FIREFLY INTEGRATIONS

Vegatouch LYRA

Galleria/Crossfit/Beyond V4

Coachmen

HOME   12:04AM

ON Light Master OFF   FRESH GREY BLACK LP

EXT Awning RET   ---%   ---%   ---% Disc.

                                Water Pump

68°   House
      72°   ❄   12.2V   Start GEN Stopped 0.0Hrs Stop

                               Chassis
                               12.2V   ⚡ AGS DISABLED

Imagination ~ Innovation ~ Integration

1013 Elroy Drive, Middlebury, Indiana 46540 (574) 825-4600

The information contained in this manual is a general overview of the Firefly system and is subject to change at any time.

FIREFLY INTEGRATIONS

1013 Elroy Drive

Middlebury, Indiana 46540

Phone: (574) 825-4600

Support@Fireflyint.com

Tap any icon from the vertical navigation menu to select the desired page. The currently selected page will always be listed in the top corner of the screen.

Home
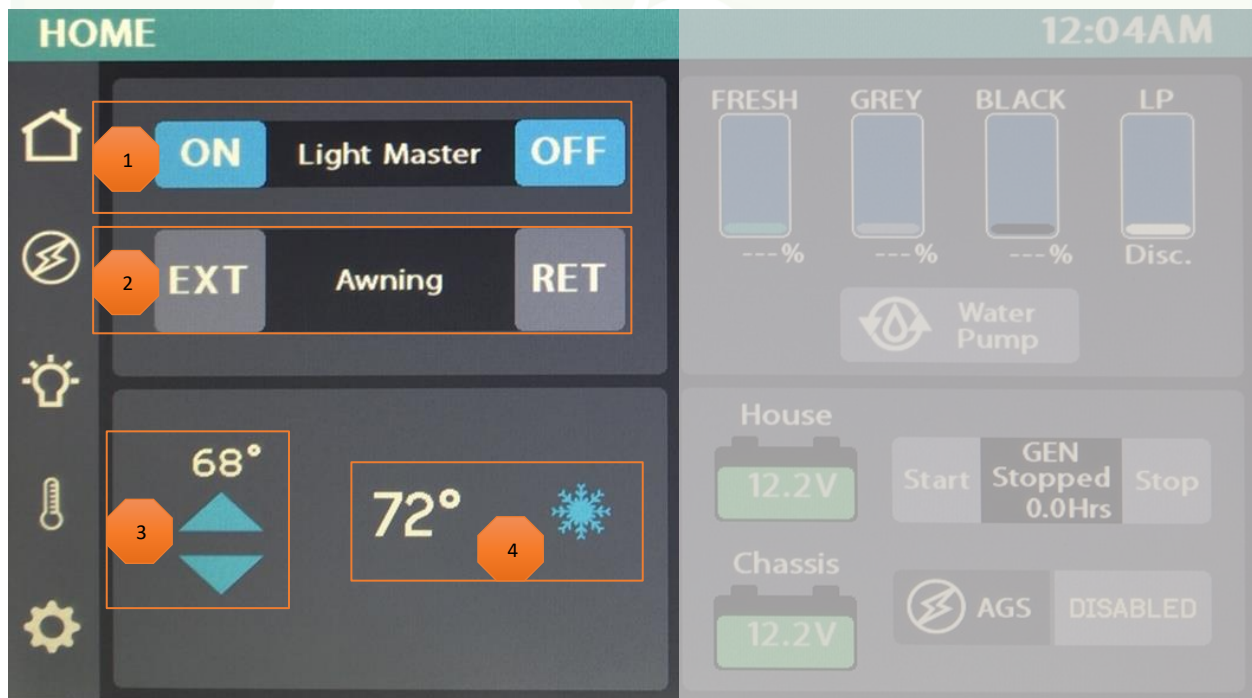
Auto Gen

Lights

Climate

Settings

Navigation Menu

1 The Light Master controls all interior lights at once. When Light Master Off is pressed, it will remember which lights were on. Then, when Light Master On is pressed, it will only turn on the lights that are in memory. To turn on all lights again, press and hold Light Master On for at least one second. *Troubleshooting – Memory is rewritten each time Light Master Off is pressed. In the case that it is pressed twice in a row, it will remember that no lights were on and just touching Light Master On won't turn on any lights. Press and hold Light Master On to turn the lights back on.

2 Awning – Press and hold EXT or RET to operate the awning (ignition must be off).

HOME   12:04AM

| ON | Light Master | OFF |

| EXT | Awning | RET |

68°

72° ❄

FRESH   GREY   BLACK   LP

---%   ---%   ---%   Disc.

Water Pump

House   12.2V   Start   GEN Stopped 0.0Hrs   Stop

Chassis   12.2V   AGS   DISABLED

3 Set Temp – Tap the arrows to set your desired temperature.

4 Current temperature and current HVAC mode icons with fan speed indicator – A Blue Snowflake will display for Air Conditioning and a White Fan graphic will display for Fan Only mode. H or L will indicator the fan speed (High or Low).
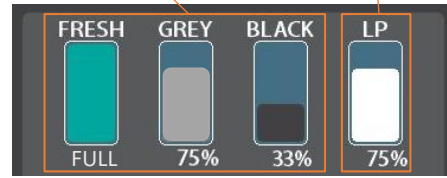
Water Tank Readings:

- 9% and below will read "Empty" and the tank level will show Empty.
- From 10% to 90%, the tank level and percentage will show as normal.
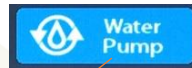- 91% and above will read "FULL." and the tank shows accurate level.

LP Tank Readings:

- Below 25% will read "Low" and the tank level will show as normal.
- From 25% to 75%, the tank level and percentage will show as normal.
- From 75% to 96%, will read "Full" and the tank level will show as normal.
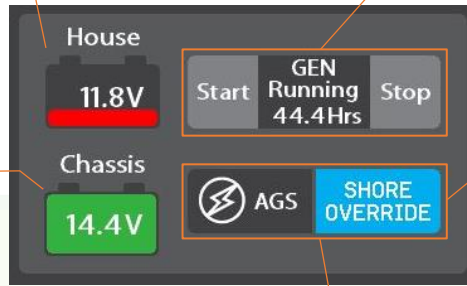- 97% and above will read "Disc." and the tank level will be empty.

House Voltage – the voltage coming from your house batteries. Note: Battery graphics will display Red if below 12V.

Chassis Voltage – the voltage coming from your engine battery.

Generator Start - hold Start to start the generator (1 second delay).

Generator Stop – Hold Stop to stop the generator.
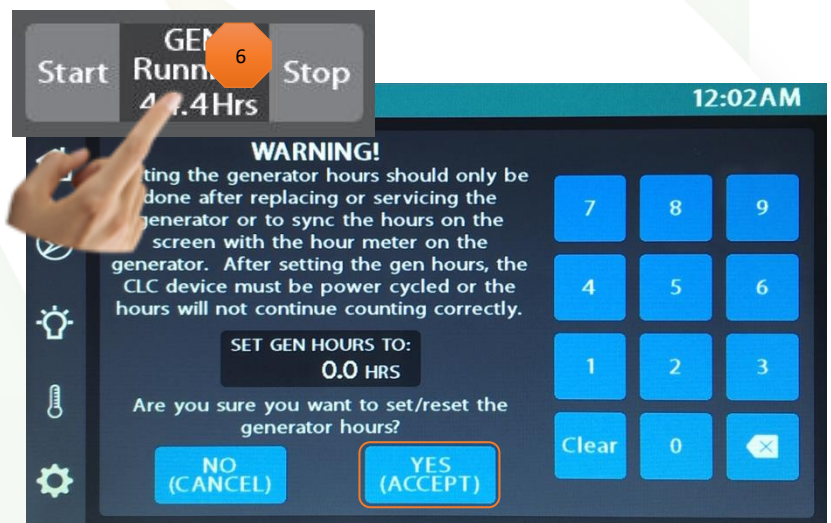
Tap to Enable/Disable AGS.

