



# **Spyder Controls 7 inch Touch Screen Panel - 2018 Operation Guide -**



# BATTERY DISCONNECT SWITCH:

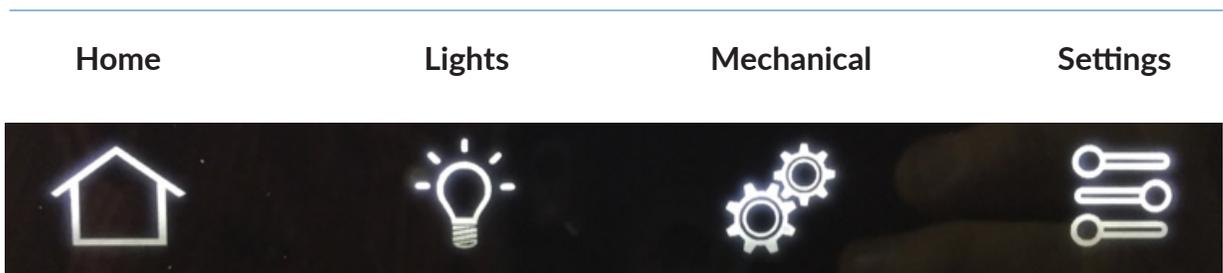
- To operate the touch panels the battery disconnect switch must be in the on position. (This applies to the front and rear touch panels)



- Touch anywhere on the touch panel and the display will light up.

# DISPLAY SCREEN MENU SYMBOLS:

- The menu buttons are located at the bottom of the screen. There are four menu buttons to choose from: Home, Lights, Mechanical and Settings.



Touch a menu symbol to display the screen that you want to access.

# HOME SCREEN:

- ➔ To access the home screen, touch the house symbol on the bottom of the touch screen.



The item on the display is 'on' if the control switch is displayed in light blue.

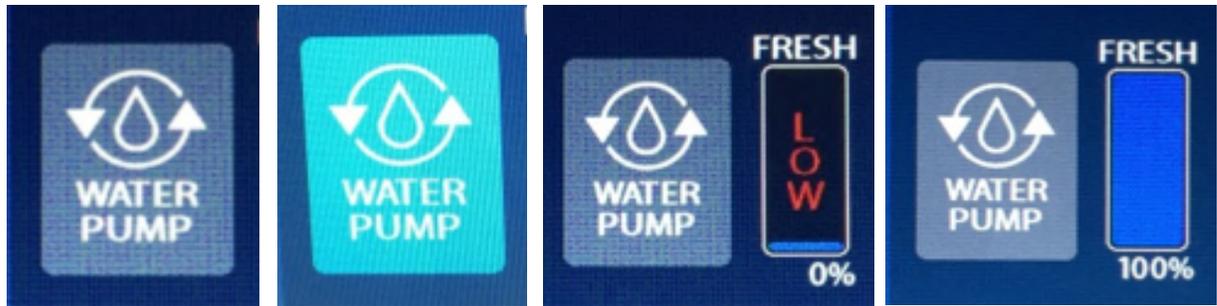
The home screen display will have:

- (1) light touch pads and direct access to all lighting page,



- ➔ These touch pads will allow you to turn on or off the sofa valance lighting (under cabinet lighting), and the main living room lighting.
- ➔ Touching and holding the light touch pad will allow the brightening and dimming of the lighting.
- ➔ Touching the Lighting Page area will bring up a complete screen of light switches for all lighting.
- ➔ Touching the Back Light touch pad will turn off the display lighting. To turn the display back on touch anywhere on the screen.

## (2) water pump touch pad,



- Touch the water pump touch pad to run the on-board water pump.
- Ensure there is water in the fresh water holding tank before engaging the water pump.
- The water pump should not be turned on when the motorhome is connected to city water.
- Best practices turn off the water pump when the water system is not in use or when you are going to be away from your motor home.

## (3) tank level panel,



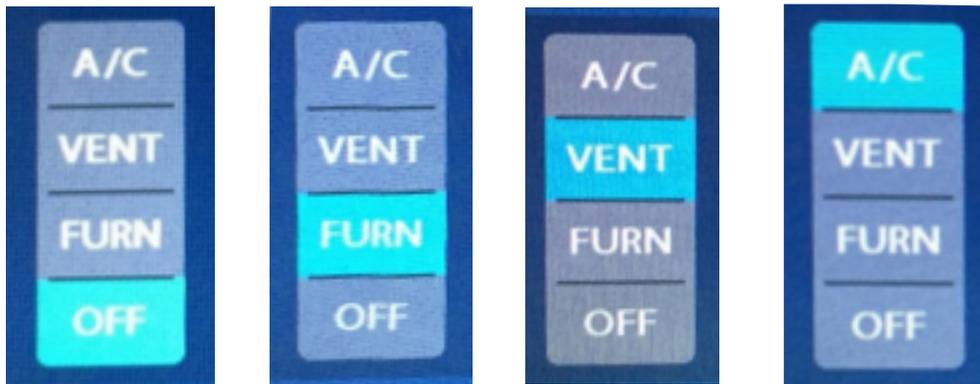
- The tank levels on your monitor panel will measure in 25% increments.

