

# *Satellite Suites*<sup>™</sup>

ADA+2 Restroom Trailer

OWNER'S MANUAL



*Satellite Suites*<sup>™</sup>

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# WELCOME

Thank you for purchasing a Satellite Suites™ Restroom Trailer. Your trailer is designed to give you many years of service. Of course, the better you care for your trailer the longer your investment will last and the more satisfied your customers will be.

## OWNER'S INFORMATION

This owner's manual provides simple and easy to use instructions on how to operate your unit. For additional information, please refer to each individual section for operating procedures. Following are some tips for caring for your unit. If you don't find what you need, please call us at. 574-350-2150 (8 am - 4 pm Monday through Friday).

CALL THE MAIN BUSINESS OFFICE AT 574-350-2150 FROM 8 AM -5 PM EASTERN TIME ZONE. AFTER HOURS CALL 704-287-2065

A step by step guide on how to set up your trailer for an event and break down after your event is provided on page seven and eight of this manual.



# TRANSPORTING YOUR TRAILER

We recommend reading "Transporting Your Trailer Checklist" on page five before transporting the trailer to any event. The Satellite Suites ADA+2 restroom trailer has easy to use front connections for operation and maintenance. The unit has one 10,000 pound leaf spring axle to create a smooth ride to and from events. The unit has a 20,000 pound coupler and is adjustable in height to match the towing vehicle. A 7,000 pound tongue jack is included to support the weight of the trailer.



## Towing

When towing the restroom trailer it is required that the waste and fresh water tank be pumped and drained to prevent structural damage or unsafe driving conditions. The platform and ramp need to be properly secured. When connecting the trailer to a tow vehicle, attach the safety chains and emergency breakaway cable to the tow vehicle. Then, connect the 7-Pin electrical cord to the vehicle. Notice that the coupler has an open/close pin system. Put the pin in the "close" position to lock the trailer.

For safety, the break-away cable will activate the trailer's emergency brakes if it becomes disconnected from the tow vehicle. The breakaway switch and brakes can be tested by pulling cable out of switch at any time to verify the system is functioning.



The optional spare tire is mounted on the rear of the trailer. We recommend to properly secured your spare tire, tightened all lug nuts and check tire pressure to 100 psi before travelling to an event. Always check to be sure the trailer marker lights, tail lights, turn signals, and brake lights are in proper working order. Do not travel on roads without working lights.

## Transporting Your Restroom Trailer

### Outside the Trailer:

1. Make sure the coupler hitch is in the full locked position on a 2 5/6" ball and pin is in place.
2. Check trailer brakes to make sure they are functional. (if installed)
3. Make sure breakaway tether is connected from brake away switch to the truck.
4. Check brake lights, running lights and turn signals to make sure they are operational.
5. Make sure safety chains are connected.
6. Make sure all handrails, ramp and platform are in and secure.
7. Make sure platform and ramp are secure.
8. Make sure entry, service, and baggage doors are locked.
9. Make sure all leveling jacks and axles are secure for travel and chains are wrapped around handles in back.
10. Check tire pressure, should be 100 psi.
11. Tighten all lug nuts.
12. Make sure trailer has temp tag, dealer plate or permanent license plate.

### Inside Trailer

1. Make sure doors are secure.
2. Trailer clean and free of debris.
3. Close vents.
4. Service area –breakers off, clean.

# BEFORE EVENT SET UP CHECKLIST

1. Deploy Sidewinder Jacks.
2. Raise trailer to unpin axles on driver and passenger side.
3. Lower trailer
4. Deploy Platform and Ramp.
5. Connect Power Cord to Power Source. (See Electrical)
6. Level Trailer.
7. Connect 3/4" Garden Hose to Trailer Water Connection. (See Plumbing)
8. At Service Area, Turn on Main Breaker. (See Electrical)
9. At Service Area, Turn on all of the components you wish to use.  
(See Electrical - AC, Converter, Water Heater, Heater Controls)
10. At Service Area, Open Bottom City Water Valve and close upper water tank valve.  
(See Plumbing for Hose Operation)
11. At Service Area, Close Bottom City Water Valve and open Upper Water Tank Valve.  
(If Fresh Tank Only.)
12. At Service Area, Turn on Water Pump Switches if using fresh tank. (See Electrical)

**Note: For fresh tank operation, see "Operating Using On Board Fresh Water System."**

# AFTER THE EVENT - TEAR DOWN

After your event has ended the trailer is ready for tear down and transportation home.