5

House
11.8V

Chassis
14.4V

Start | GEN Running 44.4Hrs | Stop

AGS | SHORE OVERRIDE

If AGS is enabled before the coach is connected to shore power, the Shore Override status message will be displayed and AGS will be disabled. AGS will automatically re-enable once shore power has been disconnected.
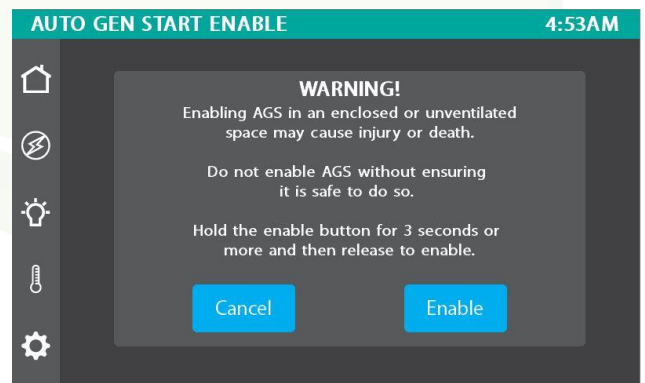
5

AGS WARNING – to ensure safety, AGS will not be activated until you hold the Enable button (from the Warning screen) for at least 3 seconds.

AUTO GEN START ENABLE   4:53AM

WARNING!
Enabling AGS in an enclosed or unventilated space may cause injury or death.

Do not enable AGS without ensuring it is safe to do so.

Hold the enable button for 3 seconds or more and then release to enable.

Cancel   Enable

6

Press and Hold the gen hours display to enter the Set Gen Hours screen. Tap the buttons to enter your desired hours then tap Yes to save and exit.

Start | GEN Running 44.4Hrs | Stop

6

12:02AM

WARNING!
...ting the generator hours should only be done after replacing or servicing the generator or to sync the hours on the screen with the hour meter on the generator. After setting the gen hours, the CLC device must be power cycled or the hours will not continue counting correctly.

SET GEN HOURS TO:
0.0 HRS

Are you sure you want to set/reset the generator hours?

NO (CANCEL)   YES (ACCEPT)

7 | 8 | 9
4 | 5 | 6
1 | 2 | 3
Clear | 0 | ⌫

Lights

This screen will control the lighting for the entire coach, including the exterior. Tap any button to turn the desired light On/Off.

Lights with up/down arrows are dimmable. Press and hold these buttons to ramp the brightness up or down. Tap the buttons to toggle On/Off.
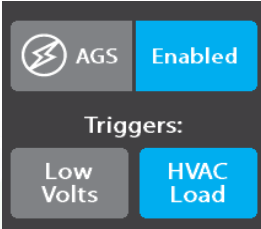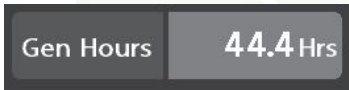
Auto Gen Start (AGS)

Tap to Enable/Disable AGS. A Warning screen will require action to enable.

Trigger Options – Automatically start the generator using specified voltage settings (Low Volts) or when A/C or Heat Pump start (HVAC). Select one or both triggers. If no triggers are selected, AGS will not run.

Gen Hours Display - The number of hours that the generator system has been used. These hours are saved to the system, not the generator itself. Press and hold to enter the Set Gen Hours screen.

Quiet Time Start and Stop – Tap the +/- buttons to select the hours that your generator will not run.
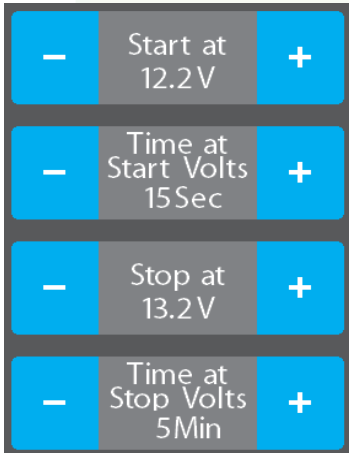
Start at Volts - The generator will start when the voltage drops to this set point depending on "Time at Volts" setting below. (Range 10.5v – 12.5v)

Time at Start Volts - The generator will start when the voltage drops to the "Start at Voltage" for this specific amount of time. (Range 5 seconds – 1 min)

Stop at Volts - The generator will shut off when the voltage reaches this set point depending on "Time at Stop Volts" setting below. (Range 13.2v – 14.5v)

Time at Stop Volts - The amount of time required for the voltage to remain at "Stop at Volts" level before the generator shuts off. (Range 5min – 120 min)

Minimum Gen Run Time - Use the + and – keys to set the minimum amount of time that your generator will run once it has started. (Range 10min – 30min)

Maximum Gen Run Time - Use the + and – keys to set the maximum amount of time that your generator will run once it has started.
(Range 120min – 240min)

Gen Start Retries – select the number of times that the generator will retry to start if it fails to start on the first attempt.
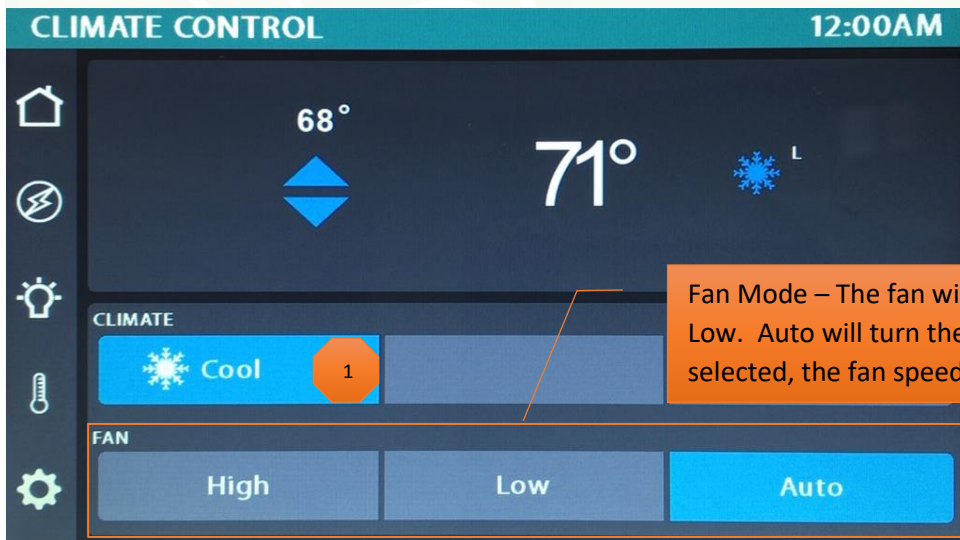
Climate Control

Default Option

Tap the arrows to select your desired temperature (Set Temp). A Snowflake graphic with fan speed indicator (H or L) will display during Cool mode.
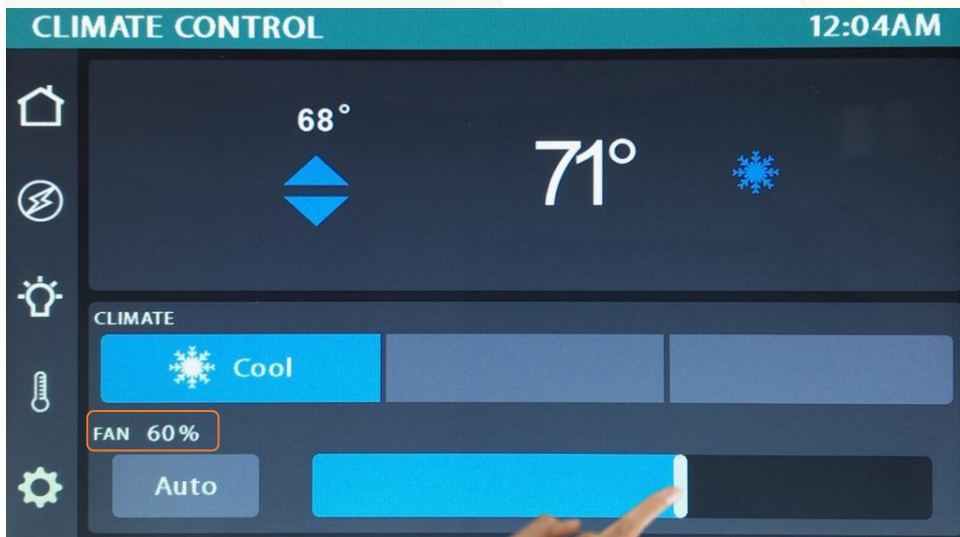
1 Cool – Tap to operate the air conditioning. The A/C will run until the current temp reaches your desired temp and then shut off.