## 4) Climate Control Center



- The climate control center displays the inside temperature and the desired temperature in the center column.
- The actual inside temperature of the coach is displayed in black.

- The desired temperature can be set with the use of the red and blue up and down arrows. The blue arrow will allow you to lower the desired temperature. The red arrow will raise the desired temperature.



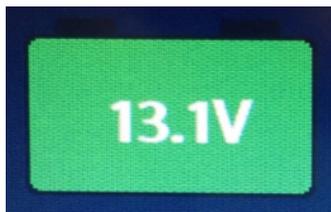
Mode buttons light in blue when activated.

- With the mode buttons select the desired item that you want to operate. You can select Furnace, Vent or Air Conditioner. These devices are thermostatically controlled.
- In the furnace mode (FURN), if the desired temperature is above the interior temperature the furnace will engage and warm the coach to the desired temperature. At the desired temperature the furnace will cycle off. If the temperature drops below the desired temperature the furnace will cycle back on.
- Ensure that the propane switch on the exterior of the coach is in the on position.
- Ensure that the fan speed on the right side of the red and blue arrow is set to FAN AUTO.
- If there is 110 volt available and the Fan is left on high or low the fan in the AC will engage during the furnace mode.
- In the VENT mode, if the desired temperature is below the interior temperature, the roof vent fan will open and the fan will engage. The fan will run at high speed until the interior temperature reaches the desired temperature. When the interior temperature reaches the desired temperature the fan will shut off, however the vent lid will remain open. The fan will cycle off and on to keep the desired temperature.
- In the A/C mode 110 volt power from a shore line or from the generator must be present to activate the air conditioner. In the A/C mode if the desired temperature is below the interior temperature the roof top A/C will engage to cool the interior of the coach. The FAN HIGH, FAN LOW and FAN AUTO are used to control the air conditioner fan speed. If the FAN HIGH or FAN LOW is chosen the air conditioner fan will continue to run while the air conditioner compressor will cycle on and off. If Fan Auto is chosen the air conditioner fan will cycle on and off a short time before and a short time after the air conditioner compressor engages. To keep the desired temperature.



The FAN HIGH, FAN LOW and FAN AUTO are used to control the air conditioner fan speed only. These controls will not affect the roof vent or the furnace fan speeds.

#### 5) Battery Voltage:



This gauge gives the battery voltage. The battery voltage will vary depending on the load. The battery voltage will change depending on the amount of charge the battery is receiving from the solar panel, engine alternator, or converter.

#### 6) Loss/Gain Amperage Meter



The loss/gain amperage meter will allow you to monitor the amount of draw on the coach batteries. This allows the user to balance out the power use, to enhance the dry camping experience. The three examples above show a dry camping situation with little to no sun, plugged into shore power and dry camping operating the microwave on the inverter. The amperage readings will vary depending on the number of appliances in use, and the amount of charge going into the coach.

## 6) Generator Start/ Stop switch

Note: To operate the generator the LP switch must be in the on position and the LP tank must have adequate fuel for the Ascent, Plateau, and Plateau XL models. To operate the generator on the Lexor there must be at least ¼ tank of gasoline.



From these switches you are able to start and stop your generator. Touch and hold the button to start the generator. There will be a slight delay before the starter engages.

You also can monitor the number of hours that the generator has operated. This is important for service.

## 7) Automatic Generator Start



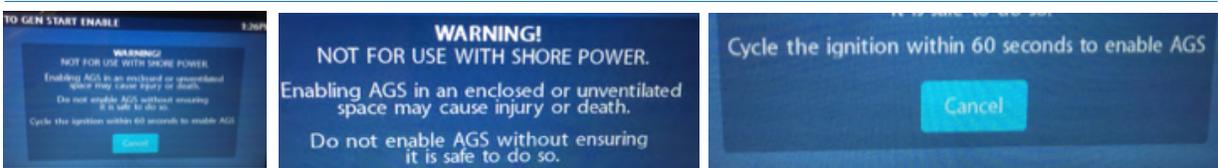
The automatic generator start can be used to charge the auxiliary batteries and/or for climate control in your coach.

