built in solar panels
- If you choose to use a third party solar panel, it must include its own controller and needs a reverse polarity adapter due to the Zamp inlet on the Vistabule

CIRCUIT BREAKERS



120 VOLT BREAKER

- In the pass-through on the passenger side wall, there is a red switch which resets the 120 volt circuit
- The switch must be in the Reset position to deliver the 120 volt power
- If it keeps tripping, the external power may have an issue—use an outlet tester to verify

GROUND FAULT CIRCUIT INTERRUPTER (GFCI)

- The 120 volt galley outlet is protected by GFCI
- GFCI is a safety feature to prevent getting shocked by water, bad wiring or overloading
- Check to make sure it is set properly (they are the push button switches between the two plug sockets)
- The trailer must be plugged in before the GFCI is active (green LED light will turn on)

AIR CONDITIONER BREAKER

- The air conditioner also has an electrical breaker built in on the plug (the button)
- The plug can be found in the electrical compartment



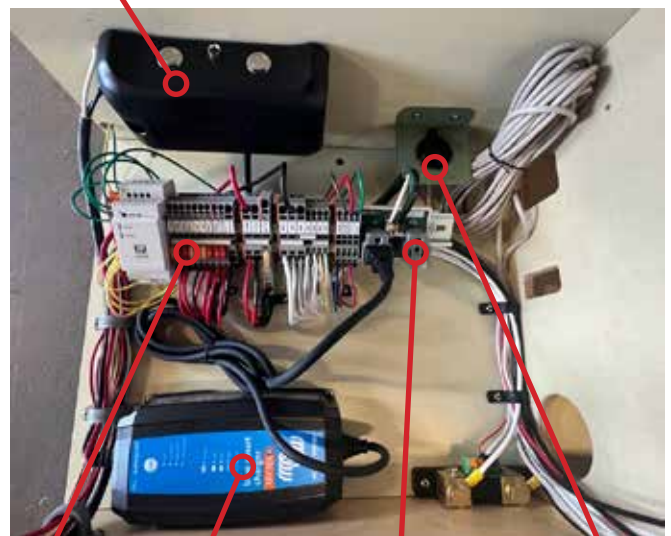
ELECTRIC COMPARTMENT

- The electric compartment can be found on the passenger side of the headboard, bottom door, under the removable bottom shelf
- Inside is the electric block with the main wiring connections
- Fuses are covered on the next page



Door to Electric Compartment

Autowbrake Controller



Fuses

Battery Charger

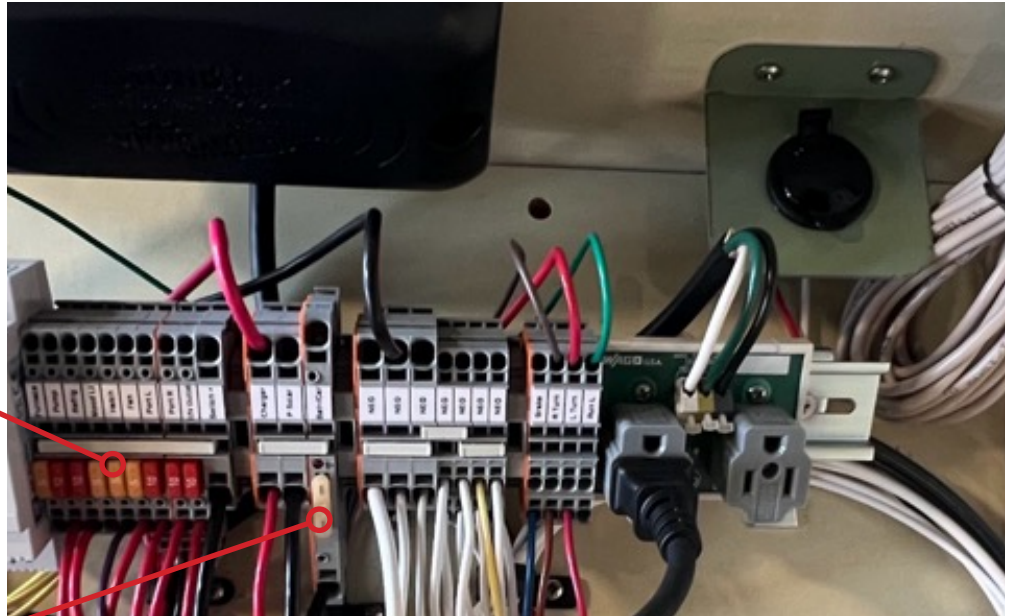
12 Volt Refrigerator Plug

120 Volt Air Conditioner Plug

FUSES

The 12 volt DC system is protected with multiple fuses. If a particular 12 volt outlet or appliance is not working, this is the first place to troubleshoot

12 Volt Circuit Fuses



Master 25 Amp Fuse

MASTER FUSE

- The master fuse (full size, 25 amps) is found on the larger fuse terminal in the middle of the electrical block
- If the main master fuse is blown, the battery cannot provide power to any of the 12 volt circuits or outlets on the Vistabule (and the battery cannot be charged)
- However, the 12 volt circuits will continue to work if one or more of the charging sources is active (shore power, solar panel) and the main 12 volt switch is on
- The 25 amp fuse allows for simultaneous charging from shore power and solar panels

12 VOLT CIRCUIT FUSES

- The fuses for the 12 volt circuits are on the left side of the electrical block
- The mini-blade fuses protect other circuits (various amperages)
- If a mini-blade fuse is blown, the fuse will glow (if the fuses came from Vistabule)
- Keep extra fuses with you (extra fuses come with a brand new Vistabule)
- Purchase extra fuses online or at an auto parts store—mini blade fuses—often labeled as "glow" or "smart glow" for the ones that light

REPLACING FUSES



HOW TO REMOVE A FUSE

- Grasp each side of the fuse and pull straight out, using:
 - Fuse pulling tool
 - Small pliers
 - Fingers (long fingernails help)

HOW TO REPLACE FUSE

- Check to make sure the amp rating on the replacement fuse matches the original
- With two fingers, grasp each side of the fuse and reinsert the two prongs into the holes. Be sure it is fully inserted

POWER MONITORING

All of the power systems can be monitored by using the the VictronConnect App, which you can download to your phone, tablet or other devices