Fan Mode – The fan will operate by choosing High or Low. Auto will turn the fan off. If Cool has not been selected, the fan speeds will enable Fan Only mode.
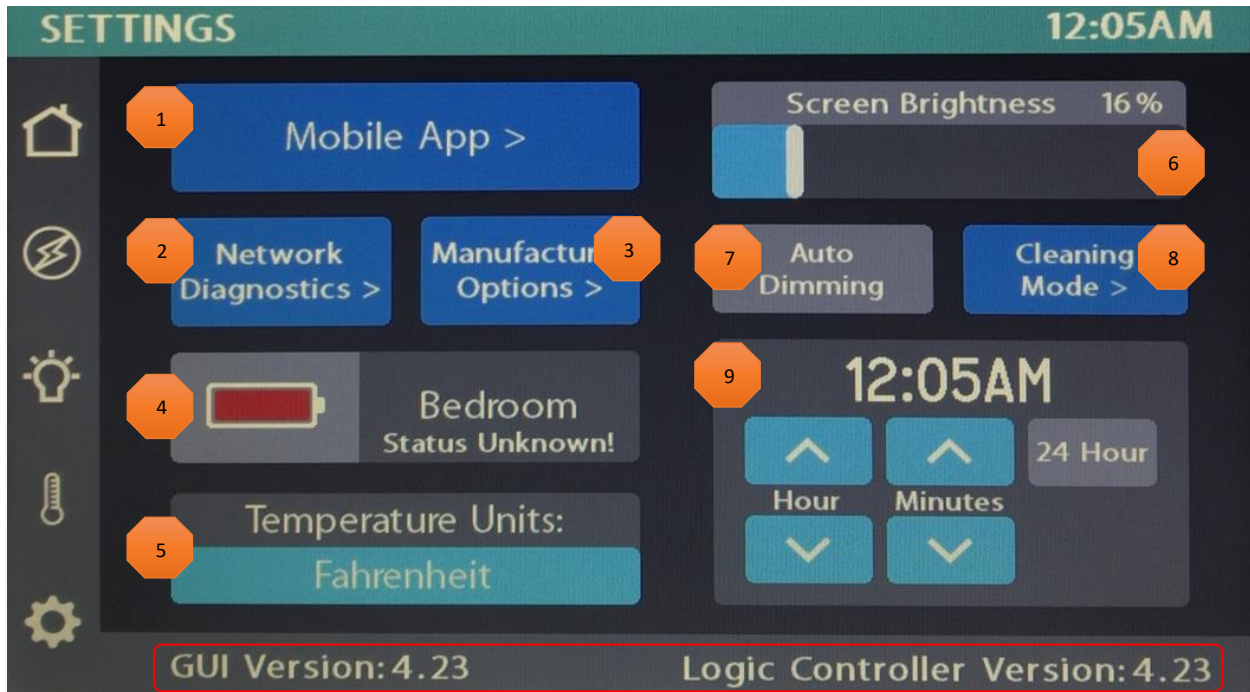
ProAir Option

In this option, tap Auto to have the system automatically control the fan speed, or drag the slider to select a fan speed percentage. There will be no H or L fan speed graphic in this mode.

Settings

SETTINGS   12:05AM

1	Mobile App >
2	Network Diagnostics >	3	Manufactur Options >	7	Auto Dimming	8	Cleaning Mode >
6	Screen Brightness 16%
4	Bedroom Status Unknown!	9	12:05AM 24 Hour Hour Minutes
5	Temperature Units: Fahrenheit

GUI Version: 4.23   Logic Controller Version: 4.23

1   Tap to navigate to the Vegatouch Mira connection screen.

2   Tap to navigate to the Network Diagnostics screen.

3   Tap to navigate to the Manufacturer Options screen.

4   Wireless switch panel display status

5   Tap to select between Fahrenheit and Celsius.

6   Drag the Slider to adjust screen brightness.

7   When Auto Dimming is enabled, the screen will enter sleep mode after 60 seconds of inactivity. Tap anywhere on the screen to wake it up. Please note that even if Auto Dimming has been disabled, the screen will still enter sleep mode after 4 hours of inactivity during daytime hours (5am – 10:59pm) and after 15 minutes of inactivity during night time hours (11pm-4:59am) as the result of a built in screen saver that cannot be disabled.

8   Tap to disable the touchscreen for 15 seconds for the purpose of cleaning.

9   Tap the buttons to set the time or select 24-hour time mode.

Please note the GUI and Logic Controller Versions and have these numbers available before contacting Tech Support.

Vegatouch Mira is a wireless control module that easily connects to any Android or iOS device to give total control to many electrical, electronic and mechanical systems in your coach. Pair any device with the coach's built-in interface to monitor and control many coach components.

Notice: Make sure that Bluetooth is turned ON in your smart device settings before proceeding.

Locate the Login Information:

The login information can be found by clicking on the Mobile App button on the settings page of the touchscreen or from the Mira module's label.


Download:

Download Vegatouch Mira from the Google Play store or the App Store. Once the download has finished, install the app and open it.

Setup:

Tap SCAN to find the Mira Module's signal. After scanning, any Mira Module in your area will appear on the screen. Tap the ID # that matches the one on your Mira label. Enter the PIN number from the Mira label and press AUTHENTICATE to connect to the system.
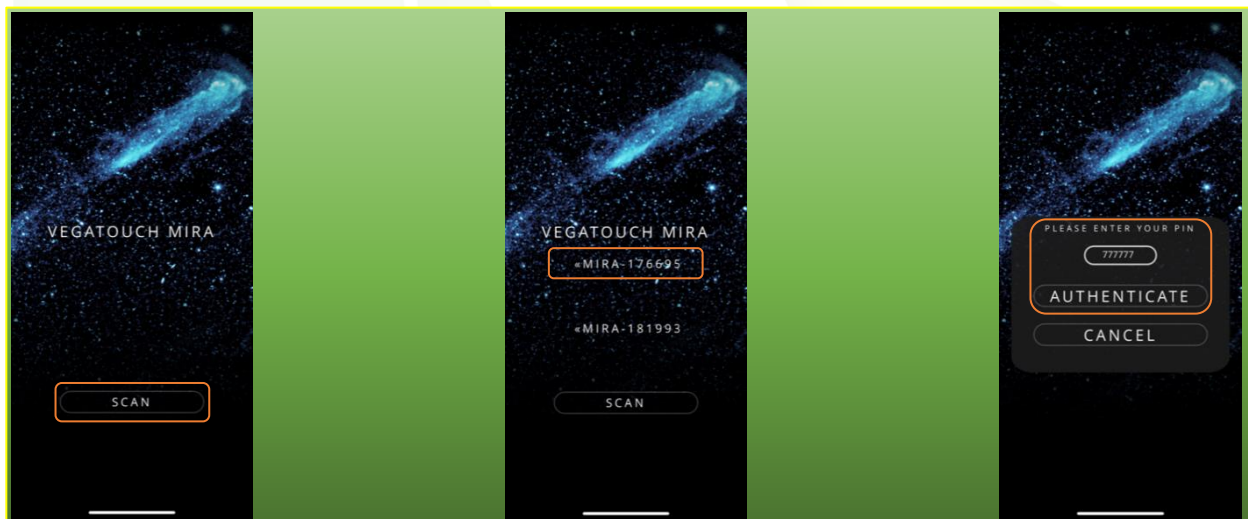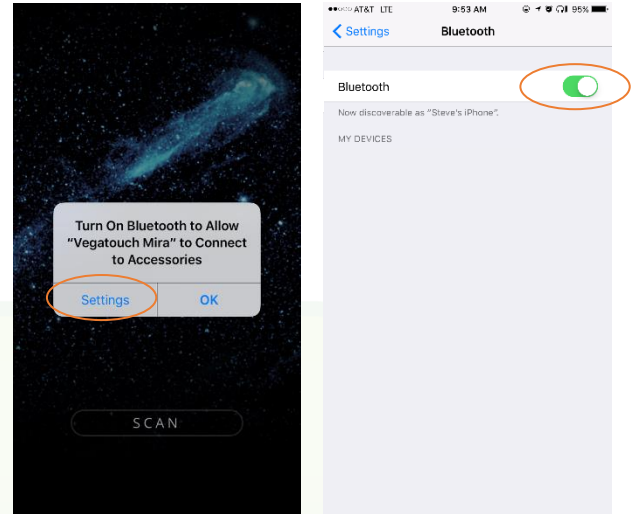
Notice: iOS Setup Tips