**Warning:** Do not use the automatic generator start if you are plugged into shore power, or if you are in an area where running the generator is prohibited.

Note: To operate the generator the LP switch must be in the on position and the LP tank must have adequate fuel for the Ascent, Plateau, and Plateau XL models.

To operate the generator on the Lexor there must be at least ¼ tank of gasoline.

➡ Touch the AGS button to enable the Auto Gen Start function. A display will appear with warning and instructions.

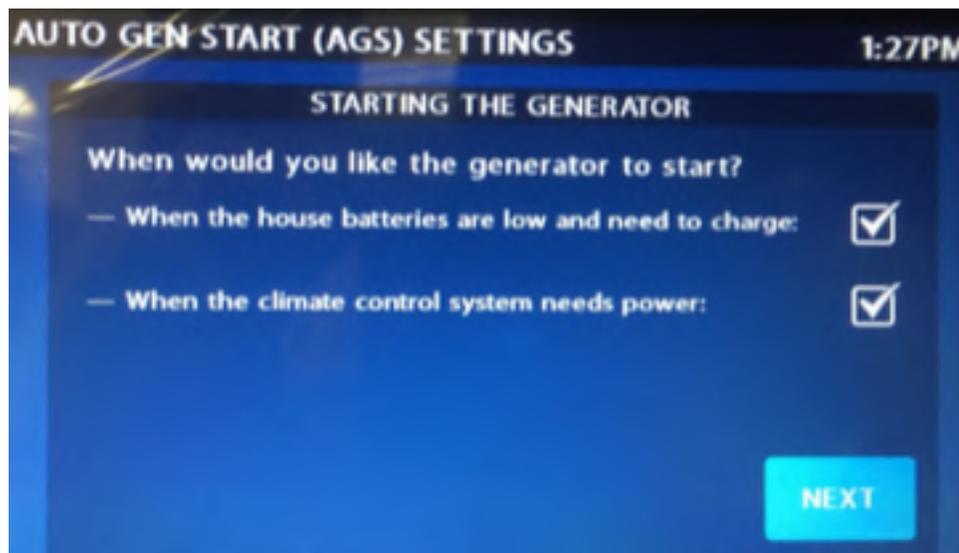


Auto gen start will not engage if you do not cycle the ignition with in the allotted time or if you touch Cancel on the screen.

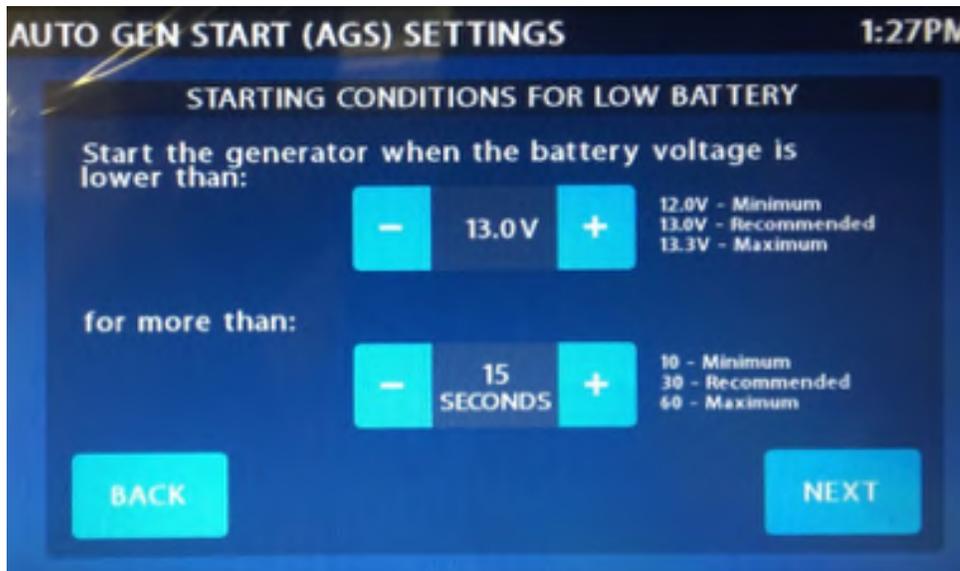
- Touch the settings button to set the parameters for Auto Generator Start. Once you touch the setting button you will have a choice between Easy Setup or Manual Setup. Touch the setup method you want to use.



