

# 2027 Tiffin Allegro, RED, Bay

## 7" LCD USER GUIDE



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## Turning The Screen On

- The screen is powered by your coach's 12V system and will turn on when house-battery power is available and the disconnects are on.
- The LCD panel will go to sleep after a period of inactivity. If you approach the LCD and it is black (sleeping) tap anywhere on the screen to wake it up.
- If the LCD doesn't turn on and the coach's 12V system is confirmed on, call 866-919-9092.

## Interacting With The LCD

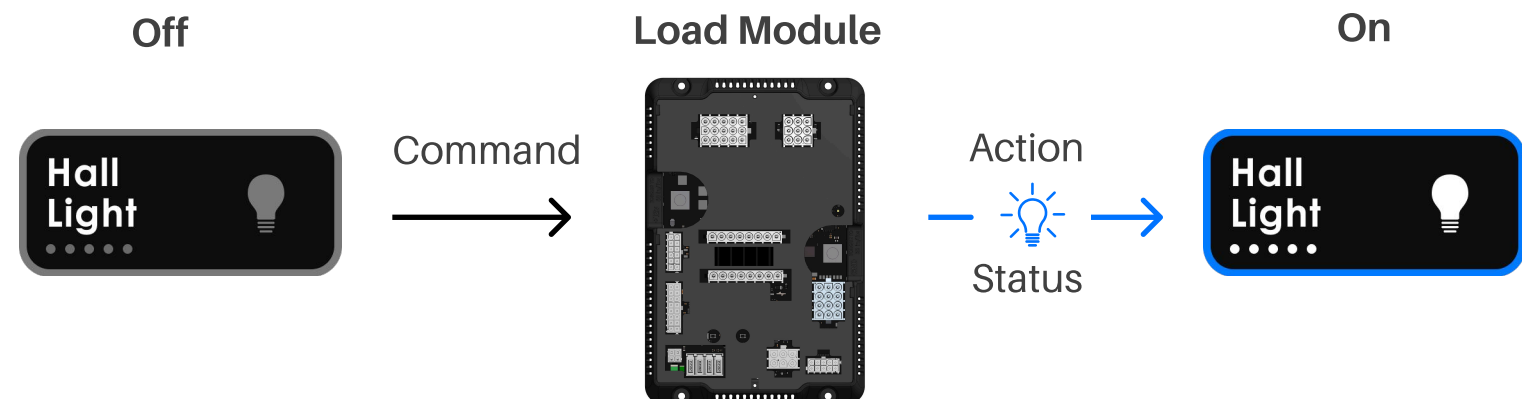
- The screen in your coach uses capacitive touch technology to interpret your touch.
- A firm touch is not necessary for the LCD to interpret your command.
- We recommend using a light and gentle touch when running slides and turning lights on and off.



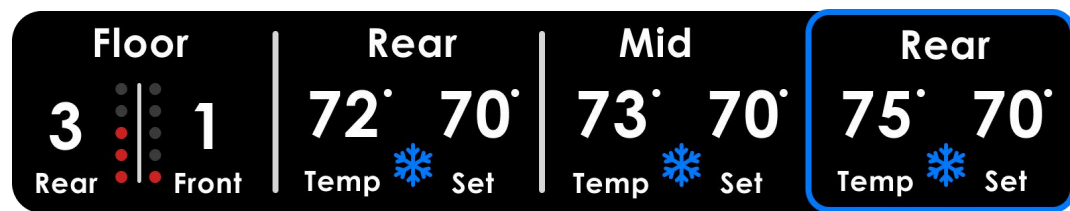
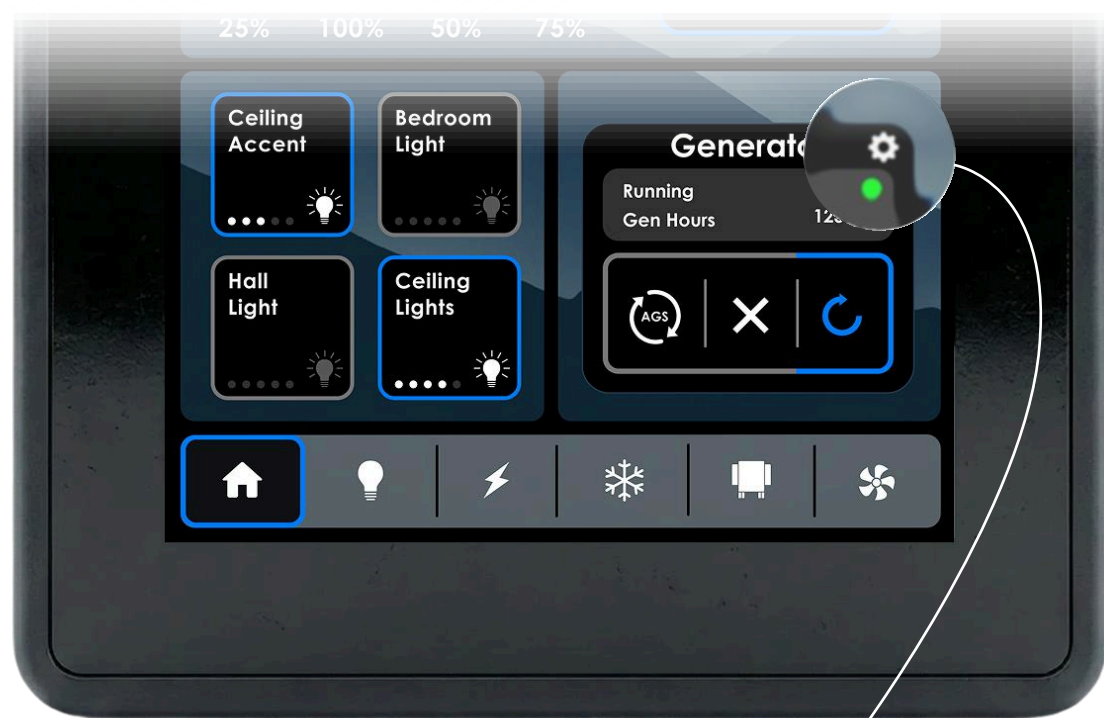
- Excessive hard pressing and holding may damage the LCD.