Turn on Bluetooth to allow Vegatouch Mira to connect to Accessories.

If you do not have Bluetooth turned ON in your iOS settings you will see this screen. Do not click OK, you must click SETTINGS. Your Bluetooth Settings page will now appear and you should turn Bluetooth ON.

Notice: Android Setup Tips

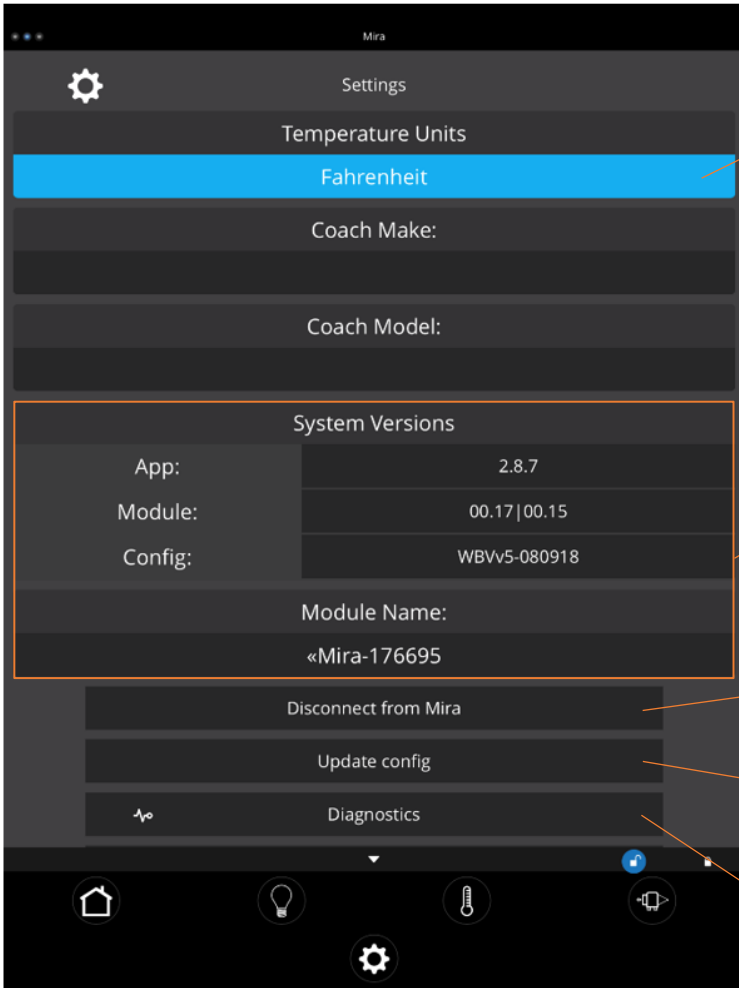### Allow Vegatouch Mira to access this device's location.

Mira will need to be allowed access to your location. Click ALLOW when you see this screen.
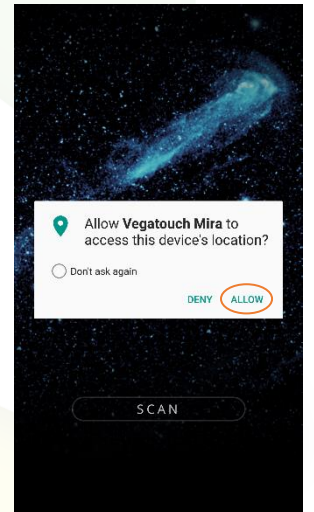
App Settings:

Access the App Settings page by tapping the triangle (at the bottom of the screen) to expose the Settings button. Tap the gear to visit the settings page.

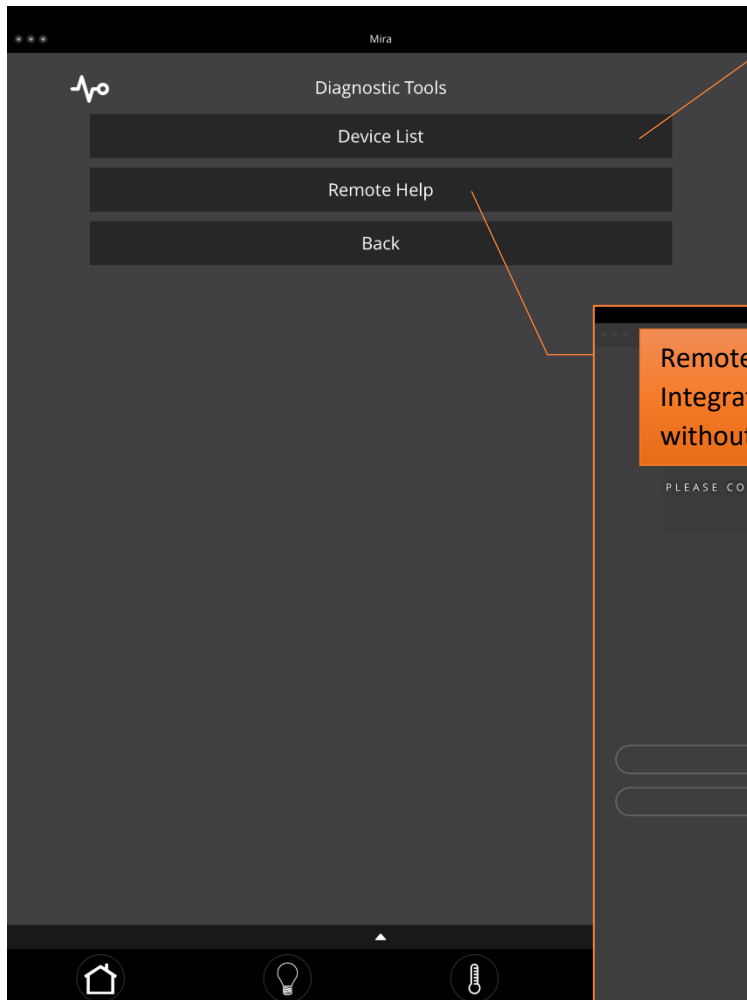Tap to Temperature Units selection to choose between Fahrenheit and Celsius.

System Information and Mira Name.