1. Lock folding platform and ramp.
2. Raise trailer to unpin axles on driver and passenger side.
3. Shut off all electrical outlets.
4. Place all cords in storage compartment.
5. Disconnect plumbing from trailer.
6. Lower jack until foot is in the air then pull quick release lever and continue until it retracts.
7. Secure all electrical and plumbing storage compartments and close all vents.
8. Attach coupler until it is in the LOCKED POSITION and insert lock pin.
9. Attach two safety chains.
10. Empty fresh water tank.
11. Empty waste tank before transporting.

# INITIAL SET UP

Initial set up begins with securing the unit, deploying platform, handrails, and ramp, plugging in electrical connections and hooking up water lines. See electrical and plumbing sections after initial set up and deploying platform and rails. There are two way of setting up your trailer the remote control and the control pad on the interior of the trailer.

## Securing the Unit



On site, first unhook from tow vehicle. Position the trailer on as level a surface as possible with the cabin doors facing the event. Always check the trailer wheels. Position the sidewinder jacks, and jack the trailer up so that it is level front to back and side to side. This can be done visually or with a level. Remember leveling the trailer side to side downhill will require you to support the downhill tires with a 2 X 8 boards.



Rear of Trailer



Side-Winder Jack (Front)

The Satellite Suites <sup>TM</sup> ADA+2 trailer has two 7,000 pound side-winder jacks located in the front of the unit. This is designed to keep the trailer stable and secure when in use.

## Using the Remote Control

At the mechanical room of the trailer, the remote will flash, now hold the button down till it goes to one position retract or extend. At the back of the trailer, extend one Jack at a time. The jacks must be high enough in the extended position in order to unpin the axles to lower it to the ground. Remember, the jacks must be high enough to safely unpin the axles. Once you have deployed the first jack then proceed to the next jack. On the ramp side, raise the right jack to take pressure off axle. We recommend the following step by step instructions before operating the trailer.



Remote Control



Control Pad Option



Press on Hold in until it flashes.



At the Rear Press Extend.



Raise Jack to Unpin Axles



Lower Jack

## Axles Lock

Near the tire, remove the clip, pin, and bracket then place them in the service area during your event. Repeat the process on the driver's side of trailer.



Remove Safety Clip



Pull Clip out of Bracket



Remove Pin



Remove Bracket



Repeat process on Driver's Side



Raise Jack to Secure.

Proceed to the front of The Satellite Suites™ ADA+2 trailer. Using the remote lower the front jack to secure the trailer. We recommend the following step by step instructions before operating the trailer.



## Deploying the Platform

We recommend the following step by step instructions before operating the trailer. .At the side of the driver's side of the trailer remove the treshold and secure it. At the right side remove the right clip then the left clip. Secure the platform on the ground. The clearance between the door and platform must be checked.



Unlock Platform



Unlock Platform Support



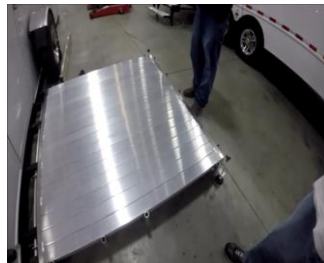
Unlock Right Support



Unlock Left Support



Lower Platform



Level Platform



Secure Door and Platform

## Installing the Treshold

Install the treshold between the trailer and platform.



Treshold

Install Treshold

## Platform and Ramp Assembly.

At the driver's side of the trailer, remove the right and left clips to unlock the platform ramp. Lower the platform ramp and carry it to passenger side of the trailer. Secure ramp to platform.