## Status

- The Spyder system in your coach is made of many individual modules working together to accomplish what you command it to do. All the Spyder modules in your coach communicate on what we called a network.
- When you press a button on a Spyder screen, that button sends a command across the network. Every Spyder device on the network sees the command, but only the device meant to act on it will respond.
- For example, if the command is to turn on a light, the lighting module receives it and switches the light on. Once it does this, the module sends a message back across the network to let every device know the light is now on.
- The screen that sent the original command also sees this status message and updates the button to show that the light has successfully turned on.



# Navigation



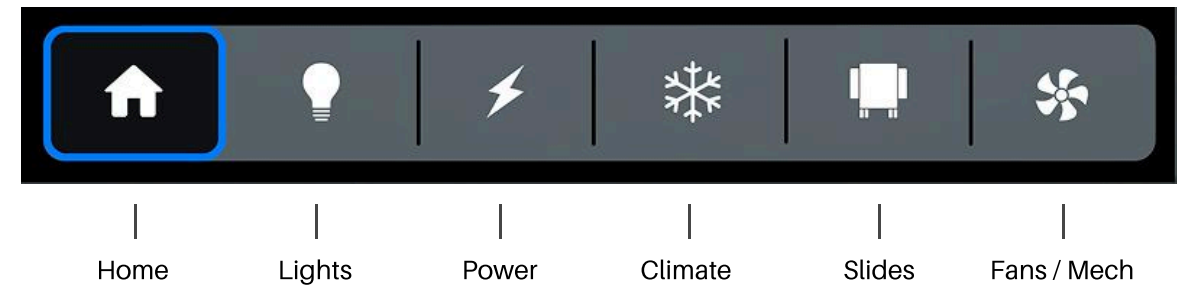
Inactive Tab

Active Tab



## Navigating With The Bottom Bar

- The bottom bar allows quick navigation between the various systems of the coach. The figure below explains which page the screen will jump to when pressed.
- The navigation item that is highlighted in blue indicates the **active page**, the top left corner of any page will indicate what page you are on, for example it will say "Home" or "Power" in the top left corner.



## Diving Deeper

- Some pages have buttons that navigate into deeper settings pages, for example the generator control center on the home page has additional settings or information. Tap the icon to access these deeper settings.
- Look for other buttons with the gear icon to adjust settings.

## Tabs

- The climate page features a tab system for navigating between climate zones and the floorheat.
- Pressing on an inactive tab on the figure to the left will navigate to it. In the figure to the left the active tab is "Rear" so rear zone climate controls will be present below the tab. If you tap on another zone or floorheat the controls below the tab will change to the desired location/mode.
- The active tab is highlighted with a blue border.

## Top Bar Icons

- Certain icons are displayed in the top bar. These icons generally convey a time sensitive or important event. Tap on them to see additional information.
- Tapping the gear icon will navigate to the screen settings page.



- Do not ignore a red flashing triangle in the top bar. See "Faults" for more info.

# Pages

## Home Page



- The Home Page displays critical coach information at a glance. It also provides access to commonly controlled loads like generator and main lights.
- Your screen will automatically default to this page when it is woken up from sleep. To have the screen default to another page after waking up from sleep navigate to **Settings > Screen Settings > Default Page**.

## Climate Page



- The climate page displays climate information for all three zones. This includes set temp, room temp, and climate status for the various HVAC systems in your coach.
- Navigate here to adjust the temperature, change HVAC modes, set a climate and more.

## Lights Page



- All lights controlled by the Spyder System can be found here.
- The lighting page is divided into sections to help you locate lights quickly.