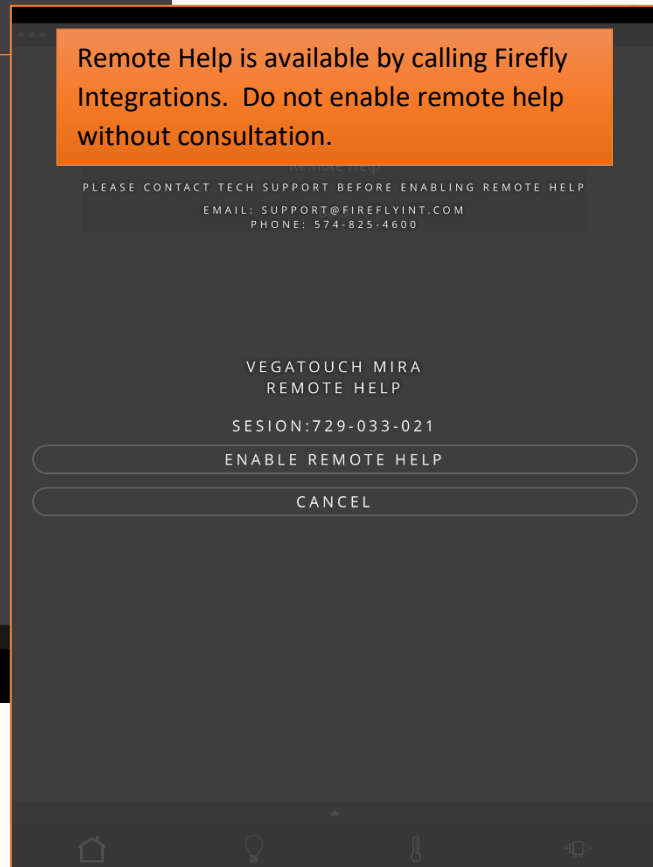Tap to disconnect your device from Mira.

Tapping Update Config will force a download of the config from the cloud.

Tap to enter the Diagnostic Tools screen.

Diagnostic Tools:

Tap to display a list of currently connected devices.

Mira

Diagnostic Tools

Device List

Remote Help

Back

Remote Help is available by calling Firefly Integrations. Do not enable remote help without consultation.

PLEASE CONTACT TECH SUPPORT BEFORE ENABLING REMOTE HELP
EMAIL: SUPPORT@FIREFLYINT.COM
PHONE: 574-825-4600

VEGATOUCH MIRA
REMOTE HELP

SESION:729-033-021

ENABLE REMOTE HELP

CANCEL

Wireless Switch Pairing

The switch Battery Graphic will identify the status of the wireless switch panel.

Green battery switch indicator – the switch is currently conencted to the screen.

Red battery switch indicator - The switch is currently disconnected from the screen. It is likely that the battery inside your switch panel needs replaced. The wireless switch panel in your coach will illuminate a green LED whenever a button is pressed. If the LED on your switch panel does not illuminate when you press a button on your switch, you will need to replace the 2032 coin cell battery.

If a new battery will not fix the issue, you might need to pair the switch panel to the screen.

1 Press and Hold the battery graphic for 3 seconds until the pairing screen appears.

2 Tap Start Pairing. You'll have 30 seconds to press any 2 buttons on the switch panel at the same time.

3 Tap Done once the pairing successful message appears. It may take up to 10 minutes for the wireless switch indicator to turn Green, but the switch should work instantly once paired.

Devices/Inputs

The Network Diagnostics screen will display the status of the touchscreens, the G8 panel and the Aircon. It will also identify any currently active faults.
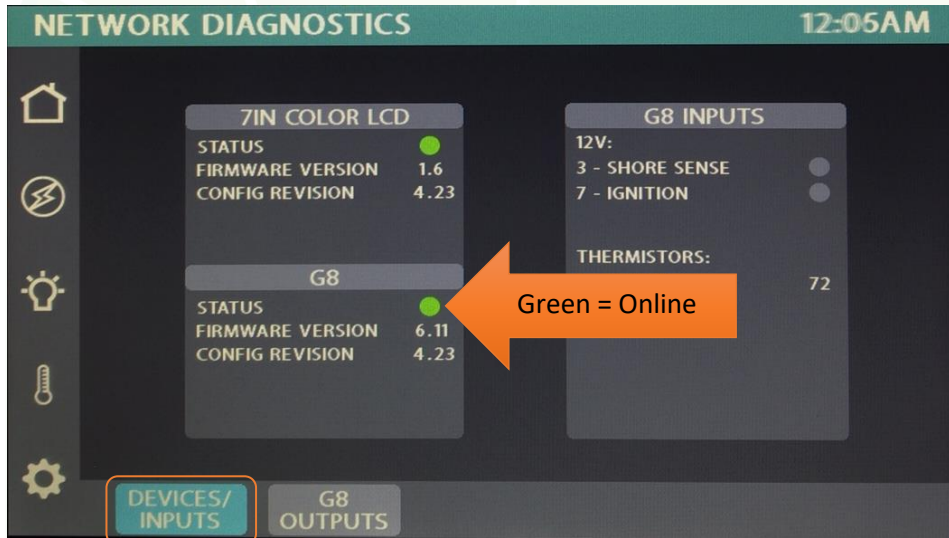
G8 Outputs

This screen will identify which individual G8 outputs are currently active.

Settings/Manufacturer Options

Tap the squares to enable or disable the options required for your specific vehicle.

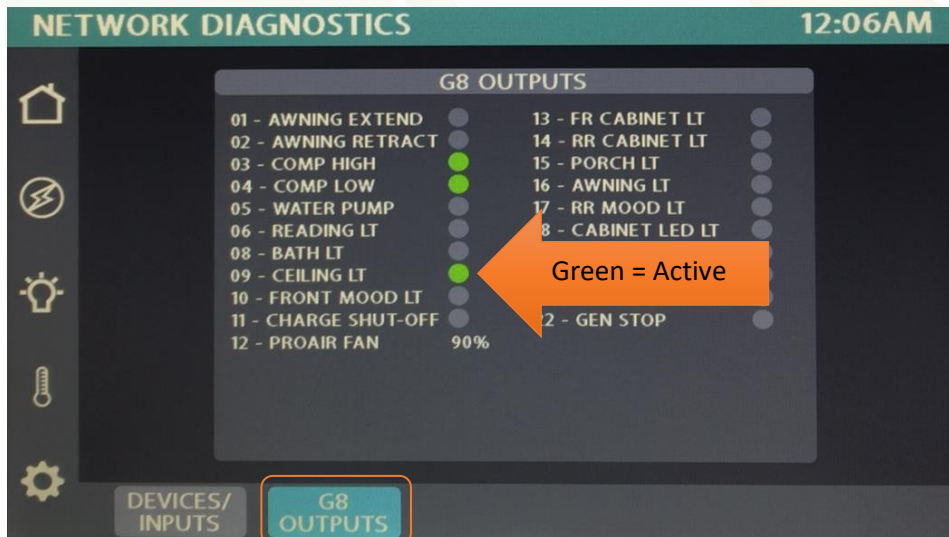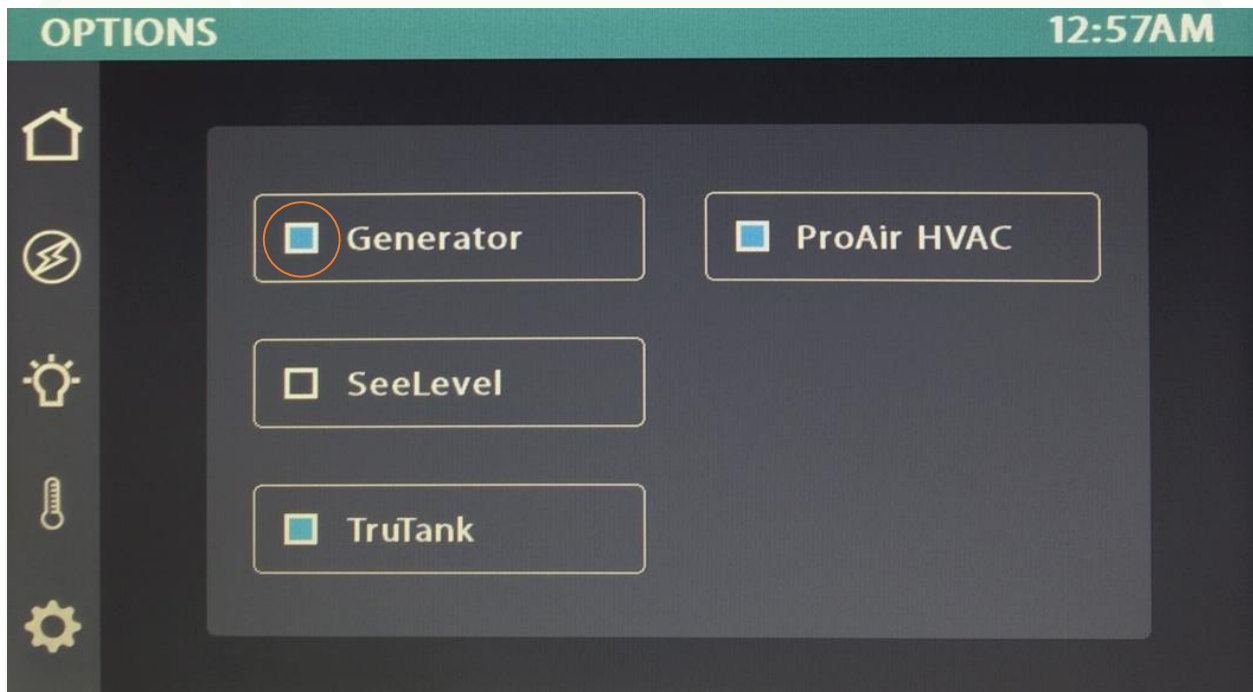The G8 control DC Panel receives the signals sent from your switch panels and performs the actions that have been requested by activating and deactivating the required circuits.