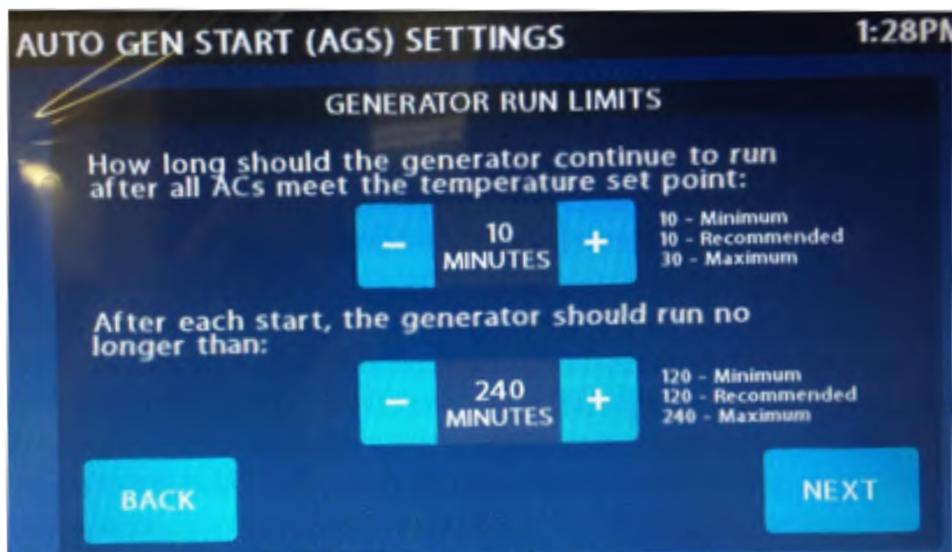
- Touch EASY SET UP for a quick set up of the start parameters. Starting The Generator. The first screen displayed will ask for the when you want the generator to auto start. Touch the boxes to check or uncheck the reason to enable.



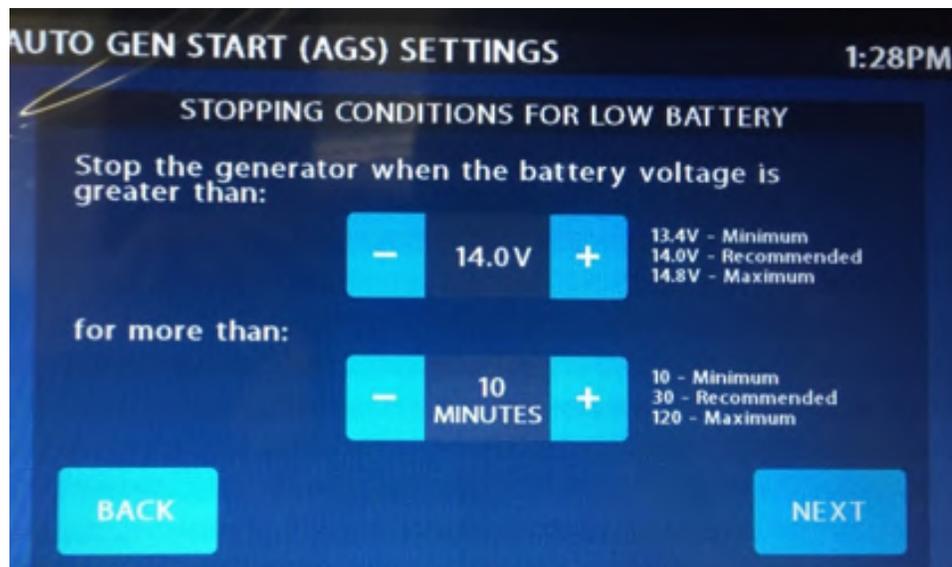
- Touch the next button to move to the next screen. Starting Conditions For Low Battery. This screen will enable you to set the voltage and the period of time below that voltage, where you want your generator to start. The generator when running will charge the coach batteries through the converter.
- By using the + and - on the touch pads you can change the settings.