## Slides Page



- Navigate here to control the slides in your motorhome and access the emergency front slide overrides.

## Power Page



- The power page shows a power flow diagram detailing power flow from the various charge sources in you coach to the house battery.
- The following power systems and controls can be found on this page.
  - Battery SOC (State of Charge)
  - AGS (Automatic Generator Start)
  - Power settings gear icons (To adjust Trustate, solar, and generator settings)

## Mech Page

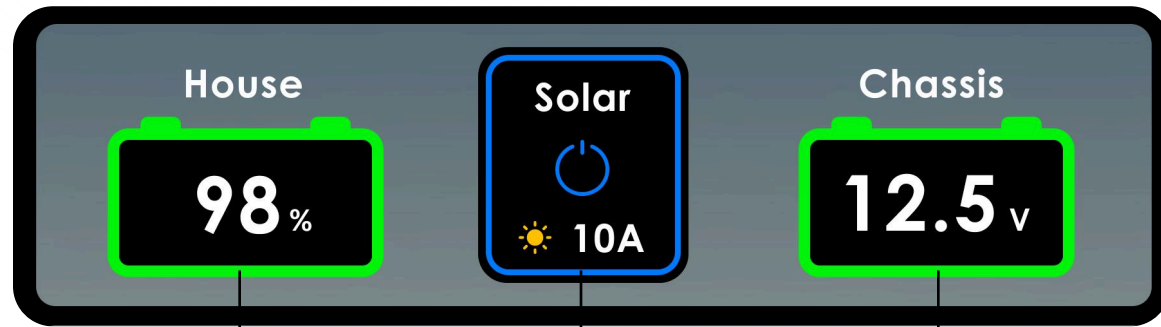


- This page contains various controls for mechanical loads inside your motorhome, depending on your coach model the following loads may be controlled from here.
  - Vent Fans
  - Ceiling Fan
  - TV Lifts
  - Bed Lifts

## Settings Page



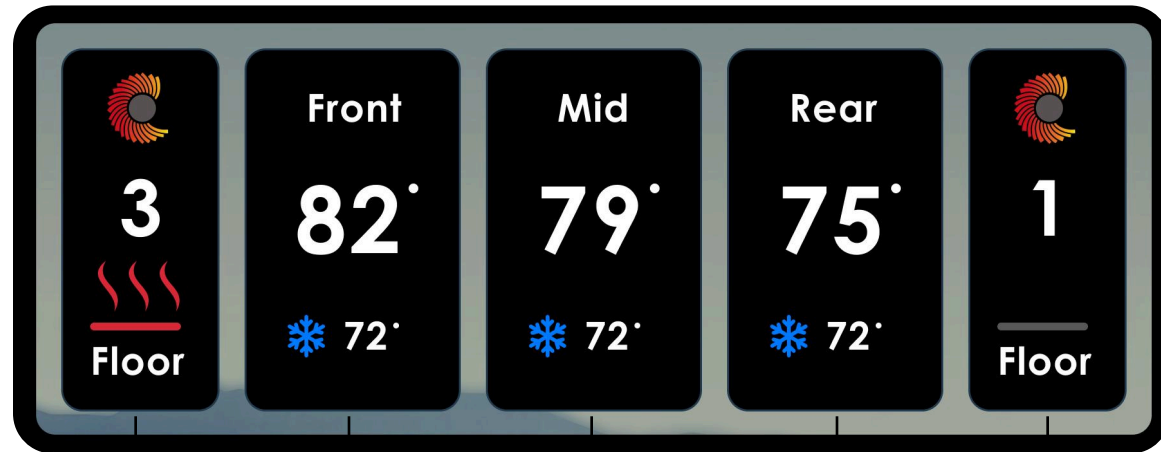
- Navigate to this page to adjust or set the following items:
  - Screen theme
  - Temperature Units
  - Adjust time
  - Set screen sleep and default page settings
  - Pair wireless switches
  - Set up the mobile app
  - View diagnostics
  - Enter screen cleaning mode