Unlock Ramp

Carry Ramp

Secure Ramp



Secure Ramp by Aligning Pins in Holes to Platform

Completed Ramp and Platform

## Installing Handrails.

At driver's side of trailer, unlock the handrails. Carry handrails to platform. Insert handrails into slots and secure.



Unlock Side Rails



Install Side Rail



Install Side and Front Rails

## **Sidewinder Leveling Jack Installation**

The Satellite Suites™ ADA+2 trailer has two side-winder jacks located in the front and back of the unit. We recommend the following step by step instructions before operating the trailer.



Sidewinder Leveling Jack



1. Remove Keeper Pin.



2. Insert Keeper Pin.



3. Remove Quick Adjust Pin.



4. Adjust Height and Insert Pin.



5. Once in contact with the ground rotate three to five times.

# ELECTRICAL CONNECTIONS

To operate the system after trailer is leveled, platform, ramp and hand rails are deployed, water connections are installed. all electrical cords must be connected before operating the trailer.



Service Area Outlet

## Power Cords and Outlets Service Area.

Select power cord from storage compartment and plug into the electrical outlet. If the unit has power, it will show a blue light on the cord and at the cord connection at the trailer. If blue light is not present then check power connections to see if plugged in and the power supply is on. The power cord can be used with a twist lock connection to the generator or with an adapter to use in a standard outlet with 20 amps available.

**THE CORD IS 30 AMP TWIST-LOCK STYLE, BUT WILL NOT DRAW MORE THAN 20 AMPS.**



Check Blue Light on Cord



Check Blue Light on Trailer

## Power Cords.

### ADA+2 Trailer Power Cords

Cord 1 - Main (30), Converter (15), Air Conditioning (20)

Cord 2 - Main (20), Service Area (15), Water Heater (15)

Cord 3- Main (30), Men's Heat (15), Women's Heat (15), ADA+2 Heat

The Satellite Suites ADA+2 trailer includes up to four easy to use power cords. Trailers come equipped with one 25' 10-gauge cord, with twist-lock connection and standard outlet adapter PER breaker box. The ADA+2 trailer can operate from a single 20-Amp service (including AC, lights, water pump, vents, entertainment package). A second cord is required for the optional water heater. A third cord is required for the optional forced air heat. All breakers are designed to draw no more than 20 Amps each. When running cords longer than 25', use 10 gauge extension cord. No more than 100'.

## Electrical Outlets.

The Satellite Suites™ ADA+2 restroom trailer has one to four easy to use electrical outlets. We suggest running all electrical cords after connecting through the easy to use drop down access port.



Electrical Outlet Access Port

## Service Area



The Satellite Suites™ ADA+2 trailer service area is located at the driver's side of the unit. The ADA+2 trailer has easy access to electrical, plumbing, and auxiliary controls. The following sections will assist you in troubleshooting your trailer if a problem occurs.

The service area has easy access to circuit breakers, fuses, 12 volt converter, battery disconnect, lights, vents, entertainment center, master and secondary water pumps.

## Breaker Boxes



Single Breaker



Multiple Breakers

The Satellite Suites™ ADA+2 trailer has two breaker boxes located in the service area. We suggest checking all breakers you select are in the on position before operation.



Breaker One



Breaker Two

Breaker Box 1 Main (30), Converter (15), Air Conditioning (20)

Breaker Box 2 Main (20), Service Area (15), Water Heater (15)

Breaker Box 3 Main(30),Front Stall Heaters(15), Middle Stall Heaters (15), ADA+2 Heater (15).

## Fuse Panel



Removing Fuse Panel

Fuse panel

The fuse panel is located at the top of the 12 Volt Converter in the Service Area. Remove fuse panel with key or coin, open compartment, check and replace fuses if necessary.