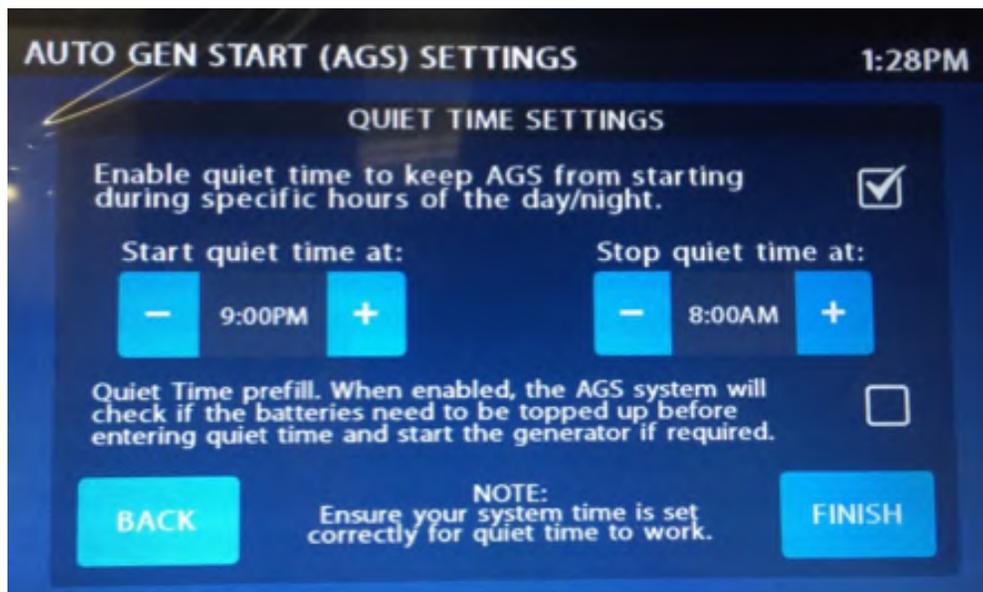
- Touch the next button to move to the next screen. Generator Run Limits. This screen will enable you to set the parameters for run time for the air conditioner settings. Once the Air conditioner has brought the coach down to the chosen temperature and cycled off the generator should continue to run for ten minutes. It will also allow you to set the maximum run time for the generator.
- By using the + and - on the touch pads you can change the settings.



- Touch the next button to move to the next screen. Stopping Conditions for Low Battery.
- This screen will enable you to set the parameters for the battery charging system. You will be able to set the desired charge voltage as well as the amount of time that the battery has held the voltage before the generator will shut down.
- By using the + and - on the touch pads you can change the settings.



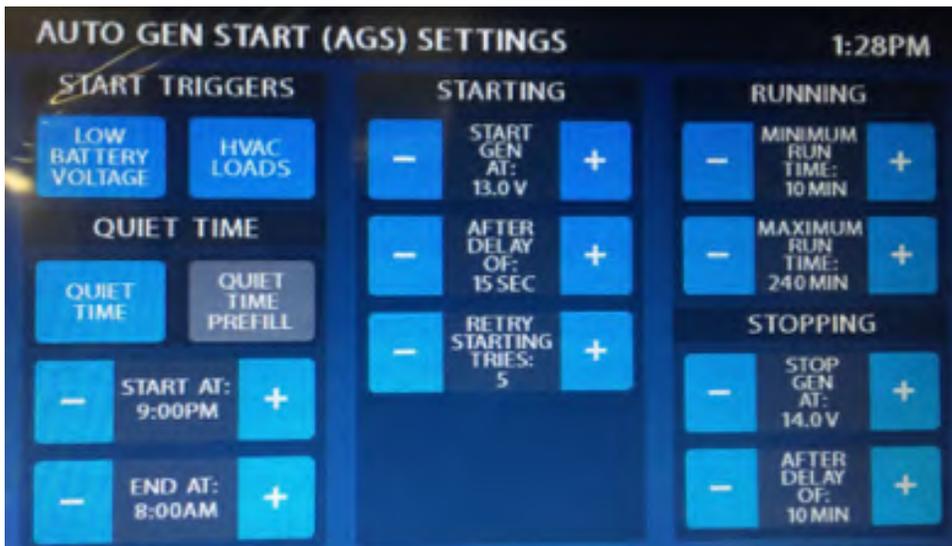
- Touch the next button to move to the next screen. Quiet Time Settings
- Touch the box in the right hand corner to enable or disable quiet time settings.
- Quiet time settings allow you to determine when the generator will not be allowed to run.
- Touch the box above the finish touch pad to Enable or disable a battery top up just before the system goes into quiet time settings.



- Touch the finish touch pad to complete the programming for easy set up.



- Touch Manual set up for a more in depth set up choice.



## START TRIGGERS

- Touch low Battery Voltage or HVAC loads to turn on the required triggers for auto gen start. The touch pad will be in light blue when it is turned on.
- Touch the quiet time touch pad to set the parameters for the quiet time settings. By using the + and - on the touch pads you can change the settings.

## STARTING

- By using the + and - on the touch pads you can change the settings, of battery voltage, delay if the generator fails to start and number of restart tries.

## RUNNING

- By using the + and - on the touch pads you can change the settings you can set the parameters for run time of the generator. This applies the HVAC setting.