House Battery SOC

Solar Charger Output

Chassis Battery Voltage



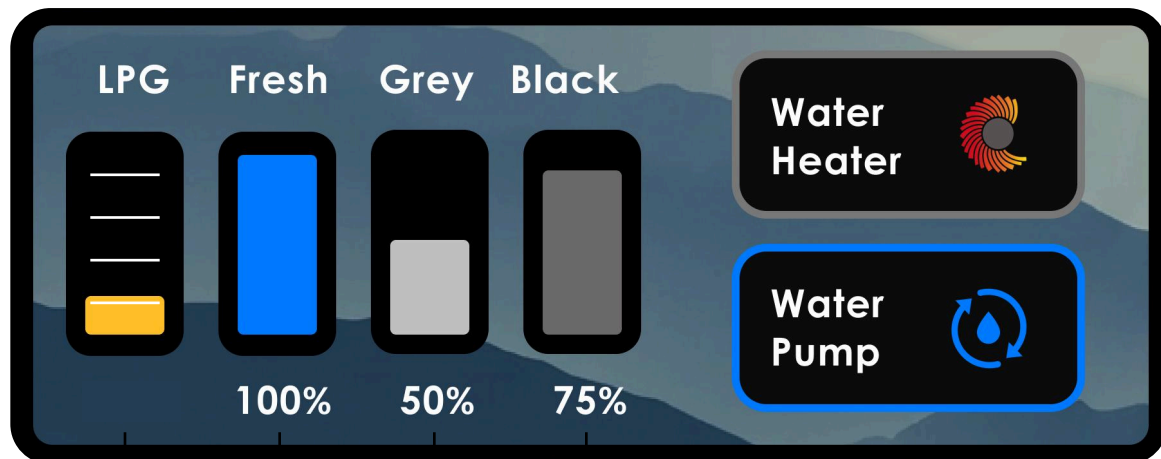
Front Floor Heat Level

Front HVAC Status

Mid HVAC Status

Rear HVAC Status

Rear Floor Heat Level



LPG Tank Level

Fresh Tank Level

Grey Tank Level

Black Tank Level

## Power Information

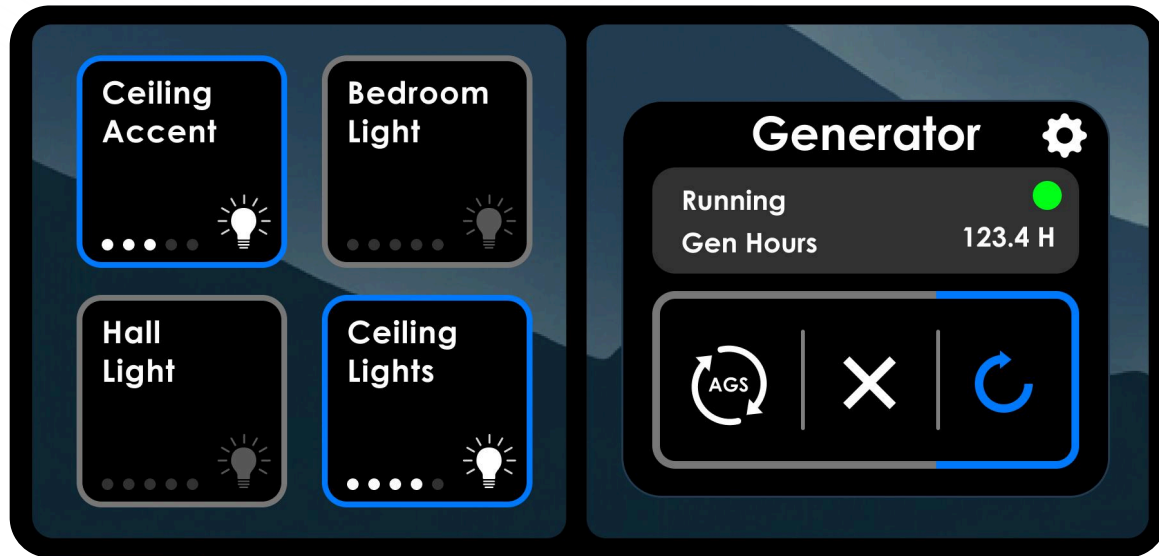
- The house and chassis batteries are displayed here with all relevant information. As the battery level changes the outline color of the batteries will change.
- Generally **Green = Good, Yellow = Caution, Red = Check or Charge Batteries Immediately.**
- A solar control button is displayed between the batteries. The current provided by the solar controller to the house battery is displayed here as well.

## Climate Information

- Relevant climate information is found in this section of the home page.
- Floor heat set point and status are shown here.
- Status for all three climate zones are shown here, tap on them to navigate quickly to the climate page.

## Tank Information

- Tank information is shown here.
- Tank level readings for fresh, grey, and black tanks will display in one of two formats, depending on the monitoring system installed: either 1/3 increments (1/3, 2/3, Full) or a percentage scale from 0% to 100%.
- LPG always shows as a bar indicating the relative level of LPG gas remaining.
- Quick action buttons for the water heater and water pump are available here.



## Lights Control

- This section displays essential lighting controls, enabling you to easily toggle lights on or off and adjust brightness as needed.

## Generator Control

- The generator control area allows you to start and stop the generator, monitor generator hours, and view its current operating status.
- This area also features an AGS (Auto Gen Start) button. When the button is blue, AGS is active. When the button is white, AGS is inactive and will **NOT** automatically start the generator. Tap the AGS button to enable or configure AGS settings.