Every circuit controlled by the G8 is numbered and listed on a black label (load list) which is usually mounted next to the G8 panel.
A corresponding numbered LED will illuminate green whenever a particular circuit is on. For instance, if you press the Bath Light button on your switch panel, the green LED for output 11 will illuminate and the Bath Light will turn on (Fig 3).
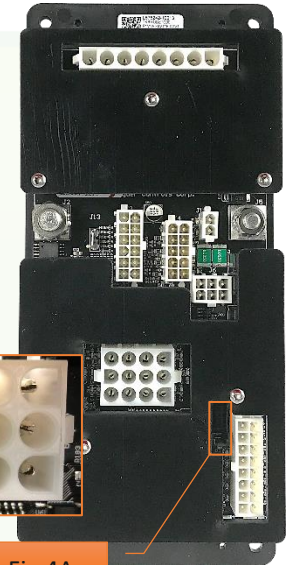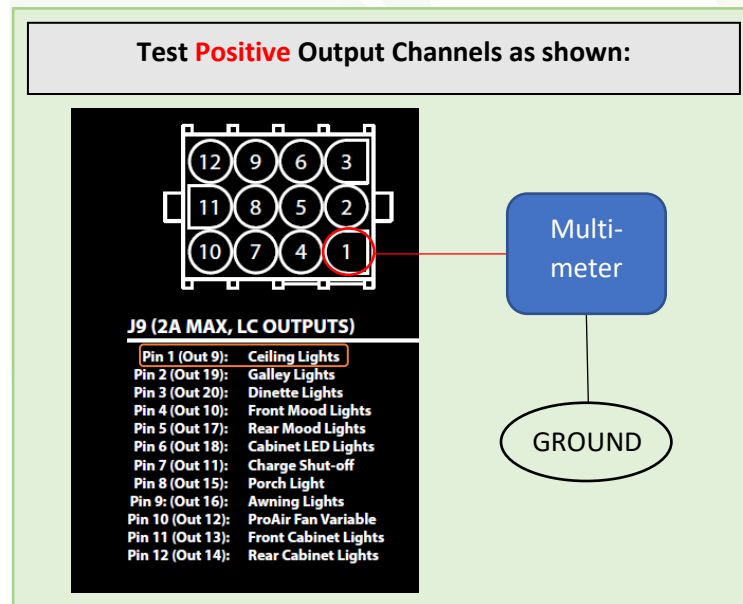
Fig 3

NET LED

Fig 4A

Testing output voltage using a Multi-meter.

Ensure that the G8 circuit is on and that the corresponding green LED is illuminated.

To test the output voltage for the Ceiling Lights example, touch the positive lead to the output pin for output 11 (Connector J9 – Pin 1) and the negative lead to the ground stud (as pictured below).

Test Positive Output Channels as shown:

```
12  9  6  3
11  8  5  2
10  7  4  1
```

Multi-meter

GROUND

J9 (2A MAX, LC OUTPUTS)

|	
Pin 1 (Out 9):	Ceiling Lights
Pin 2 (Out 19):	Galley Lights
Pin 3 (Out 20):	Dinette Lights
Pin 4 (Out 10):	Front Mood Lights
Pin 5 (Out 17):	Rear Mood Lights
Pin 6 (Out 18):	Cabinet LED Lights
Pin 7 (Out 11):	Charge Shut-off
Pin 8 (Out 15):	Porch Light
Pin 9: (Out 16):	Awning Lights
Pin 10 (Out 12):	ProAir Fan Variable
Pin 11 (Out 13):	Front Cabinet Lights
Pin 12 (Out 14):	Rear Cabinet Lights

Networking

Your distribution panel and touchscreens are connected via your coach's RV-C network. Each component will have a NET LED that is used to show network status. If a NET LED is displaying anything other than solid green and some of the panel's functions are not working, please contact your manufacturer for Technical Support.

Net LED Locations:

G8

Back of Touchscreens
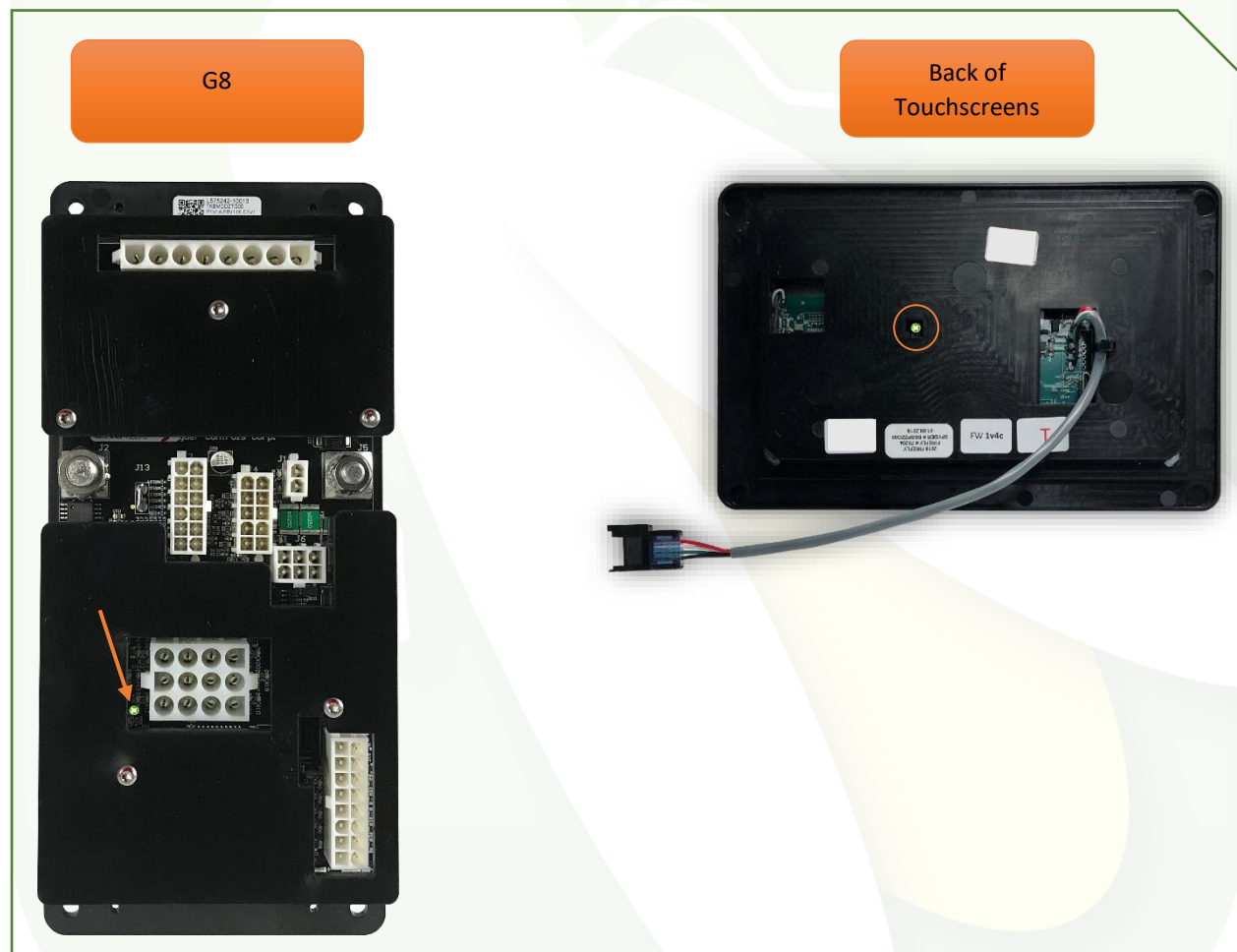
Network Status Indicators