VICTRONCONNECT APP

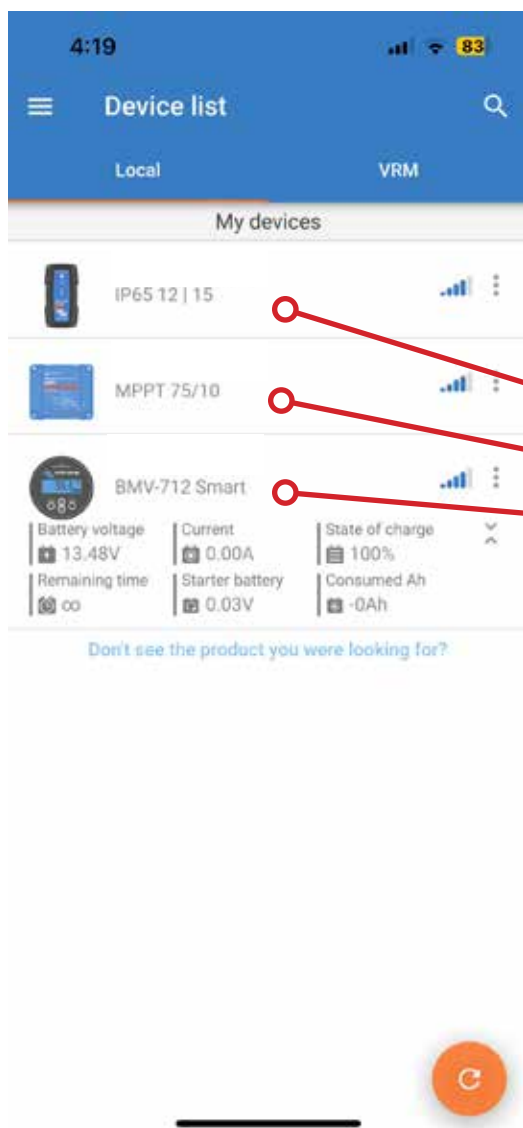
- Go to the appropriate App Store and download the VictronConnect App to your phone or tablet
- Stand near the Vistabule (within Bluetooth range) and follow the directions to pair the VictronConnect App to your Vistabule
- Your username and password should already be set to [your last name] = username and "000000" as your password
- Before every trip, open the App to see if there is a software update available, and if so, refresh your App. This will also verify the connectivity between your device and the controller

POWER GAUGE

- In case you can't access your VictronConnect App, a power monitor gauge is available under the pass-through, next to the 12VDC master switch
- Default reading will be the battery voltage
- Click on the "+" and "-" buttons to cycle through the available data screens (e.g. voltage)

VICTRONCONNECT APP

HOME SCREEN



HOME SCREEN

- When the VictronConnect app is opened, the home screen will show a Device List
- Devices will be sorted in order based on when you last opened them in the app
- Up to 4 devices will be listed here

DEVICE LIST

- Battery Charger
- Solar Charger for roof solar panels
- Battery Monitor
- Click on the device icon to see details of each

**For more detailed instructions, go to the Victron website:
Link in Appendix on Page 83**

VICTRONCONNECT APP BATTERY CHARGER SCREEN



BATTERY CHARGER SCREEN

- Voltage: shows the battery voltage
- Current: amount being sent to battery in amps
- Click on "Graph" and "History" to see how the voltage and current changed over time (useful for troubleshooting)

**For more detailed instructions, go to the Victron website:
Link in Appendix on Page 83**

VICTRONCONNECT APP SOLAR PANEL SCREEN



TOP DISPLAY

- The top gauge shows the amount of watts being generated by the solar panel (in this example, 0 watts because the Vistabule was inside a garage)

SOLAR SECTION

- Shows the amount of voltage and current being generated by the solar panel
- The solar panels need to generate a minimum amount of volts to start sending a current (in watts) to the battery for charging (battery voltage + 5 volts = approximately 19 volts)
- This section is useful for figuring out if the solar panels are receiving enough light to charge the battery

BATTERY SECTION

- Shows the amount of voltage and current going to the battery
- "State" (off/on) shows if the solar panel is actively charging the battery

**For more detailed instructions, go to the Victron website:
Link in Appendix on Page 83**

VICTRONCONNECT APP BATTERY MONITOR SCREEN



TOP DISPLAY

- The top gauge shows the amount of charge on the battery as a percentage

OUTPUT SECTION

- Voltage: shows the current voltage of the battery
 - As the battery gets discharged, the voltage will drop
- Current: the amount of draw on the battery in amps
- Power : showing how much power is being used in watts
- Consumed Ah: shows how many amp hours has been consumed or charge put in the battery since the last charging
- Time Remaining: the estimated time left on the battery at current usage rate
 - If Time Remaining is blank (like in this example) it is plugged into shore power or the power is off

**For more detailed instructions, go to the Victron website:
Link in Appendix on Page 83**

MAXIMIZING BATTERY LIFE

HOW TO CALCULATE POWER USAGE FOR 12 VOLT DEVICES

- At 12 volts, the battery has 100 Amp Hours (1200 watt hours divided by 12 volts)
- Find the amp rating on your device
- Example: a 5 amp device at 12 volts will drain the battery in 20 hours (100 divided by 5)
- Don't forget you will have other devices—use the VictronConnect app or the battery monitor to see the overall drain

HOW TO CALCULATE POWER USAGE FOR 5 VOLT DEVICES (USB)

- At 5 volts, the battery has 200 Amp Hours (1000 watt hours divided by 5 volts)
- Find the amp rating on your device
- Example—a 5 amp device at 5 volts will drain the battery in 40 hours (200 divided by 5)
- Again, don't forget you will have other devices—use the VictronConnect app or the battery monitor to see the overall drain

TIPS

- Turning off main 12VDC power switch in galley eliminates all draw including detectors
- Refrigeration is the biggest consumer of battery power over time—consider using only refrigeration not freezing
- Device charging may use more power than expected, especially laptop batteries
- Plan your charging of devices (like smartphones) so that it finishes before breaking down camp
- Ceiling fan can run at a lower speed and still provide excellent ventilation, Blast it when setting up camp for a couple of minutes, then dial it back