# Lights

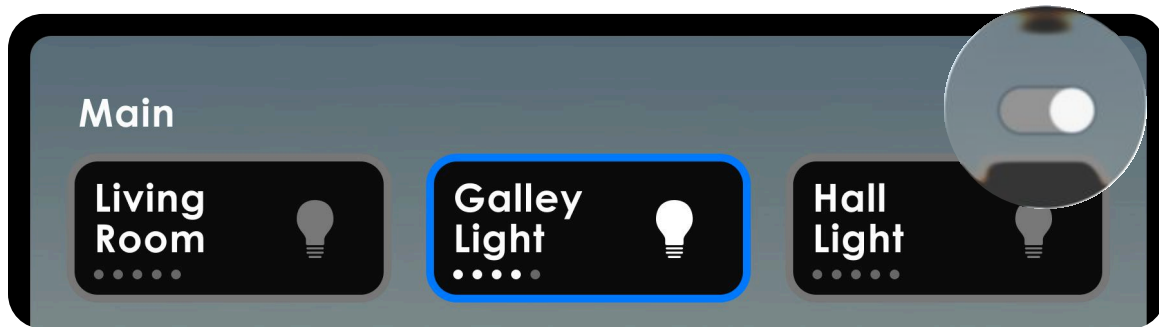


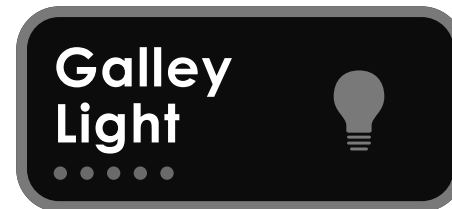
Fig. 1

## Lighting Masters

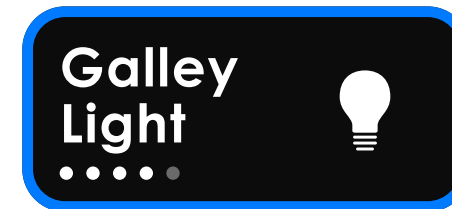
- Light Masters control all lights in a selected zone. Tap the toggle above a lighting section to toggle all lights in that section on or off at the same time.

## Basic Light Control

- To turn a light on and off simply tap the light button. To turn light off tap it again.



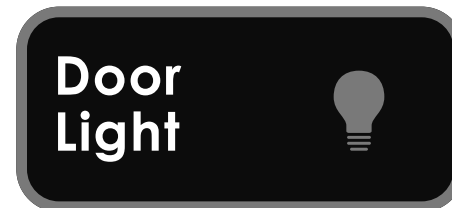
Light Off



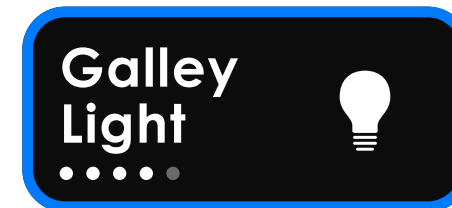
Light On

## Dimming A Light

- Only certain lights in your coach can dim, lights that can dim will have 5 dots below the light name.



Non-Dimming Light



Dimming Light

- To dim a dimming light press and hold on the light button. A dimming pop-up will appear (Fig. 1).
- Follow the on screen instructions to dim a light to the desired level. Press done to exit the pop-up and save the light brightness.

## Solar Information

This box displays the solar charger charging mode.

This box displays the solar panel voltage.

Tap to enable or disable the solar controller.

Tap this to adjust the solar charger settings.

This box displays the solar charger voltage.

This box displays the solar charger charge current.

## House / Chassis Battery

	Green indicates a good battery charge level		Yellow indicates a acceptable battery level
SOC:	100% - 64%	SOC:	64% - 49%
Voltage:	13.0V - 12.4V	Voltage:	12.4V - 12.0V
	Red indicates a low battery level charge now!		Indicates that the Trustate Module that provides SOC readings for the house batteries is offline. Contact Spyder at 1-866-919-9092.
SOC:	49% - 0%	Trustate Offline	If this box says <b>Calculating</b> , let the house batteries charge to 100%. If this persists contact Spyder at 1-866-919-9092.
Voltage:	12.0V - 0V		

Fig.1 - SOC: State of Charge

- **Battery Merge** enables a connection between the chassis battery and the house battery, allowing them to share charge. This helps maintain both battery banks during travel or while the coach is connected to shore power.
- **Chassis Voltage** is displayed here.
- **House Battery Current** is displayed here, this is the total current measured entering or leaving the house battery. House battery **State of Charge (SOC)** is shown above the current, use the chart above to understand the various states of the house battery.

**This value is NEVER used to decide when or if to charge, the TruState can be offline and the coach will charge without issue.**

- **Time Remaining** is displayed here providing you with an estimation of time until full charge or time until empty. House battery voltage is displayed here as well. Tap the to adjust Trustate settings.