### Fuses - All 15 amp

- |                 |                      |                     |
|-----------------|----------------------|---------------------|
| 1. Front Stall  | 6. Pump One          | 11. Leveling System |
| 2. Middle Stall | 7. Pump Two          |                     |
| 3. Rear Stall   | 8. Fans              |                     |
| 4. Porch Lights | 9. Air Conditioning  |                     |
| 5. Service Area | 10. Vacuum Controler |                     |

## Entertainment Center (Optional)



Entertainment Center

Bluetooth & Code

An optional feature to the Satellite Suites™ ADA+2 trailer is AM/FM Radio and Bluetooth technology. Music can be played from your Bluetooth capable mobile device or the event planners phone by entering the 0000 code.

## Electrical Switches



12 Volt Switches in Unit



12 Volt Switches

The Satellite Suites™ ADA+2 trailer includes six to eight panel switches to operate various lights, water pumps, and vent fans.

### 12 Volt Switches

1. Front Stall
2. Middle Attendant
3. Read Attendant
4. Porch Light
5. Service Area

### 12 Volt Switches

6. Pump One
7. Pump Two
8. Front Fan
9. Attendant From Middle Stall
10. Rear Fan

## Battery Disconnect



Battery Disconnect in unit



Disconnect Panel

Battery Disconnect allows power to flow from the battery. Interior and Exterior lights at night can be operated by turning the battery disconnect to the on position. At night the delivery driver can turn on lights for easy set up. If you lose power the battery disconnect can be turned on to provide lights, water and vents but air conditioning and heat will not be available.

Note: The battery disconnect switch must be in the on position and the converter plugged in for the system to charge. This operation can take up to 12 hours for a full charge.

## Group 31 - 12 Volt Deep Cycle Battery



A group 31- 12 volt deep cycle battery is located in the back of the unit on the rear side compartment. The main purpose of the group 31- 12 volt battery is to provide emergency braking should the trailer become disconnected from your tow vehicle. The secondary feature of the battery is to provide auxiliary power to run the lights, vents, water and entertainment center for a limited time.

1. Group 31
2. Recharge fuse/button
3. 100 amp resettable breaker
4. 6 watt solar charging. (Optional)

# PLUMBING

## Water Connections

To operate the system after trailer is leveled and stairs deployed, connect a 3/4" garden hose to the trailer's water connection. The trailer comes standard with a pressure regulator that cuts pressure to 40 psi. If no water is available the system can be operated by using the on-board fresh water tank. The 3/4" water connection is located in the service door at the side of the unit.



Water Connections Port.



3/4" Water Connection

Note: It is recommended to use 40-60 psi during operation. If the water pressure is above the recommended 40-60 psi your unit can overpower your fixtures inside the trailer. Golf Courses or municipal water systems normally have higher pressure. (100 psi.)

## Pressure Gauge



Pressure Gauge



Pressure Gauge

When water connections are connected to the trailer the pressure regulator will reduce the water flow to 40psi. It is recommended to check the pressure gauge before operation. If the pressure gauge indicates more than 60 psi reduce the water pressure at the source.

## Water Filter



The unit is equipped with a water filter. Check and clean the water filter periodically every 30-60 days.

## City Water Supply - Operating from a Fresh Water Hose Connection.

The trailer is designed to operate using standard city water. Once the 3/4" is connected, at the service area, open the bottom city water valve and close the upper water tank valve to operate. Do not use the water pump valve or switch since the fresh water connection will provide pressure to the system.

At Service Area:



Open the bottom city water valve.



Close the upper water tank valve.

## Operating Using On Board Fresh Water Tank System.



If city water is not available, the Satellite Suites ADA+2 trailer is equipped with an on board fresh water tank. To fill the fresh water tank, close the bottom city water valve and open the upper water tank valve. Once the tank is full, shut off hose and disconnect from trailer. Open

the pump supply valve coming from the bottom of the tank. It is located before and after the 12 volt master pump. Turn on the 12 volt pump switch to automatically pressurize the system. During use pump will turn on/off as needed. Should pump run continuously see troubleshooting section.