LIGHTING



Interior Side Light



Exterior Side Light



Reading Light

SIDE LIGHTS (INTERIOR/EXTERIOR)

- Switches are next to the side interior lights
- Extra on/off switch underneath
- The exterior light is tinted, which should attract fewer flying bugs

READING LIGHTS

- Silver metal-colored lamps, which are switched simply by touching them (3 way—dim, full, off)
 - USB outlet available on the top edge
 - When dim, touching lamp for 5 seconds will turn it off without needing to cycle to full intensity light
- Overhead sofa table light to aim to the sofa table
- Stargazer package lights includes 2 extra reading lights by front window

GALLEY LIGHTS

- Gooseneck light over the pass-through—press button on top of the light to toggle on/off
- Dome light on the open hatch also has an on/off toggle switch

MOOD LIGHTING

- A remote controls the brightness, color and even the color switching. Just press the power button multiple times for brightness (and turn them off)
- For color, simply press the corresponding color button
- Note: the red mood light setting will preserve your night vision, which is useful for when you have to go outside in the dark
- The mood light is also useful to see the trailer discretely in the dark without using the full side exterior light



Mood Lighting Remote



CABIN

CABIN STORAGE



HEADBOARD

- Bottom passenger side cabinet holds the electric compartment (fuse block, inverter, plugs to refrigerator and air conditioner)
- Without the air conditioner option, middle section can be used for storage
- Hooks are useful for keys, jackets, hats, etc.

FRONT CABIN BIN

- Extra storage space accessible when the mattress is in sofa mode
- Footrest area is standard, and can store the sofa table
- The middle storage bin (with cover) can be bought as an upgrade

MATTRESS / SOFA

The Vistabule bed mattress can be converted from a sleeping position to a couch much like a futon. It's like converting from a bedroom to a living room or office!



HOW TO CONVERT FROM MATTRESS TO COUCH

- Open the side doors
- Find the metal handle on the edge of the underlying panel and pull up
- The sofa bed panels should start folding up assisted by the spring
- Keep folding towards the back of the trailer until the front edge panel goes past the foot bins and to the white plastic raised catch on the white trim. The top of the couch will be even with the back of the door opening
- Fold down the front edge of the panel on the trailer rear side of the white plastic catch and the panels should hold its couch shape
- To convert the couch back to the flat mattress, simply reverse the process
 - Disassemble the couch table
 - Flip up the front edge of the sofa bed panel
 - Pull on the handle towards the front of the trailer until the panels are fully flat

MATTRESS FITTING

- When fitting with linens, the mattress is 4" thick, so you may have extra slack to tuck in. If you order custom linens from a third party, make sure they know the thickness of the mattress
- The dimension of the mattress is 58" wide, 78" long, 4" thick
- Buy full size (vs queen or king) sheets and linens

SIDE DOORS



QUARTER TURNS

- Main door latch is key lockable from the outside, metal tab to lock from the inside
- Quarter Turn Knob—designed to further secure the door. Vertical is open, quarter turn clockwise is closed
- To open or close the door, turn the quarter turn knobs first, then turn the door latch
- Be sure the door is completely shut before turning the knobs, so they don't catch on the silicon door gasket
- The Quarter Turns are essential to ensure a watertight seal on the door, so engage them when driving or storing

SECURING OPEN DOORS

- Each door is equipped with a door holder to keep it open and prevent crashes (top right photo)
- Crash strap also available to prevent the door swinging widely (bottom right photo)
- Be extremely careful when opening the door (especially when the weather is windy)—the door can smash into the side runner light and break it

TABLES



HOW TO SET UP THE SOFA TABLE

- When the sofa is set up, simply insert the metal tube in the floor socket and the table on the other end of the tube
- Store the table in the foot bin when not in use

HOW TO SET UP THE DOOR SIDE TABLE

- Fold up the table and swing the support underneath
- Make sure the support is securely connected in the notch underneath the table

FRONT WINDOW



FRONT WINDOW SHADE

- The front window has a pull-down or blackout accordion style shade
- With both hands pull the bottom gently to the desired position, either up or down

SAG PREVENTER

- Found on the bottom sill, the sag preventer will flex to curve along the shade, keeping it flush against the front window
- To use it, turn it vertically and insert the bottom end on the sill and the top end in the top slot. It will bend to the same curve as the window

FRONT WINDOW CARE

- To clean, you can use a microfiber cloth or standard glass or household cleaners
- To prevent condensation
 - Run the ceiling MaxxFan
 - Open windows and vents

DOOR WINDOWS & PORTHOLES



HOW TO OPEN THE SIDE WINDOWS

- The side door and side porthole windows are screened and you can open them by using the metal levers
- Pop the metal lever from the catch
- Push the lever out as far as you want the window opened
- Rotate the metal lever 90 degrees
- To close, reverse the process

SHADES

- Use the elastic shade ties to roll up or roll down the shades

PORTHOLE COVER

- Place the cover over the porthole for privacy
- When uncovered, place the cover in the storage slot below the porthole



Elastic Shade Ties



Porthole Cover Rack

MILKY SLIDER DOORS



- To open and expose the pass-through slide the milky slider doors so they are completely covering the shelving
- Fit the milky slider stick inside the track. There is a middle notch that it should secure the stop
- This prevents the doors from blocking the pass-through, allowing the driver to see all the way behind the trailer, through the Vistabule front window and the pass-through and rear window
- To shut the pass-through, slide the milky slider doors to cover the opening—useful for privacy and to protect the cabin from odors while cooking on the range



FIRE EXTINGUISHER



HOW TO USE FIRE EXTINGUISHER

- Unstrap the fire extinguisher from the plastic strap
- Remove locking pin behind the pressure gauge
- Point nozzle at fire (from safe distance) and squeeze both handles together

MAINTENANCE

- Replace fire extinguisher if pressure is too low (within the green range on the gauge dial)
- To detach the extinguisher (and reattach in a different location), remove the 2 mounting screws



CABIN

DETECTORS

The Vistabule is equipped with multiple detectors to keep you safe



Smoke Detector



Cabin Detector



Under Sink Detector

SMOKE DETECTOR

- Mounted on cabin ceiling
- Press on the "Test / Speaker Off" button to mute
- Main 12 volt power switch MUST BE ON