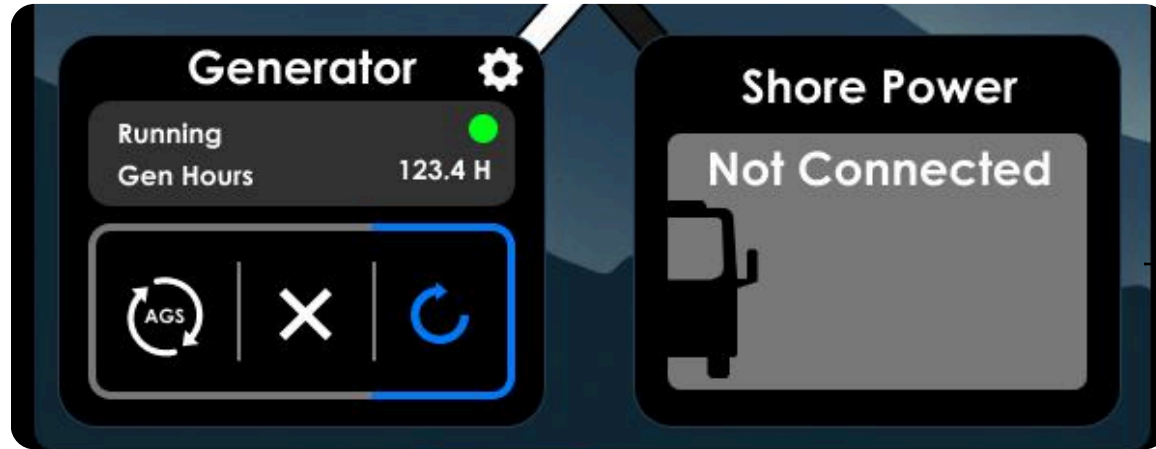
Charger/Inverter


## Charger / Inverter

- This box is purely superficial and just shows that power flows through the charger/inverter, **the Spyder system does not decide when or if to charge the batteries.**

## Generator

- The **AC source** is displayed here and will switch between, Shore, Generator, and not connected depending on the available AC power source.



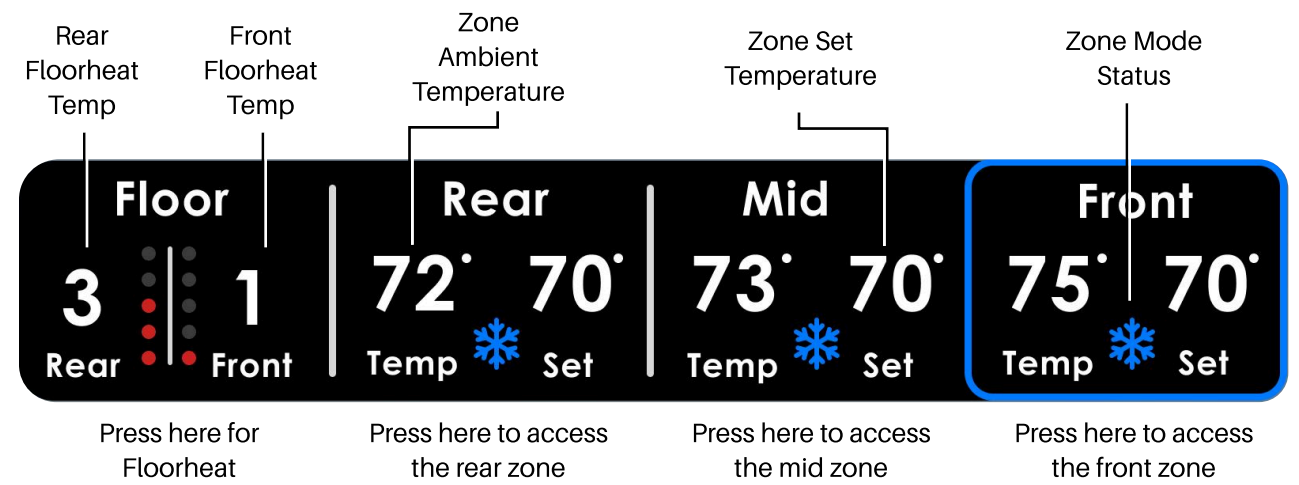
- Press the  icon to access **Auto Generator Start (AGS)** options.
- This LED indicates the status of the generator, green is on, grey is off.
- The generator hours are displayed here, this value can be adjusted contact Spyder Controls to adjust the value.
- Press this button to start the generator, blue flashing indicates the generator is trying to start, solid blue indicates the generator has started.
- Press the X button to stop the generator when it is running.
- Press this button to enable AGS.



- If the AGS button is grey the AGS is not enabled and will not start the generator. The AGS button must be blue for AGS to start or stop the generator by itself.



## Climate Navigation And Status



- To navigate between climate zones and floorheat simply tap on the zone in the bar above. The screen will jump to the zone. The current zone is highlighted by a blue ring.
- The current climate mode is represented in each zone in the bar above. Cooling will be a snowflake, heating will be a flame icon.