**Note: Be sure to fill the fresh tank on site. Do not transport with fresh tank full.**

### At Service Area:



1. Close the bottom city water valve.



2. Open the upper water tank valve.



The water tank must be emptied after the event is over. Open the 1 1/2" shut off valve to drain tank after the event is over. Do not transport the trailer with a filled water tank

# HVAC - (Heating, Ventilating, and Air Conditioning)

## Turning on the Air Conditioning Unit.

Turn on air conditioning at the control panel in the service area to cool. The setting must be colder than the inside temperature to operate. The AC/Heating unit's temperature is measured by the inside cabin thermostat sensor.



1. AC/Heat Control Panel 2. Thermostat Sensor 3. AC Breaker

To operate the air conditioning unit, the main breaker, 20 amp AC breaker, thermostat and 12 volt converter must be turned on. The main breaker must always be in the on position.

## Turning on the Heat Strip in the AC Unit

Turn on heat at the thermostat in the service area to warm. The Heat Strip temperature is measured by the inside cabin thermostat sensor. The heat strip will heat the unit down to the outside temperature. Below that, use the optional forced air heaters if your trailer is equipped with them.



1. AC/Heat Control Panel 2. Thermostat Sensor 3. AC Breaker

To operate the heating unit the proper circuit breakers, thermostat and the 12 volt convertor must also be in the on position to operate.

## Optional Forced Air Heat



Forced Air Control



Service Area Heater

Optional forced air heat is located beneath the vanity. The main breaker and appropriate (men's/women's) switch must be in the on position. Use the forced air heat when the outside temperature is below 50 degrees Fahrenheit.

## WASTE TANK

### Clean Out Port for Waste Tank.



Access Tank

The Satellite Suites™ ADA+2 trailer has an easy to use 4" clean out port for your waste tank. We use a smooth polypropylene tank so waste won't stick to it when the unit is pumped. We suggested using a power washer to clean out the tank occasionally. The clean port is located in the service area at the top of the tank.

## Blade Valve with a 2" Quick Connect Cam.



Blade Valve



Accessible 4" Clean Out Port.

The unit includes a blade style dump valve with a 2" quick connect cam. The blade valve dumps from the bottom of the waste tank with a low point sump. Connect vacuum hose to 2" quick connect cam to dispose waste. Tank is vented to allow air in as it is pumped. The Blade style dump valve is located on the side of trailer near the service area.

1. Check tank located in the service area to determine if the tank needs pumped. ALWAYS pump the tank before transport.
2. Lower Tongue Jack to create gravity in the waste tank.
3. Connect vacuum hose to 2" quick connect cam located in the front of the trailer in the protected area inside the tongue.
4. Open valve.
5. Vacuum waste from tank.
6. Add water deodorizers to bathroom toilets or at the top of the tank.



High Level Indicator



High Level Mark



Indicator Light (60 Flushes)

The Waste Site Gauge is located in the service area. To prevent overfilling, the high level indicator will be lit. This will indicate when the waste tank should be emptied. We suggest checking the high level mark periodically. The system will allow only 60 more flushes before it automatically shuts down the vacuum. The indicator light will be lit when 60 flushes have been used.

## Deodorizer – 300 Gallon Waste Tank

Either at the shop prior to delivery, or at the customer site, charge the tank with Safe-T-Fresh™ QuickScents™ Bio packets. Dissolve and disperse 6 to 8 packets with 10% of tank volume to the waste tank through one of the toilets. Ideally, the units should be charged after each event and will be ready to go for the next event.

## Diverting Waste to an Outside Waste Tank or Approved Sewer.



External Valve



Open Valve



Close Valve

If your trailer is using an onsite waste tank , you can follow these easy steps to divert your waste to an onsite waste tank. First, inside the service area, open diverting valve then close upper tank valve. Remove the valve cap on the outside of the unit and connect to an outside source. This process will allow you to connect and drain your waste tank to an outside source waste tank.

# WINTER OPERATION - ARCTIC PACKAGE

If your trailer is equipped with the optional Arctic Package, when temperatures approach freezing, the Arctic Package will provide electric forced air heat to the cabin, service area, waste tank insulation and 110 volt waste tank heat pads. The Arctic Package is operated during fall and winter months for heating the waste tank, service area and interior cabin.