CABIN DETECTOR

- Found on back wall of cabin under pass-through
- Detects both propane and CO (Carbon Monoxide)
- Press on the "Test/Mute" button to turn off alarm
- Main 12 volt power switch MUST BE ON

UNDER SINK DETECTOR

- A second propane detector is located in the compartment under the sink (left side)
- Click on the "Silent/Test" button to turn off alarm
- Main 12 volt power switch MUST BE ON



GALLEY

GALLEY HATCH



OPENING / CLOSING THE GALLEY HATCH

- Like the side doors, turn the quarter turn knobs first, then the main middle latch
- IMPORTANT
 - Do NOT open or shut the galley hatch from a corner; over time the door will warp and it will become impossible to shut the galley hatch completely
 - Do NOT use the license plate holder or light (it can easily break)
- Be sure all metal tabs point to the right before shutting

BATWING



BATWINGS

- The (affectionately named) Batwings are fabric shades that are attached to the side edge of the galley
- They provide weather and wind shelter for the galley itself, and also provide additional privacy, especially in campgrounds

DEPLOYING THE BATWINGS

- Undo the ties that are bundling the Batwings
- Unfurl the Batwings fully
- Attach the bungee cord end of the Batwing to the hook on the back corner
- Attach the Batwing to the outside of the Vistabule using the snap buttons
- Repeat on the other side
- When rolling up the Batwing, make sure it's completely inside the galley hatch—otherwise the watertight seal may fail and leak water

PASS-THROUGH



SCREEN

- The Pass-through has screened doors and conveniently allows to pass food and drink between someone cooking in the galley with someone in the cabin
- Also promotes air circulation of the galley with the main cabin

COVERING THE PASS-THROUGH

- For privacy and to prevent fumes from the rangetop, slide the milky slide doors to the middle to cover the pass-through (covered in the Milky Sliders, page 63)

REFRIGERATOR



Refrigerator / Cooler Shelf Lock

SLIDING SHELF

- The tray has 2 locks (on each corner)
- To unlatch shift the red levers outwards
- Make sure the gliding tracks are clear (objects can fall into it)
- The bottom middle tray extends out, holding either a 12 volt powered Dometic refrigerator or a cooler
- Cooler will be screwed into the cabinet

REFRIGERATOR TIPS

- Before a trip, try starting the refrigerator up to 24 hours in advance
- Experiment with temperature settings—set under 40 degrees for refrigeration and under 5 degrees for freezing
- Vistabule has provided handles to attach to the sides of the refrigerator when it is removed
- Check to make sure the battery protection level is set to low

USING THE REFRIGERATOR

- The refrigerator runs on the 12 volt trailer battery and does not need to be connected to shore power
- With solar power charging the battery the refrigerator can run for several days off the grid
- Use power button to turn on
- Use arrows to select "set temp"

VIDEO LINK: Water / Stove / Fridge - Page 96

COOKTOP



TURNING ON BURNERS

- Make sure the valve on the propane tank is turned open (go to page 28 for instructions to turn on the tank)
- Turn the knob on the burner to "light" or past it
- Let the gas run for several seconds to ensure it is flowing through the line between the tank and the cooktop
- Press the ignition button repeatedly until the flame lights
- Turn the knob to the desired flame level

SAFETY

- Turn off the stove when done
- Close the valve on the propane tank before leaving camp
- IMPORTANT: Make sure the stove top is completely cool before putting lid back down
- IMPORTANT: Make sure the glass top does not make contact with the metal grill

VIDEO LINK: Water / Stove / Fridge - Page 96

SINK



FAUCET SPRAYER

- Faucet and sprayer are included; works like a standard kitchen sink

DRAINAGE

- Water drains either to the gray water tank (if you purchased, page 35) or through a drain tube directly under the trailer
- Without the gray water tank, a plastic tub or something similar should be used to capture the direct drain water

DRAWERS



DRAWERS

- Slide the doors to see and pull open the drawers
- Push drawers in until you feel them catch to keep them closed
- Make sure contents are secured while towing—bumps in the road can scatter them

BREADBOARD

- Found at the top of the 3 right hand drawers, the breadboard can be extended out
- We don't recommend heavy knife cutting on the board itself—a dedicated cutting board is better



MAINTENANCE

WINTERIZING WATER SYSTEM

- Winterizing a teardrop trailer's water system is crucial to prevent damage from freezing temperatures
- Left untreated, the plumbing can be severely damaged by expanding freezing ice

DRAINING WATER SYSTEM

- Drain the freshwater tank by running all of the water through the faucet and sprayer
- Drain the grey water tank using the drain valve
- Tilting the trailer by raising the trailer jack all the way up can help drain the tanks more thoroughly
- Optional: for additional clearing of water, you can use an air compressor to blow the lines

ADDING RV ANTI-FREEZE AFTER DRAINING

- Add ½ gallon of RV antifreeze (usually pink) to the fresh water tank
- Run both the faucet and sprayer (separately) until the pink RV antifreeze runs into the sink
- Pour a little extra antifreeze into the drain, enough so that it drains into the grey water tank (skip if you don't have the grey water tank)
- Pour more antifreeze in the city water hookup

DE-WINTERIZE

- Run the faucet and sprayer until the RV antifreeze runs out
- Pour a gallon of fresh water into the water tank
- Run the water through the faucet and sprayer completely
- Repeat the water cycle until the water runs clear (usually takes 3-4 gallons)
- Drain the gray water tank

SANITIZE WATER TANKS

- Mix 1 oz of bleach per every 8 gallons of freshwater
- Drain the bleach water
- Refill and empty the freshwater tanks 2-3 times to flush out any residual bleach
- IMPORTANT: Do NOT pour undiluted bleach directly into the tank—that can potentially damage the plumbing

WINTERIZING

EMPTY, CLEAN, AND SECURE

- Remove all food and things that might smell like food.
- Remove all soft things (e.g. bedding) that mice or other critters would like to nest in
- Remove all liquid things that would freeze (e.g. lotion, soap)
- Vacuum and clean thoroughly (no crumbs for critters!)
- Remove Dometic fridge for inside storage
- Turn off power and water pump switches
- Turn off propane
- Lock windows, doors, and water cover (but not the door/hatch quarter turn latches)
- Shut fan and side vents
- Lock up security locks: hitch and chock locks
- Remove car hitch from tow vehicle
- Optional: Add things like dryer sheets, DampRid, Irish Spring soap, or other things to discourage critters and dampness.