## Other Buttons

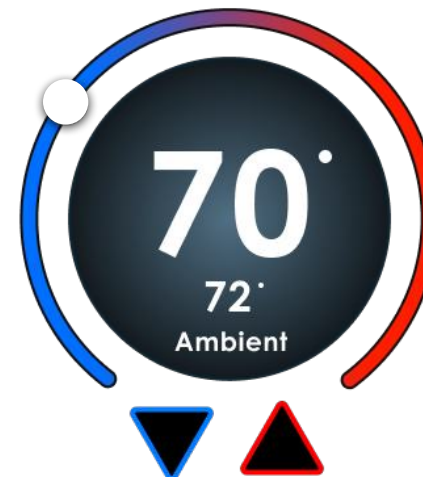
### Aqua-Hot Settings

- Pressing this button will open the Aqua-Hot settings, this is typically only used for diagnostic and setup reasons.

### Sync Zones

- Pressing this button will synchronize **all climate zones** to match the HVAC mode and set temperature of the currently selected zone. For example, if the mid zone is selected with **AC** as the climate mode and a set temperature of **68°F**, pressing Sync will change the front and rear zones to **AC** and set both zones to **68°F** as well.

## Climate Dial



- Drag the **white toggle** along the arc to adjust the zone's set temperature. Moving the toggle to the left, into the blue area, lowers the temperature, while moving it to the right, into the red area, increases the temperature.
- The large number indicates the **Set Temperature**, this is the temperature the zone will try to meet.
- The smaller number indicates the **Ambient Temperature**, this is the current temperature in the zone.
- Tap the up and down arrows below the arc to make minor adjustments to the set temperature.



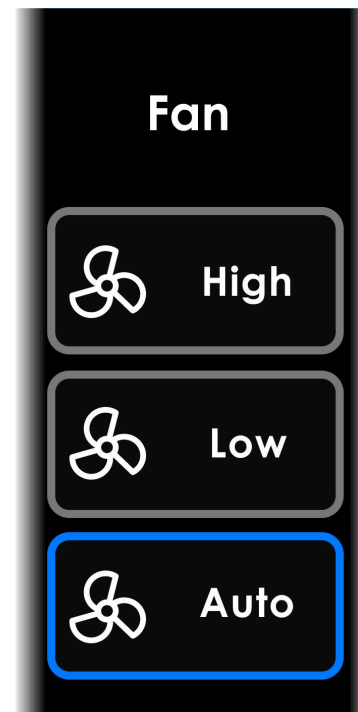
## Climate Modes And Control



- Tap this button to enable or disable the A/C unit for the zone. This is used to cool the coach.
- If your unit is equipped with a heat pump, press this button to activate it.
- Press this to enable the furnace, if your unit has an Aqua-Hot you will need to choose a heat source.
- Press this button to turn off any active climate mode.

• The HVAC system cannot Cool in one zone and **Heat** in another. The HVAC system will automatically prevent this from happening.

• **Do Not** Use Diesel Burner in a confined space. Doing so will cause injury or death. Do not use the Diesel Burner if you are in a confined space or an area with poor ventilation. This applies to **Auto Mode** and **Furnace**.



- Press this button to turn on the Aqua-Hot Electric burner.
- Press this button to turn on the Aqua-Hot diesel burner.
- Press this to set interior heat as the priority for the Aqua-Hot unit to maintain.
- Press this to enable Aqua-Hot quiet mode.

This section controls the fan located inside the air-conditioner, control of this is only active when using the AC.



## Slide Safety

- To operate the slides safely the **Ignition** must be **On** and the **Park Brake** must be **Set**.
- The Slide safety requirements are clearly visible on the top left of the mech page.

**Park Brake not present  
/ Slide will not operate**



**Park Brake present /  
Slide will operate**



- A warning will appear in the top center area of the slides page explain why the slide will not move.

## Front Slide Overrides

- If the slide switches on the driver or passenger seats fail to extend or retract the slides the slides can still be extended and retracted from the 7" LCD.
- To run the front slides from the 7" LCD press the **Front Slide Override** button. Once the button is pressed new slide controls will appear for the front slides.
- To operate the slides in this situation you must hold a slide extend or retract button for **ten seconds** before the slide will begin to move. A countdown timer will appear in the top right of the slides page.