Every component of the Firefly system uses an LED to communicate network status. Use the key below to determine the network status of your hardware. *

Panel Network Status Indicator – Applies to any device with a network indicator:

/ Fast flashing Green Light (4 times/sec) – Device is attempting to make initial connection.

/ Slow flashing Green Light (1 time/sec) – Device was online but has been offline for at least 5 sec.

 Solid Green – Device is connected to network and is communicating properly.

 Solid Red – Device has gone offline and is not connected to a network.

/ Alternating Red & Orange – Device has gone offline and is trying to re-connect (within 30 sec).

/ Alternating Green & Orange – Device is currently online but has gone offline 2 or more times

*Note: Mira modules use a different networking key. Please see the next page.

Mira NET LED Status Key

The NET LED on your Mira module can change color in different situations. Use the following key to determine the operational status of your Mira module.

	Off	Device has no power or has completely failed
	Fast flashing green (4 times/sec)	Device is attempting to make initial connection to the CAN network and good files
	Solid green	Device is operating correctly and has seen a CAN message in the past 5 seconds and good files
	Slow flashing green (1 time/sec)	Device was active on the CAN bus but has not seen a valid message in 5 seconds and good files
	Alternating red and yellow	Device has not seen CAN messages in 30 seconds and good files
	Alternating yellow and green	Device is currently active on the CAN bus but has not seen a CAN message within a 30s interval 2 for more times since the last power cycle and good files
	Solid red	Device has not seen a CAN message in the past 60 seconds and good files
	Fast alternating green and blue (4 times/sec)	Device is attempting to make initial connection to the CAN network and corrupted files
	Solid blue	Device is operating correctly and has seen a CAN message in the past 5 seconds and corrupted files
	Slow alternating green and blue (1 time/sec)	Device was active on the CAN bus but has not seen a valid message in 5 seconds and corrupted files
	Alternating red and blue	Device has not seen CAN messages in 30 seconds and corrupted files
	Alternating yellow and blue	Device is currently active on the CAN bus but has not seen a CAN message within a 30s interval 2 or more times during a power cycle and corrupted files
	Solid purple	Device has not seen a CAN message in the past 60 seconds and corrupted files
	Flashing white	Device pin is being reset
	Solid yellow	Device pin has been reset
	Flashing blue	Device does not have a valid application
	Flashing red (2 seconds)	Factory test: Red LED
	Flashing green (2 seconds)	Factory test: Green LED
	Flashing blue (2 seconds)	Factory test: Blue LED

G8 Form

Customer: Coachmen

Revision: 4v4

Model: Galleria PN (7200001)

Date: 6/12/2018 CT

J8 (20A MAX, 1-4 RP 5-8 RP OPT.)

Pin 1 (Output 1): AWNING EXT (MOM)
Pin 2 (Output 2): AWNING RET (MOM)
Pin 3 (Output 3): COMPRESSOR HIGH
Pin 4 (Output 4): COMPRESSOR LOW
Pin 5 (Output 5): WATER PUMP
Pin 6 (Output 6): WHITE READING LIGHT
Pin 7 (Output 7):
Pin 8 (Output 8): BATH LIGHT

J3 (INPUTS - 1-6 THERMISTOR 7-12 GND)

Pin 1: TEMP SENSOR
Pin 2:
Pin 3:
Pin 4:
Pin 5:
Pin 6:
Pin 7: TEMP SENSOR GROUND
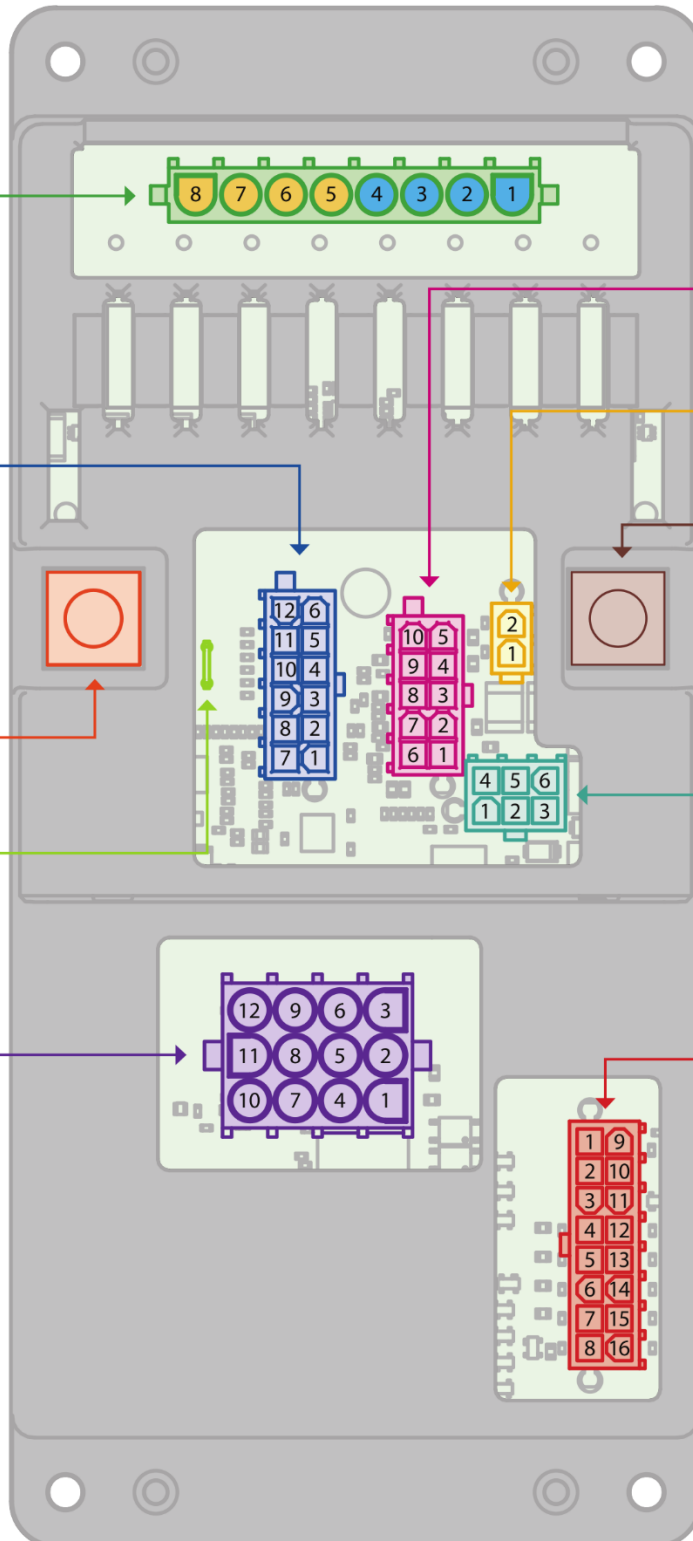Pin 8:
Pin 9:
Pin 10:
Pin 11:
Pin 12:

J2

Module 12V+ (M8 Bolt)

J13 (.250 MALE SPADE)

Real Time Clock (Constant 12V+ Supply)

J9 (2A MAX, LOW CURRENT OUTPUTS)

Pin 1 (Output 9): CEILING LIGHTS (DIM)
Pin 2 (Output 19): GALLEY LIGHTS (DIM)
Pin 3 (Output 20): DINETTE LIGHTS (DIM)
Pin 4 (Output 10): FRONT MOOD LIGHTS (DIM)
Pin 5 (Output 17): REAR MOOD LIGHTS (DIM)
Pin 6 (Output 18): CABINET LED LIGHTS (DIM
Pin 7 (Output 11): CHARGE SHUT-OFF
Pin 8 (Output 15): PORCH LIGHT
Pin 9 (Output 16): AWNING LIGHTS
Pin 10 (Output 12): PROAIR FAN VARIABLE (3-8v) (NO PIGTAIL)
Pin 11 (Output 13): FRONT CABINET LIGHTS (DIM)
Pin 12 (Output 14): REAR CABINET LIGHTS (DIM)

J4 (INPUTS)

Pin 1: LP (OPTIONAL)
Pin 2: FRESH (OPTIONAL)   **Tank 1**
Pin 3: GREY (OPTIONAL)   **Tank 2**
Pin 4: BLACK (OPTIONAL)   **Tank 3**
Pin 5:   **Tank 4**
Pin 6:
Pin 7:
Pin 8:
Pin 9:
Pin 10: GROUND - ALL TANKS

J1 (OUTPUTS - GROUND ONLY)

Pin 1 (Output 21): GENERATOR START (GROUND) (DEL MOM)
Pin 2 (Output 22): GENERATOR STOP (GROUND) (MOM)

J5

Module Ground (M6 Bolt)
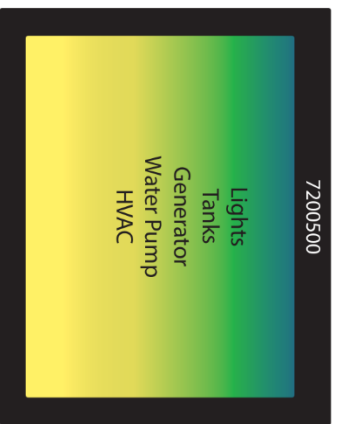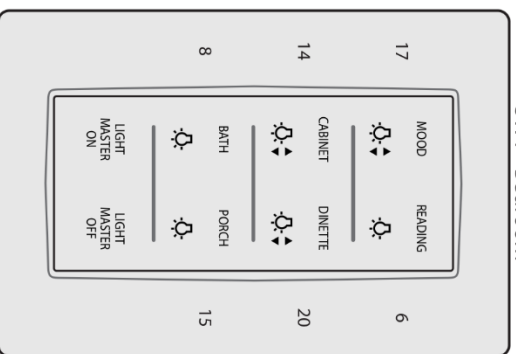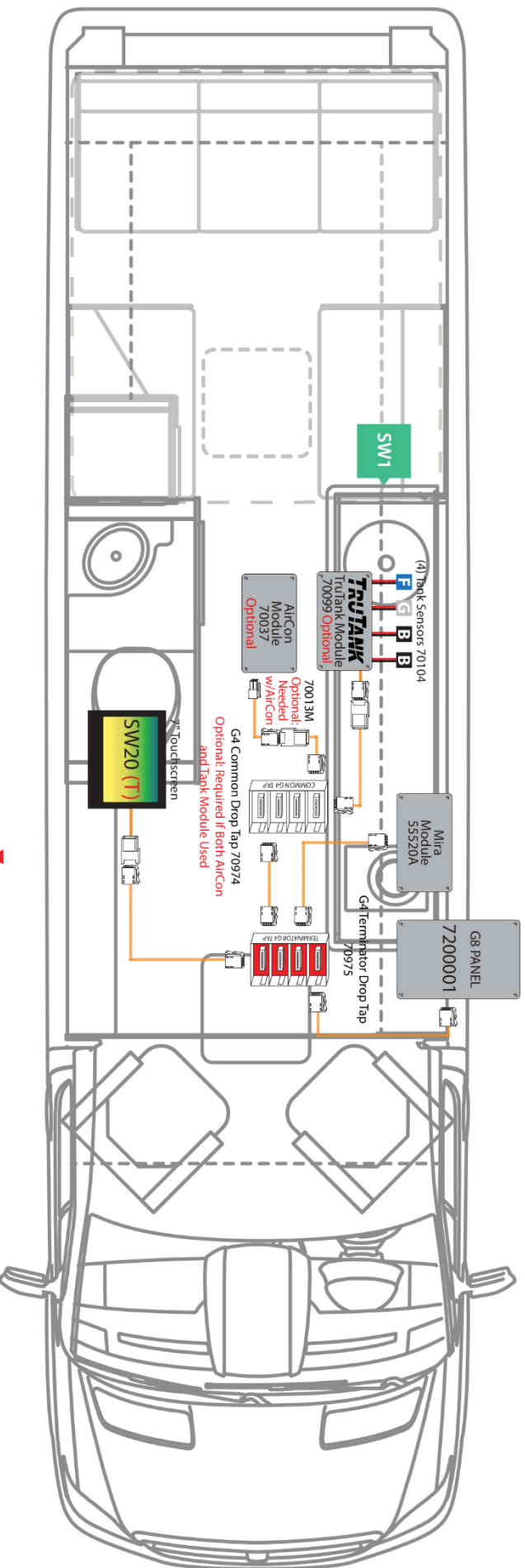
J6

Pin 1:
Pin 2:
Pin 3:
Pin 4:
Pin 5:
Pin 6:

J10 (INPUTS)

Pin 1: GENERATOR STATUS & HOURS (12V+)
Pin 2:
Pin 3:
Pin 4:   Switch 2 —
Pin 5:   Switch 4 —
Pin 6:   Switch 6 —
Pin 7:   Switch 8 —
Pin 8:   Switch 10 —
Pin 9: CHS VOLTAGE (12V+)
Pin 10:
Pin 11:
Pin 12:   Switch 1 +
Pin 13: SHORE SENSE (12V+)   Switch 3 +
Pin 14:   Switch 5 +
Pin 15: IGNITION (12V+)   Switch 7 +
Pin 16:   Switch 9 +

Pin Legend: ■ Reverse Polarity   ■ Reverse Polarity Option

70345

SW1 - Bedroom

17	MOOD	READING
14	CABINET	DINETTE
8	BATH	PORCH
	LIGHT MASTER ON	LIGHT MASTER OFF
15	20	6

7" Lyra (T) Touchscreen - SW20

7200500

Lights
Tanks
Generator
Water Pump
HVAC

SW1

(4) Tank Sensors 70104

TruTank Module 70099 Optional

F G B B

AirCon Module 70037 Optional

70013M Optional: Needed w/AirCon

G4 Common Drop Tap 70974
Optional: Required if Both AirCon and Tank Module Used

COMMON G4 TAP

SW20 (T)

4" Touchscreen

TERMINATOR G4 TAP

Mira Module 5520A

G4 Terminator Drop Tap 70975

G8 PANEL 7200001