TIRE MAINTENANCE



- Check for uneven wear, cracks, bulges, or embedded objects like gravel
- Ensure the tread depth is adequate. The minimum recommended tread depth is typically 1/8 inch. Use a tread depth gauge or insert a penny into the tread with Lincoln's head upside down; if you can see the top of Lincoln's head, it's time to replace the tires
- Use a reliable tire pressure gauge to check the tire pressure before each trip and at least once a month, especially during outdoor temperature changes
- Inflate tires to the pressure recommended by the trailer manufacturer, usually found in the owner's manual or on a sticker on the front of the frame
- Measure your air pressure when the tires are cold (in other words, before you start driving with the Vistabule,)
- Overinflated or underinflated tires can lead to uneven wear and blowouts
- Check and tighten the lug nuts using a 100 ft/lbs wrench

GREASING BEARINGS



GREASING BEARINGS

- Dexter recommends greasing every 12 months or 12,000 miles
- Dexter recommends using a lithium complex-based grease
- Avoid mixing different types of grease, as it can cause issues like hardening or separation

STEP BY STEP INSTRUCTIONS

- Ensure the trailer is securely supported with a jack and wheel chocks
- Pop the metal cap at the center of the tire
- Remove the rubber plug from the center of the grease cap to expose the zerk fitting
- Attach the grease gun to the zerk fitting and slowly pump in new grease while rotating the wheel
- Continue pumping until you see clean, new grease coming out of the cap
- Remove the grease gun, wipe away excess, and replace the rubber plug
- Be careful not to over-grease, as it can damage seals and potentially get grease on the brakes
- Repeat the process for the other wheels on the trailer

VIDEO LINK: Greasing Bearings - Page 96

WASHING THE VISTABULE



GENERAL EXTERIOR CLEANING

- Best cleaning solution is a low phosphate detergent (e.g. Tide, <0.5% phosphates) mixed in water (1.5 oz per gallon)
- Automotive soap and waxes works as well (available at auto supply stores)
- Use a sponge, soft cloth (like microfiber) or soft bristles to scrub
- If there's mold, add bleach to your cleaning solution (3 oz per gallon)
- Rinse immediately
- For spot grease cleaning, kitchen cleaner or Simple Green can be used
- Use solvent based cleaners (like citrus Goo Gone) sparingly and wipe off immediately (for road tar and bug splatter)

AVOID

- Stiff bristles
- Wire brushes
- Steel wool
- High pressure washers at close range
- Acidic cleaners like CLR
- Acetone based cleaners (like Goof Off and paint thinner)



PARTS SUPPORT



PARTS SUPPORT

A number of your options require you to register your item(s). Vistabule has compiled a list with links and recommend that you register as soon as possible

We understand that from time to time, something can happen to your trailer. Here is a list with links on how to contact support. If you find that you are not receiving adequate responses, please let us know and we'll be happy to help. If you have issues with the Vistabule itself, please contact support@vistabule.com. Thank you!

1UP BIKE RACK

<https://1up-usa.com/help-center/?hcUrl=%2Fen-US>

ARK TONGUE JACKS

Exchanges (if applicable)

We only replace items if they are defective or damaged. If you need to exchange it for the same item, send us an email at ussales@arkcorporation.com and send your item to: 1005 N Commons Drive Aurora Illinois US 60504

AUTOWBRAKE

<https://getautowbrake.com/pages/contact-us>

Free 3 year warranty—The warranty for the mounted electric brake control starts on the date of the purchaser's purchase and lasts for three (3) years

DANBY AIR CONDITIONER

<https://www.danby.com/en-us/support>

Customer must register unit with link above

DEXTER AXLE

<https://www.dexteraxle.com/Products/Torsion-Axles/Torflex-Light-Duty>

Dexter Warranty Claim Form: <https://www.dexteraxle.com/Contact/Warranty-Claims>

Vistabule records your serial number

DRAGONFLY ENERGY

LiFePO4 battery

Model # DF10012: <https://dragonflyenergy.com/product/100-ah-12v-lifepo4-deep-cycle-battery/>

Dragonfly Contact page (includes warranty claims): <https://dragonflyenergy.com/contact/>



PARTS SUPPORT

FULLRIVER AGM BATTERY

Model # DC115-12: <https://www.fullriverbattery.com/product/dc115-12/>

Support: <https://www.magnacharge.com/contact-us/>

sales@magnacharge.com, (612)-788-4767

DOMETIC STOVE

Product registration: <https://www.dometic.com/en-us/outdoor/support/product-registration-form>

Dometic Stove, model # 9108917581: <https://www.dometic.com/en-us/outdoor/food-and-beverage/mobile-cooking/rv-and-boat-cooktops/dometic-drop-in-cooktop-138696>

Dometic Support: <https://www.dometic.com/en-us/support>

Dometic Warranty form: <https://www.dometic.com/en-us/outdoor/support/warranty-form>

DOMETIC COOLER

Model # CFX3 35: https://www.dometic.com/en-us/us/products/food-and-beverage/coolers/electric-coolers/dometic-cfx3-35-_220581

Dometic Support: <https://www.dometic.com/en-us/support>

Dometic Warranty form: <https://www.dometic.com/en-us/outdoor/support/warranty-form>

MAXX FAN DELUXE

Model # 00-07500K <https://www.airxcel.com/rv/maxxair/products/fans/maxxfan-deluxe>

MaxxAir Customer support/warranty telephone number: [574-247-9235](tel:574-247-9235)

Airxcel Service Request form and service locator: <https://www.airxcel.com/rv/maxxair/service-support>

Warranty is 2 years—warranty registration is no longer needed. Please keep your bill of sale as your proof of purchase should you need any warranty assistance

PROPEX HEATSOURCE

(Westy Ventures) Model # HS2000 support@vancafe.com or <https://vancafe.freshdesk.com/support/tickets/new>

Contact Vistabule first with any issues at support@vistabule.com



PARTS SUPPORT

PENTAIR WATER PUMP

Model # 4008-101-A65: <https://www.pentair.com/en/products/water-supply-pumps/rv-water-delivery/freshwater-pumps-rv.html>

Contact Vistabule for issues at support@vistabule.com

VICTRON BATTERY & CHARGER

Victron 712 Battery Monitor: model # BAM030712000R

<https://www.victronenergy.com/battery-monitors/bmv-712-smart>

Be sure to scroll down and check out the informational videos

Victron IP 65 Battery Charger: model # BCP121531104R

<https://www.victronenergy.com/chargers/blue-smart-ip65-charger>

Be sure to scroll down and check out the informational videos!