To operate the Arctic Package:

1. Plug in all electrical cords (20 amp max.) into all receptacles (1,2,3,4).
2. Turn on all electrical breakers. (except Men's and Women's AC)
3. Turn on cabin heat below vanity and adjust thermostat in the service area.
4. Turn on circuit breaker switch for heat pads.

## Waste Tank Heater

The Arctic Package provides protection from inclement weather. Frigid temperatures can cause freezing of your waste tank. The optional forced air heat will provide heat to the unit under 45 degrees.

## Waste Tank Heater Circuit Breakers



Main/Waste Tank Heat/Service Room Heat (Breaker Four)

If your trailer is equipped with the optional Arctic Package, it will have four breaker boxes located in the Service Area. Turn on the Main/Waste Tank Heat/Service Room Heat Breakers to operate the heat. To operate the waste tank heater all breakers must be in the on position.

## Tips When Operating in Inclement Weather

We suggest the following tips when operating in inclement weather.

### Dump Valve

Ice and snow can prevent your dump valve from operating efficiently. Clear all ice and snow away from the valve before using. The dump valve should be insulated with heat trace to prevent freezing.

### Water Supply

Ice and snow can freeze your water supply lines and prevent you from operating efficiently. Clear all ice and snow away from the 3/4" water valve before using. Check your water supply source to make sure it is clear and flowing before operating. Supply lines should be insulated with heat trace to prevent freezing..

### Monitoring your System

We recommend monitoring the water and heating system often. This will ensure your trailer will not require maintenance or replacement parts due to winter operation.

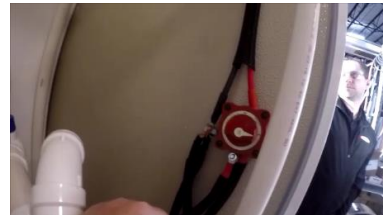
## VACUUM TECHNOLOGY FOR SINKS AND TOILETS



Turn on Control.



Control will cycle



Turn on Switch

The Satellite Suites ADA+2 restroom trailer employs JET Technology for all toilets and faucets. Turn the control on and automatically it will run through a cycle. Whatever the setting the unit was set for it will automatically return to the setting. Turn on the pump disconnect switch to on. Turn the water system on in the unit. Once the system is primed the toilet and faucet will be able to operate. The ADA+2 f water continues to run too long or short, the faucet cartridge can be adjusted for more or less water flow.

## TOILETS



The Satellite Suites ADA+2 restroom will automatically flush at a touch of a button.

## FAUCETS



Faucet



Black Water Tank

The Satellite Suites ADA+2 restroom vanity are gravity flow will automatically flush. The unit empties into a gray water tank located on the driver's side of the trailer. After 2 1/2 gallons the system will flush into the waste tank.

# ADJUSTING FAUCET

## Adjusting Water Flow

If water continues to run too long or short, the faucet cartridge can be adjusted for more or less water flow. **Always shut the water off before repairing the faucet. The water shut off valve located at the water port at the side of the trailer.**



1. Remove Cover Plate



2. Remove Fastener



3. Remove Cartridge



4. Adjust Cartridge by Loosening Hex Nut.

Be sure to reverse your steps and reinstall the cartridge.



Disassembled Aerator.



Cleaned Aerator Assembled



Aerator

The sink aerator will need periodic cleaning to increase your water flow. After maintenance is completed be sure to turn the water in your unit back on.

# TROUBLESHOOTING

## Problem

## Solution

I don't have water.

Check water connections.

Check water source.

Check water shut off valves.

I don't have power.

Check power cord for blue light.

Check power connections.

Trailer has to be grounded.

Jacks must be touching the ground.

Check main breaker is on.

Air Conditioning does not work.

Check power source.

Check AC breakers are on. (Men & Women)

Check power connections & main breaker.

Check thermostat is on.

Check converter breaker is on.

Vents do not work.

Check main breaker is on.

Check vent switch on converter is on.

Check power source.

Check 12 volt fuse.

Lights do not work

Check main breaker is on.

Check lights switch on converter is on.