## Slide Control

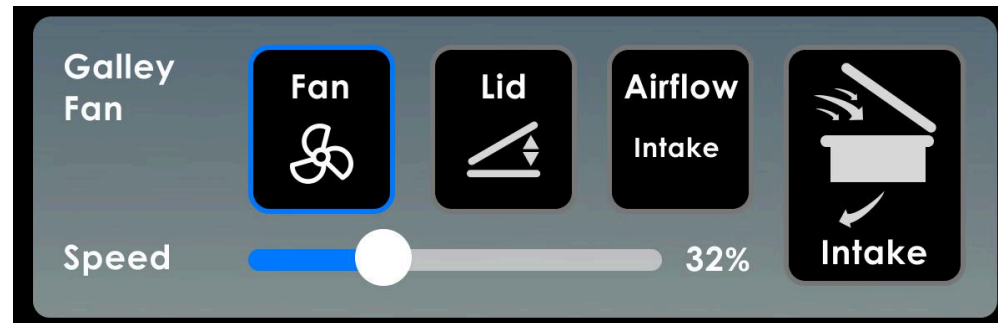
- To extend a slide **Press and Hold** the slides extend button. To retract a slide **Press and Hold** the slides retract button. The slides are color coded to the corresponding slide button.
- A gentle touch is all that is required to extend or retract a slide. The button will illuminate solid blue when the slide is moving.



- Excessive hard pressing and holding may damage the LCD.



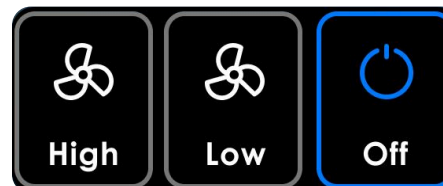
## Fan Control



- Certain fans, such as the galley fan, can either exhaust or intake air. Tap the **Airflow** button to change the fan's air direction.

- Slide the toggle on the fan speed slider to adjust the fans speed.
- Tap the Lid button to raise or lower the fan lid. Press and hold the button to move the lid, then release it to stop the lid at any desired position.

## Ceiling Fan Control



- To adjust the ceiling fan speed in the bedroom, simply tap on the desired fan speed. To turn the fan off, press off.

## TV Lift

- To raise the TV lift press ▲ . To lower the TV lift **press and hold** ▼ .

# Settings



## Adjust The Theme



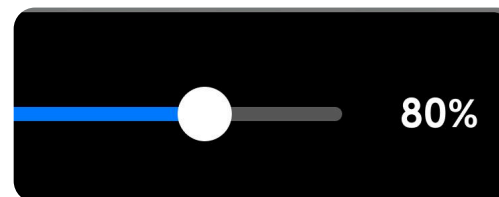
- Tap this button to adjust the background and screen colors between dark and light mode. This will affect all LCDs.

## Adjust The Temp Unit



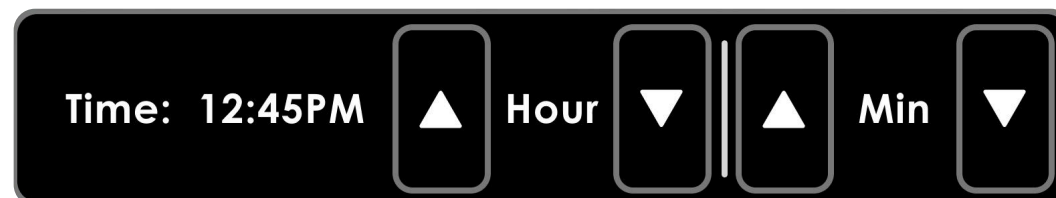
- Tap this button to adjust the temperature unit that is used on the climate page.

## Adjust The Screen Brightness



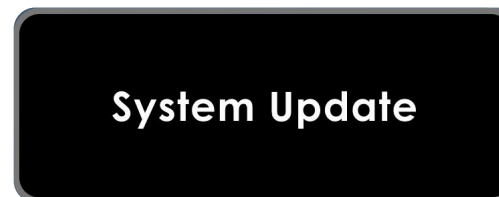
- Tap and drag the slider to adjust the brightness of the screens backlight.

## System Time



- Use the hour and minute adjustment arrows to set the time. Systems such as AGS rely on the correct time to operate properly, so please ensure the time is set accurately.

## System Update



- This button is primarily used for diagnostic purposes. Pressing it will **NOT** update the coach under normal circumstances. Please contact Spyder Controls for information on when and how to perform a system update.

# Settings



## Screen Settings

### Screen Settings

- Press this button to access screen settings such as Sleep and Default Page. Follow the on-screen instructions to adjust these settings.

## Diagnostics

### Diagnostics

- Press this button to access the coach's diagnostic information. This page is primarily used for troubleshooting while working with a Spyder Controls technician over the phone.

## Mobile App

### Mobile App

- Press this to pair your phone to the Firefly Mira or Eclipse Mobile App. Your coach must be equipped with a Mira or Eclipse module for this to work.

## Cleaning Mode

### Cleaning Mode

- Press **Cleaning Mode** to open a page that allows the screen to be cleaned without accidentally activating controls. Do not use aerosols or sprays on the LCD. Instead, clean the screen using glasses-lens cleaning wipes.

## Factory Setup

### Coach Model: RED 38 KA

- This page is intended for use by technicians or under the guidance of a Spyder Controls technician. **DO NOT** access this page or change any settings without direct instruction from Spyder Controls.

**SPYDER**  
CONTROLS CORP