Victron Smart Solar Charger : model # VE SCC075010060R (MOQ 6)

<https://www.victronenergy.com/solar-charge-controllers/smartsolar-mppt-75-10-75-15-100-15-100-20>

Victron carries a five year warranty. For issues email jhall@inverterservicecenter.com and CC support@vistabule.com. You will need to reference the serial number of the product you need assistance with. Vistabule does have your serial number on file

ZAMP

Zamp Solar Obsidian 100 Watt: model # USP2003

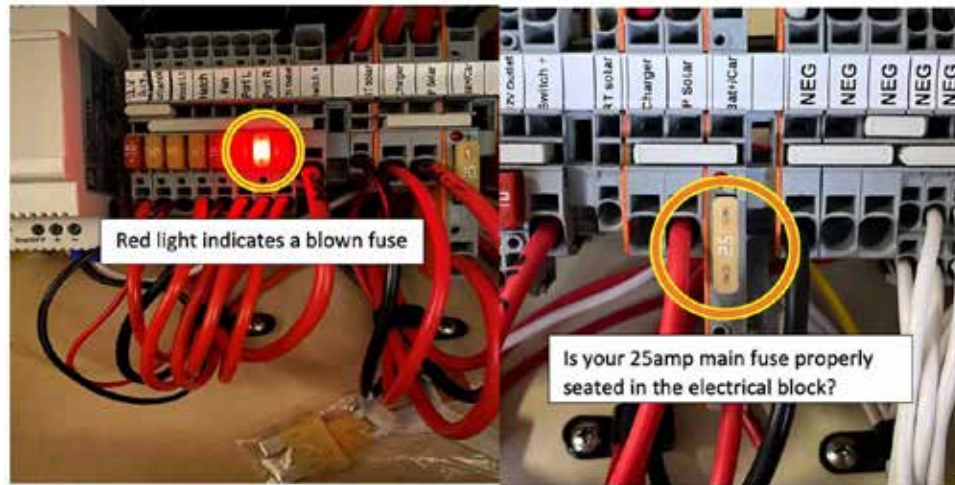
<https://www.zampsolar.com/collections/portable-solar-panel-kits>

Zamp Warranty: <https://www.zampsolar.com/pages/warranty>

Customer will need to register product: <https://www.zampsolar.com/pages/product-registration>



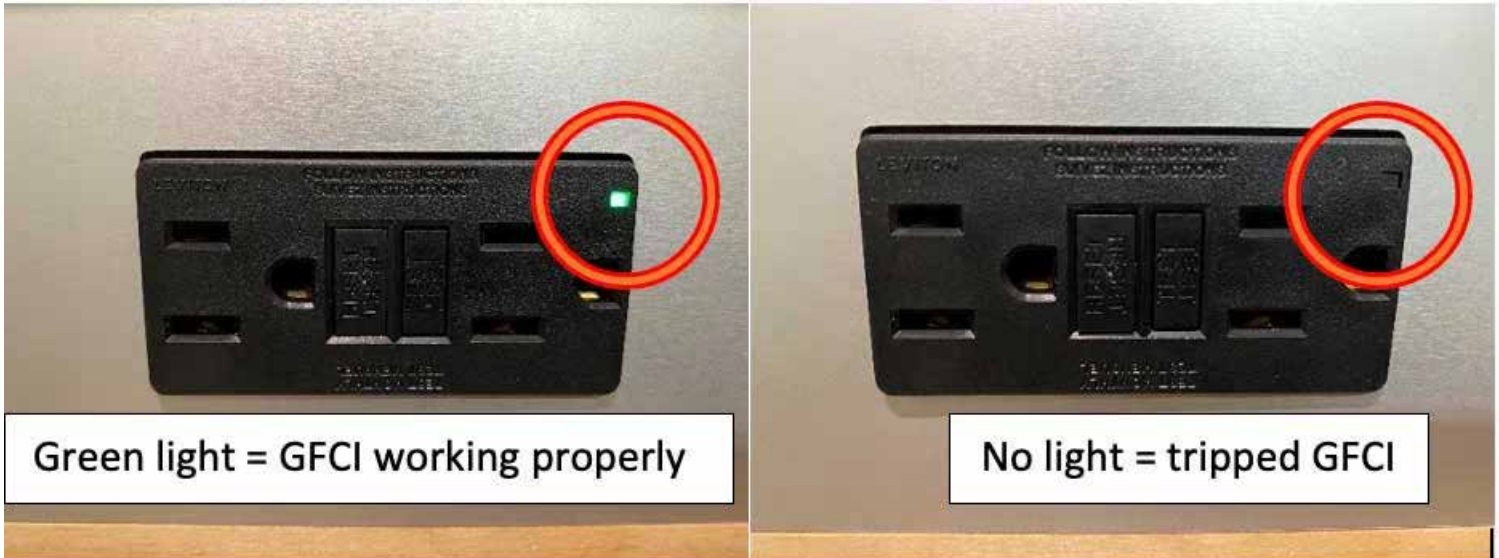
TROUBLESHOOTING

**NO POWER?**

- Is the main power switch in the galley on?
- What does the battery monitor or voltmeter read? A full charge for an AGM battery will be anything over 12.6 volts, and over 13.2 volts on a Lithium battery. Check the 25 amp main fuse and its connection to the electrical block. Is the trailer plugged in, and if so, is the GFCI green light indicator on? (See picture[s] in "Battery Not Charging" section)
- Check/test the connection of your power/extension cord

12v / USB POWER SOCKETS NOT WORKING?