Turn on Battery Disconnect (auxiliary power).

Check power source.

Check 15 amp fuse.

Faucets run too long or short

Adjust Sink Cartridge.

Urinals run too long or short.

Adjust or replace the urinal flush valve cartridge.

Toilets won't stop running.

Close shut off valve behind toilet.

Replace base.

## CONTACTING CUSTOMER SERVICE

CALL THE MAIN BUSINESS OFFICE AT 574-350-2150 FROM 8 AM -5 PM EASTERN TIME ZONE. AFTER HOURS CALL 704-287-2065.

# WINTERIZING



As temperatures fall below freezing your Satellite Suites trailer will need to be winterized, unless it is in operation and equipped with the Arctic Package (see accessories). All water must be removed from the trailer or be treated with RV Antifreeze (propylene glycol). RV Antifreeze is environmentally safe and therefore the only antifreeze recommended for winterizing the trailer.

Failing to follow the winterization process instructions below will likely result in costly repairs to the trailer.

There are two methods to winterize your trailer. One method is to use compressed air and a minimal amount of RV Antifreeze. The other method is to pump RV Antifreeze throughout your entire water/plumbing system.

**Winterizing with Compressed Air** – To use this method you will need an air compressor and air hose with a  $\frac{3}{4}$  inch treaded hose fitting at the end to connect to the water intake valve on the trailer. If your air hose does not have a  $\frac{3}{4}$  inch threaded fitting on the end, remove one from the end of a garden hose and attach it with a hose clamp. An operator should run a small amount of RV antifreeze through his pump(s), since even running dry still leaves some water inside the plumbing and tanks.

To begin winterizing your trailer, drain the trailer's fresh water tank, water heater and water pump. There is a drain on both the fresh water tank and water heater. **NOTE:**

**Some trailers do not have water heaters and therefore, do not need servicing.**

Next, run the water pump until it is dry but stop immediately after. The system is now ready to be cleared using compressed air. Start by connecting the air compressor to the water intake valve on the side of your trailer. Next, open the Fill Valve on the freshwater tank. Turn on the compressed air and clear the line. Close the Fill Valve when finished. Next, open the City Fill Valve and turn on the compressed air. With the compressed air on, begin opening each of the toilet and water fixtures in the trailer, beginning with the one furthest away from the air supply and working back towards the

air source. Flush each toilet and urinal until there is only air escaping. Turn off the air compressor when toilets and urinals are clear.

Next, make sure the ball valve on the toilet is closed and add a few ounces of RV Antifreeze. For the urinals, pour in 16 ounces of RV Antifreeze in each urinal.

The trailer's water system is now clear and ready for storage.

**Winterizing using RV Antifreeze** – To winterize using this method you will need an on-board water pump or external 12 volt pump along with a clear antifreeze supply hose. For trailers with a water heater, use the water heater drain and empty the unit. Now, open the bypass valve. This prevents antifreeze from flowing into the water heater.

The next step is to use the clear hose and connect it to the intake of the water pump. Once complete, put the end of the clear hose into a gallon of RV Antifreeze. Turn on the pump to begin pumping antifreeze into the system.

Starting at the fixture furthest from the water pump, open the fixture and run until only pure antifreeze is visible. Do this for each toilet, sink and urinal.

Also, if you are using an on-board pump to distribute the antifreeze, be sure to open the City Fill Valve and External Shut-Off Valve at the City Water Connection. Run until pure antifreeze is visible.



## GENERAL RESTROOM TRAILER MAINTENANCE TIPS

### **Cleaning**

The entire trailer can be cleaned with general household cleaners. Tar and grease on the outside of the trailer should be cleaned off using mineral spirits. To clean the tank, use a high pressure sprayer.

### **Short Term Storage**

Properly maintaining the trailer between events will increase the life of the trailer and prevent unwanted odors. Before discussing the proper methods of storage, always remember to pump the waste and remove the fresh water from your restroom trailer before transporting. When the trailer returns from an event clean the inside as you would a bathroom at home, with standard household cleaners, towels and a broom or mop depending on floor condition. Wipe down all surfaces making sure the interior is clean and dry.