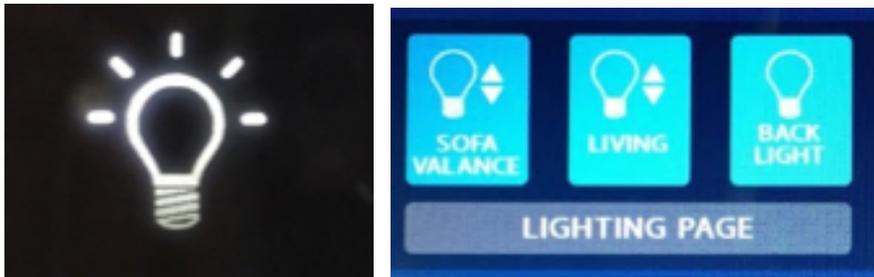
## STOPPING

- By using the + and – on the touch pads you can change the settings, you can set the voltage parameters and the amount of time the battery remains at that voltage before the generator will shut off. This applies to the low battery voltage setting.

If both the **LOW BATTERY VOLTAGE** and the **HVAC LOADS** are activated which ever one needs the most run time to acquire the desired result will override the other setting.

Note: The Automatic Generator Start for use of the HVAC system (Air Conditioning or Heating). The appliance must be selected on the main screen, the temperature must be selected and set on the main screen and the fan on the main screen should be set to Fan Auto.

### Lighting Page:



- You can access the lighting page by touching the light bulb on the lower display or by touching the Lighting page under the lights on the home page.



Ascent/Lexor

Plateau TS and FL

Plateau XL MB, TD or TS

- Touch the pad associated with the light or light area that you would like to turn off or on. When the light is on the touch pad will be in Light blue.
- Touch the master light touch pad to turn on or off all the lights inside the vehicle. The master light touch pad does not control awning lighting or the porch light.
- Touch and hold the light switch to dim or brighten the lights. Each light touch pad with the arrows beside the light bulb has the dimming capability.

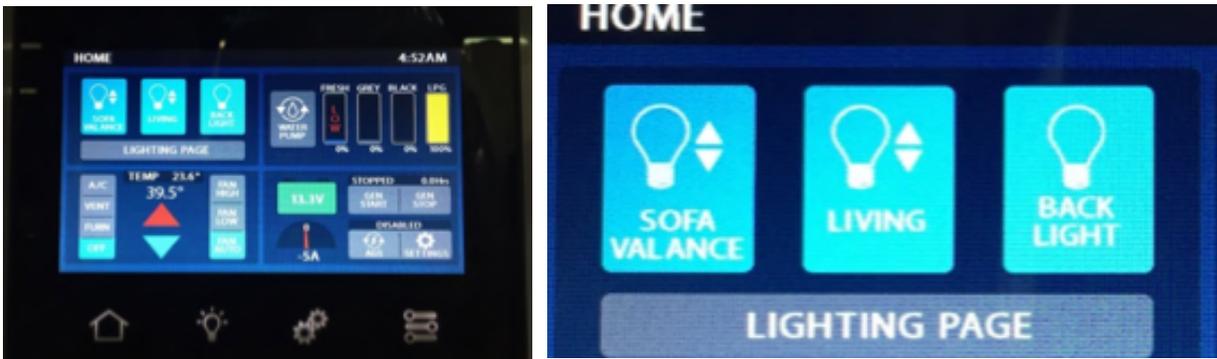
**Warning:** Ensure the awning light is off when the awning is retracted in the stow position.



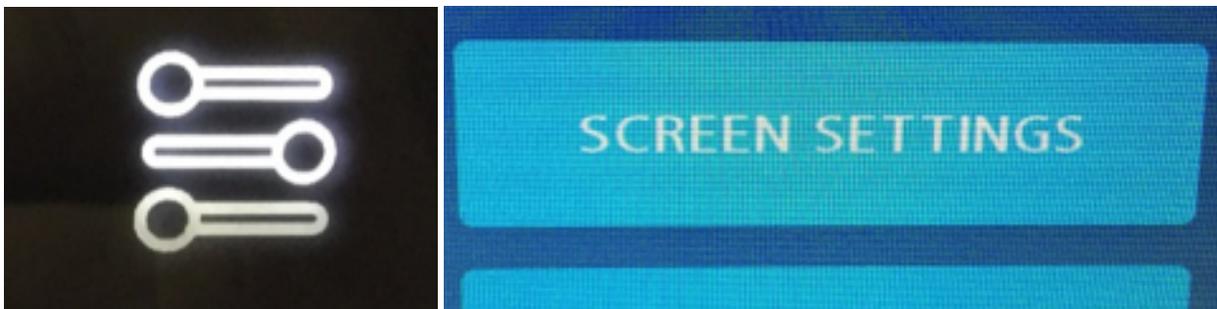
- ➔ To turn OFF the panel display, touch the BACK LGHT touch pad this will be on the home page. To turn the panel display back ON, touch anywhere on the panel.