- Is the main power switch on and the battery charged?
- If all outlets are not working, it is likely a blown fuse
- You can replace a blown fuse with a small pair of pliers or fuse extractor with your included set of replacement fuses

**GFCI (GROUND FAULT CONTROL INTERRUPTER)**

- Is the GFCI tripped? See picture
- A tripped GFCI can be reset by pressing the "Reset" button located in the center of the black AC outlet
 - The reset button needs to be pushed very hard
 - If pressed properly it will noticeably click
- A green light on the GFCI outlet indicates that it has power and is working properly
- No light will indicate a tripped GFCI, and a red light indicates a fault, and the outlet likely needs replacing
- Keep in mind the outlets only work and can only be tested/reset when plugged into an exterior power source such as a wall outlet or generator
- These outlets are not connected to the trailer's battery. The battery charger only works when the trailer is plugged into a power source

**FAN NOT WORKING?**

- Check for a blown fuse
- Does it beep continuously and then power off? If so, contact the manufacturer, Maxxair, and/or follow up with Vistabule if they don't resolve your issue

AIR CONDITIONER NOT WORKING?

- Is the trailer plugged in to an exterior power source?
- The air conditioner requires an exterior power source for power—the trailer needs to be plugged in for it to function. If the problem persists, see troubleshooting for the household 120v outlets (previous page)
- The air conditioner power plug has a built-in surge protector and can be found in the electrical compartment. The plug will have a green indicator light during normal operation and can be tripped and reset like the GFCI outlet

PORCH LIGHT, DOME LIGHT, OR READING LIGHT NOT WORKING?

- Check for a blown fuse. If multiple lights are out, it is typically a fuse.
- If a single light is out, the problem is usually the light itself. If you have a faulty light fixture, please contact us so we can arrange a replacement

BATTERY NOT CHARGING FROM VISTABULE CHARGER, or AC/110v OUTLETS NOT WORKING?

- Is the trailer plugged in properly? Check all plug connections
- If you have a spare cord, try using that to see if the original power cord is defective
- Make sure the power source itself does not have a popped circuit breaker or tripped GFCI



WATER PUMP NOT WORKING?

- Make sure the diverter valve is in the correct orientation (pointing up) when using your freshwater tank (see photo)
- Check for a blown fuse
- If the water pump runs constantly without pumping water, your tank is likely very low or empty

STOVE NOT LIGHTING?

- Remember to always turn the stove burners and/or furnace off first, then shut off the propane tank before troubleshooting
- Is the gas tank valve open?
- Is the trailer powered on (for electric ignition), and are you getting a spark?
- Did the propane flow for a few seconds before lighting? Some of the propane may need to go through the gas line
- Have you recently had your tank filled?
 - It may be overfilled—an over-pressurized tank, or a sudden release of propane, can cause the check valve to seat
 - To reset the check valve, make sure the stove burners are turned off and the furnace is off, then turn the propane tank off
 - Next, unscrew the green cap from the propane tank and let it sit for two minutes
 - Now, screw the green cap back on the propane tank and turn the tank on very slowly, in $\frac{1}{4}$ turn increments. The initial turn should be turned on very slowly and continue until the valve is all the way open



FURNACE DOESN'T WORK?

- Is the trailer powered on and the propane tank valve opened?
- If your furnace's thermostat is showing a flashing or solid red light, the furnace is indicating a fault. Press and hold down the reset button until the light goes out
- If your furnace still doesn't work, please contact Vistabule

DOMETIC REFRIGERATOR NOT WORKING?

- Is the trailer power switch on?
- Make sure the GFCI breaker is not tripped
- Check the plug behind the Dometic cooler to ensure the plug is fully inserted into the 12v socket
- Check the cooler's battery protection level
 - Cycle through the display on your cooler
 - Select "Battery protection"
 - Set it to "Low"

**EXCESSIVE CONDENSATION IN TRAILER?**

- The cooler the outside temperature, the *more* ventilation is required
- Condensation forms when the warm air and moisture from your breathing as well as your body heat hits the colder surfaces of your trailer (e.g., the windows), causing that moisture to condense into liquid form over time
- A properly ventilated trailer will significantly reduce condensation build-up
 - Are you keeping your front vents open at night?
 - Is your ceiling fan venting air out of the trailer cabin?
 - Are your door/porthole windows open slightly for airflow?



APPENDIX



APPENDIX

SPECIFICATIONS

Body Length
10 feet

Total Length
14 feet

Body Width
5 feet

Width with Fenders
6 feet 10 inches

Height From Ground to
Top of Fan Cover
67 inches

Interior Cabin Height
43 inches

Under the Floor Storage and
Foot Room
6.5 inches

Main Bed Size
58.5 x 78 inches

Mattress
(L x W x Thickness)
74 x 55 1/8 x 3 7/8 inches

Insulation Rating
R 7.5

Frame
**Steel (standard)
or Aluminum (optional)**

Weight Approximate (empty)
**Steel Frame: 1440 pounds
Aluminum Frame: 1330 pounds**

Weight Approximate (with fully
loaded options)
1696 pounds

Tongue Weight
170 pounds

Tongue Weight
(including 20 lb. Propane Tank)
190 pounds

Road Clearance
10 inches

Galley Counter Height
40 inches

Wheels
14 inches

Fresh Water Tank Capacity
9 gallons

Grey Water Tank Capacity
9 gallons

Hitch Height
**20 inches
(unloaded vehicle)**

TOOL SUGGESTIONS

ELECTRIC

Outdoor extension cord
AC Outlet tester
30 amp plug adapter
Fuses
Batteries
Charging cords / adapters
Portable generator

HAND TOOLS

Multi-Tool (e.g. Leatherman)
Hammer
Screwdriver (Phillips and flat)
Adjustable wrench
Cutting and needle nose pliers
Adjustable plumber wrench
Strap wrench
Saw
Scissors
Rubber mallet

FIRE

Grill lighter
Grill gloves
Log splitter / hatchet
Kindling / fire starter
Grill grate / grill

FASTENERS

Duct Tape
Cable ties
Clamps
Carabiners
Extra hitch pins

TOWING

Locks (wheel and hitch)
Extra hitch / square lock pins
Lube for hitch ball (WD40)
7 Pin Electric Tester

WATER

Funnel
Tub / pan (fit under trailer)
Water hose
Hose filter
Water regulator
Extra jugs (gallon or larger)