Other steps for proper storage include making sure all doors are locked and sealed to prevent rain, snow, or bugs from entering the trailer. With the Satellite Suites trailer the roof vents can remain open in mild weather to allow fresh air to circulate (Maxx Air covers keep the rain out). Make sure all breakers are turned off and that all steps and handrails have been returned to their locked travel position.

Following these basic steps will ensure a long, low-maintenance life for your restroom trailer.

# WARRANTY



## 3 -Year Limited Product Warranty

Satellite Industries, Inc. hereby warrants to the original purchaser that the Satellite Suites™ restroom trailer will be free of manufacturing defects in materials and workmanship for a period of three years from the date of shipment. If upon examination by Satellite Suites™, or our representative, any covered part or parts are determined to be defective Satellite will provide, free of charge, the repair or replacement of said items at Satellite's discretion. This warranty is subject to the following exclusions and limitations.

1. Customer Responsibility: The customer shall be responsible for normal maintenance and adjustments of the products. Notification must be made to Satellite Suites™ of the need for warranty repairs. Satellite will not be liable for transportation costs to and from repair facility, loss of revenue from down time or cost of rental equipment.
2. This warranty does not apply to components or accessories not manufactured by Satellite which carry a manufacturer's written warranty: air conditioners, heaters, faucets, toilets, water pumps, converter, vent fans, power converter
  - a. In order to expedite claims, Satellite Suites will handle credit from manufacturer. Contact Satellite Suites at 574-350-2150.
  - b. Warranted part(s) must be returned to Satellite Suites in order for part to be covered.
    - i. Satellite Suites™, Attention: Warranty, 1686 Commerce Drive, Bristol, IN 46507
3. This warranty applies only to products placed in normal use. It does not apply to any product that has been abused, neglected (i.e. lubrication, tire pressure, transported with full waste tank etc.), exposed to abrasive or corrosive chemicals, damaged in an accident or failures caused by lack of routine maintenance or winterization per Satellite Suites™ winterization procedure (<https://www.satelliterestroomtrailers.com/resources/winterizing>). Items that have been altered or repaired by anyone other than Satellite or a repair facility authorized by Satellite will also be excluded from warranty coverage.

## **CLAIMS EXCLUDED FROM THIS WARRANTY**

Satellite Suites™ is not responsible for claims relating to any of the following: (1) any type of defacing, including scratches, dents, chips, tears, or defacing on any surface not caused by the Manufacturer; (2) Floor wear; (3) damage due to unauthorized repairs, abuse, misuse, neglect, or overloading (as determined by the GVWR); (4) metal corrosion from fertilizers, cement, caustic chemicals etc., (5) damage caused by improper hitch ball or tow vehicle hook up; (6) damage caused by loose or improperly torqued lug nuts; (7) paint, decals, or graphics; (8) tow vehicle wiring; (9) tire alignment; (10) damage to any tow vehicle; (11) damage caused by acts of God or terrorism; (12) damage caused by theft of vandalism (12) damage caused by towing with water or waste in tank(s) and/or towing over the rated GVWR.

## **DISCLAIMER OF FURTHER WARRANTY**

**THE MANUFACTURER MAKES NO EXPRESS OR IMPLIED WARRANTIES OTHER THAN AS SPECIFICALLY SET FORTH IN THIS WARRANTY. NO EMPLOYEE OR AUTHORIZED REPRESENTATIVE HAS THE AUTHORITY TO CHANGE OR MODIFY THIS WARRANTY. IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY, FITNESS FOR AN INTENDED PURPOSE ARE EXCLUDED TO THE EXTENT OF THE LAW AND WHEN NOT EXCLUDED ARE LIMITED TO A PERIOD OF ONE YEAR FROM SHIPMENT. IN NO EVENT SHALL SATELLITE INDUSTRIES, INC., BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY OR MAY NOT APPLY TO YOU. FOR WARRANTY SERVICE CONTACT SATELLITE SUITES™ AT 574-350-2150.**