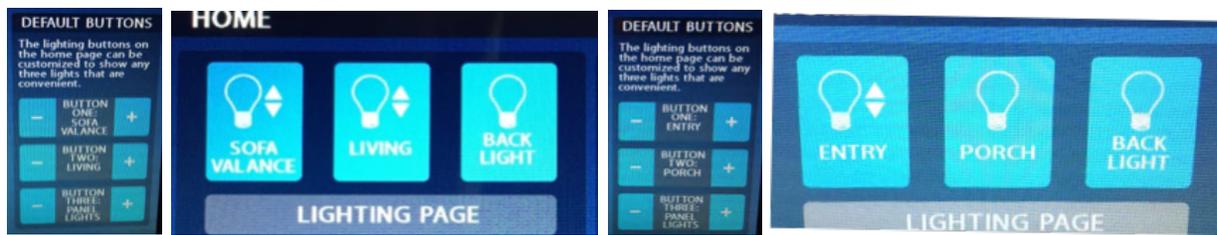
### Changing the Light Touch Pads on the Home Page:



- ➔ The home page on each panel can have three light touch pads. The light touch pads can be changed to accommodate your need by using the following instructions. It is recommended that you keep the Back Light or Panel Lights as one of the three options as this will allow you to turn OFF or ON the display lighting.



- ➔ Touch the SETTINGS touch pad.
- ➔ Touch SCREEN SETTINGS touch pad. This will bring up the default screen. Uses the + and - touch pads to scroll the lighting choices.



Note: Panel Lights and Back Light are the same setting.

# MECHANICAL PAGE:



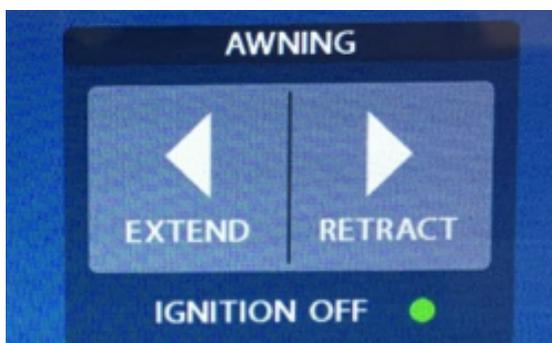
Touch the Mechanical touch pad to open the mechanical items page. These include the Fantastic fan, Awning and Power Sofa.

## Fantastic Fan:



- ➔ Touch the lid up touch pad to open the Fantastic Fan.
- ➔ Touch the lid down touch pad to close the fantastic fan.
- ➔ Touch the FAN touch pad to start the fan. The fan is also controlled by the thermostat, ensure the temperature of the thermostat is high than the inside temperature.
- ➔ Touch the + and - touch pads to increase and decrease the speed of the fan.
- ➔ This fan is an exhaust fan used to draw air out of the coach.
- ➔ The fan is equipped with a rain sensor so the fan cannot be operated when it is raining.
- ➔ The fan cannot be operated when the fan lid is closed.

## Awning:



- ➔ Touch the EXTEND touch pad to extend the awning. You will have to continue to touch the extend pad to fully extend the awning.
- ➔ Touch the Retract touch pad to retract the awning. You will have to continue to touch the retract pad to fully retract the awning.
- ➔ The awning can be operated when the ignition off light is lit in green.

- The awning will not operate when the vehicle is running.
- The awning does not automatically retract when the vehicle is started.

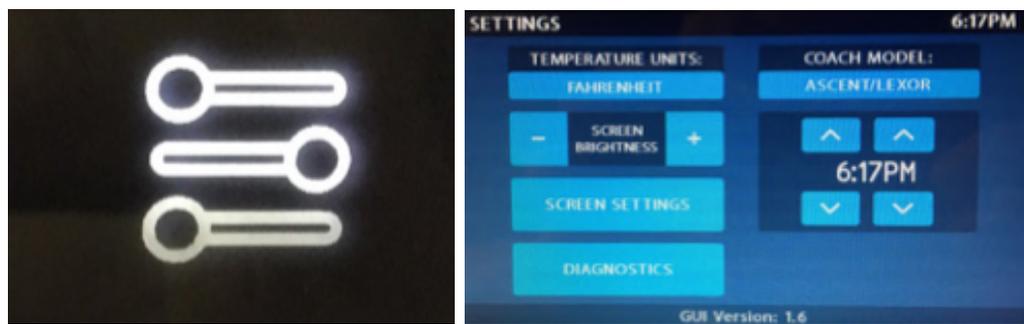
**WARNING:** Ensure the awning is fully retracted before starting the vehicle engine.