AUTO

Battery jump starter
Jumper cables
Extra motor oil and funnel
Extra coolant
Extra windshield fluid
Spare wiper blades

WHEEL

Battery powered air pump
Tire pressure gauge
Vehicle jack (scissor or bottle)
Leveling blocks
Tire / torque wrench

SHELTER

Stakes
Cords
Tarps to attach to trailer
Extra tarps
Emergency blankets

PACKING LIST

CAMPING GEAR

- Bedding and pillows for the anticipated weather
- Awnings, side tents, picnic table shelters
- Stakes, stake hammers, poles, ropes, and straps
- Water jugs, dishwashing supplies
- Folding chairs and table
- Cookware and utensils, can opener
- Potholder mitts, tablecloth, towels
- Trash bags
- Entrance mats
- Lanterns
- Headlamps
- First aid kit
- Step for climbing up to car rooftop box
- Tongue box, packed with extension cord for Vistabule, chocks, coupler locks, mats (see Tools previous page)

TRAVEL ITEMS

- Maps
- Highway toll passes (e.g. EZPass)
- Park passes,
- Camping / driving apps
- Reservation information

PERSONAL ITEMS

- Outerwear and rain gear for the anticipated weather
- Footwear for hiking and around camp
- Hats, gloves
- Sleepwear, long underwear
- Swimsuits and towels
- Bug repellent and sunscreen
- Toiletries, sunglasses, medications
- Phones, chargers, and other electronics
- Gear for paddling, biking, or other sports
- Reading material

VIDEOS

GALLEY / POWER

<https://youtu.be/lcGxBJKmGEw>



TRAILER JACK

<https://youtu.be/TqtcigvUeak>



PREPARING FOR TRAVEL

<https://youtu.be/cPbl6btC7iA>



WATER / STOVE / FRIDGE

<https://youtu.be/o9XqosLPbXU>



BRAKE ADJUSTMENT

<https://youtu.be/p2IjiVvp8cs>



GREASING AXLE

<https://youtu.be/bL9AMcrEDYI>



WHEEL LUG NUTS

<https://youtu.be/AbYLXyylfNA>



ELECTRICAL

<https://youtu.be/kbkmPwFblUQ>

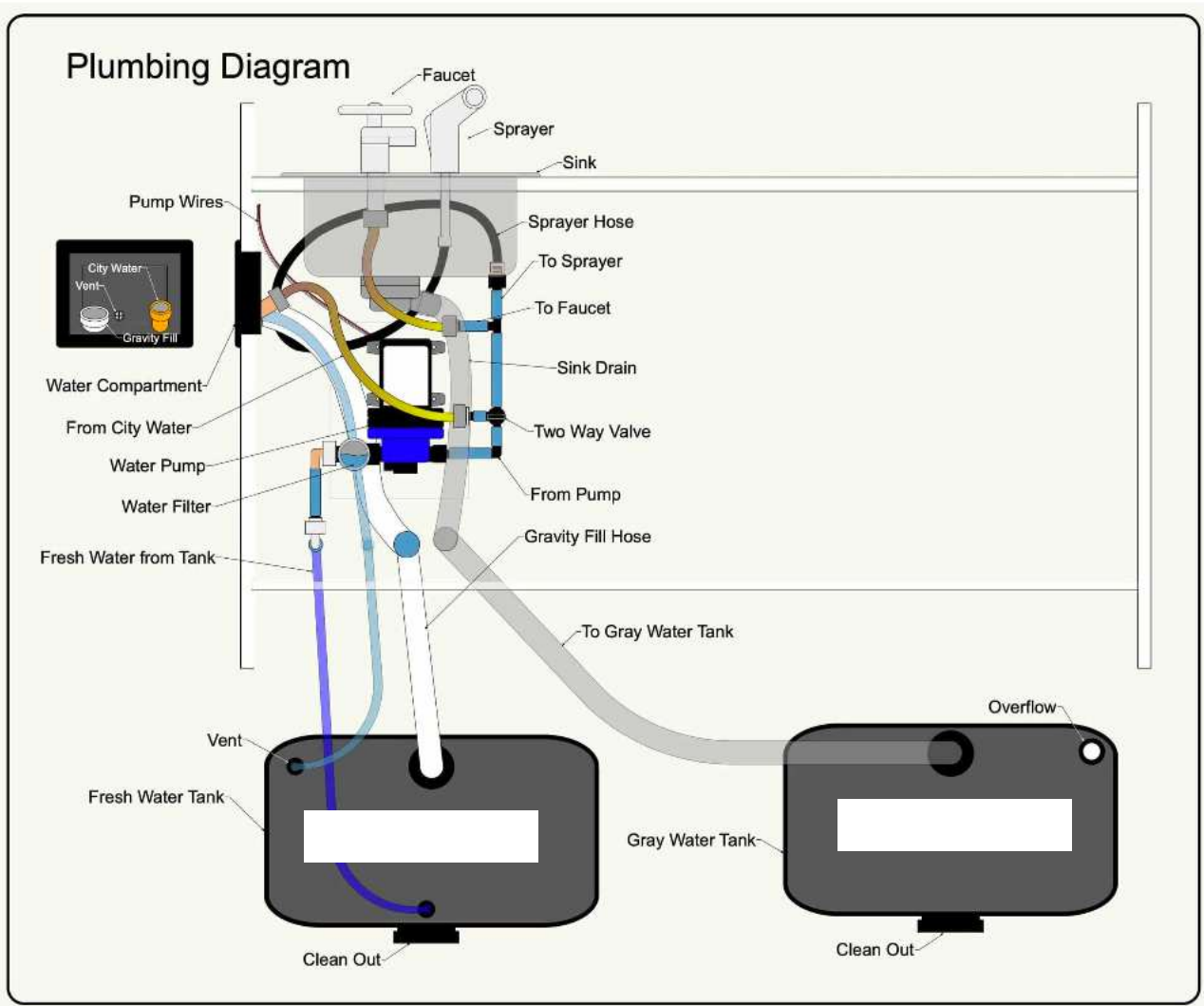


AWNING

<https://youtu.be/jr36slJResw?si=Y9hR-claSL80txu2K>



PLUMBING DIAGRAM



ELECTRICAL WIRING DIAGRAM

Trailer Wiring 6.0