### Power Sofa:



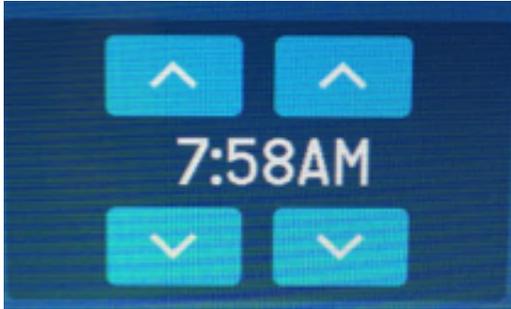
- Touch and hold the EXTEND touch pad to extend the power sofa.
- Touch and hold the RETRACT touch pad to retract the power sofa.
- The power sofa will not move unless the touch pads are held.

## SETTINGS PAGE:



- Touch the setting page touch pad. This screen will allow you to adjust temperature units, time, display items, model and diagnostics.
- Touch the Temperature unit to change from Fahrenheit to Celsius. This will allow you to monitor the interior temperature and set the thermostat according to your chosen measure.
- Touch the screen brightness + or - touch pads to set the screen to the desired lumens.

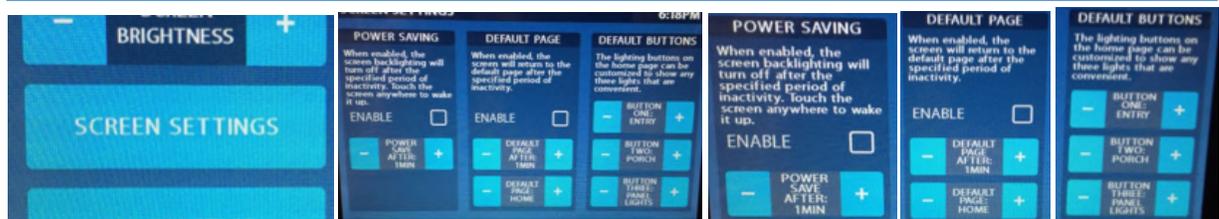
## Setting the Clock:



- Touch the left up or down arrow to change the hour reading on the display. To change from AM to PM you must run the clock through the 12 hour cycle.
- Touch the right up or down arrows to change the minutes.

Setting the clock is critical to the Automatic Generator Start Feature.

## Screen Settings:



- Touch the SCREEN SETTINGS to bring up the power saving mode, the default page and the default lighting set for the home page.
- Touch the ENABLE to activate the POWER SAVING mode by using the + or - you can set the number of minutes the screen will be active before it goes off. Once the screen goes off touch anywhere on the screen to bring the screen back on.
- Touch ENABLE on the DEFAULT PAGE this will allow you to set the time that the display will stay on any particular screen. When enabled by use of the + or - buttons you can set the time and the screen that you want for the default screen.

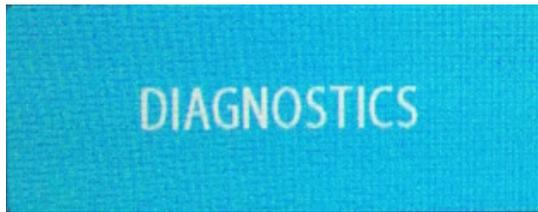
For example if you choose the home page as your default screen and you are on the lighting screen, the screen will return to the home screen after the number of minutes that was set on the display above.

- Lighting default screen. Uses the + and - touch pads to scroll the lighting choices.



Note: Panel Lights and Back Light are the same setting.

## Diagnostics



- Touch the diagnostic to pad to trouble shoot the DC electrical system.
- Touch STATUS this will give you the status of each system. If the Status is green the item is functioning as normal and the item is active. If the status is grey this item is not in use at this time. If the status is Red there is a fault with this item. On the fault page it will high light the fault.
- Touch the G6House this will display all circuits in the vehicle. If the circuit is lit in green it is active and being used. If the circuit is grey the circuit is not being used and the items on that circuit are not turned on. If the circuit is red there is a fault in that circuit.
- Touch the FAULTS. This will bring up all faults in the system.
- If you need Further information about the 7” Touch panels
  - 1) Contact your Pleasure-Way Dealer.
  - 2) Contact Pleasure-Way Industries Ltd. at 1-800-364-0189 or email [warranty@pleasureway.com](mailto:warranty@pleasureway.com)
  - 3) Contact Spyder Controls Ltd. 1- 866-919-9092 or email [info@spydercontrols.com](mailto:info@spydercontrols.com)



