Firefly Integrations

VEGATOUCH

Coach House V5 Manual

CoachHouse®

HOME   9:32AM

Light Master
ON   OFF

FRESH GREY BLACK LP
100%   100% 100%   Disc.

Water Pump   Tank Heater

Please engage Parking Brake to control slides.

Please turn off ignition to control awning.

EXT   Sofa   RET

76°
73°   H

House
12.2V

Chassis
0.0V

Start   GEN Stopped 0.0 Hrs   Stop

AGS   DISABLED

Imagination ~ Innovation ~ Integration

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

Coach House V5 Manual

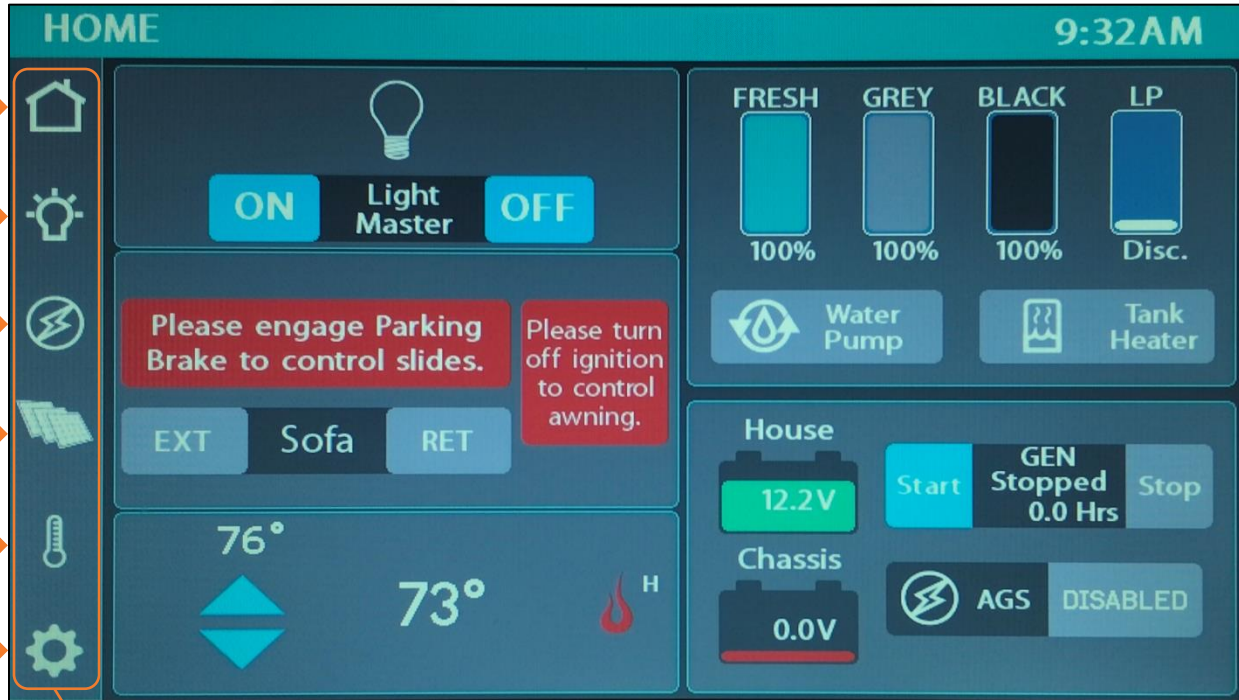**The information contained in this manual is a general overview of the Firefly system and is subject to change at any time.**

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

Home

Lights

Electrical

Solar

Climate

Settings

Navigation Menu

Home

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.
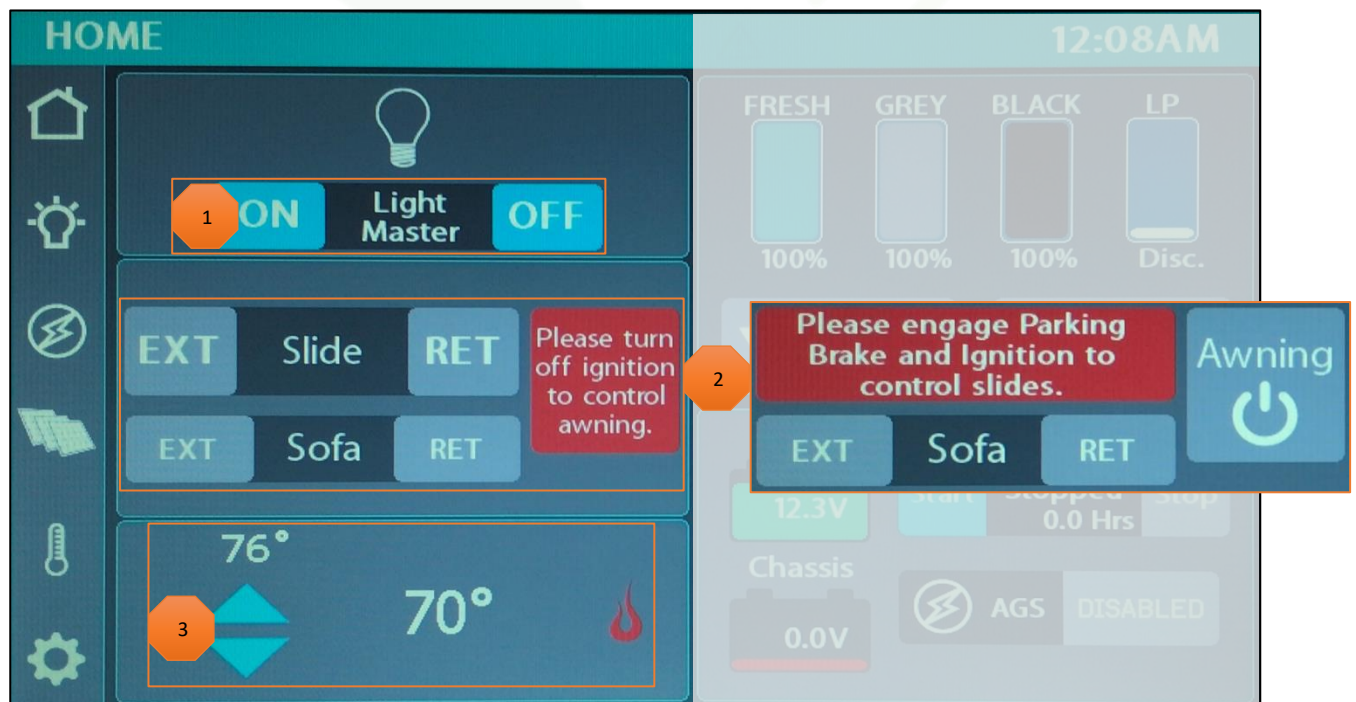
2 The use of the Slides and Awning will be dependent on the signals being received by the G12 panel.
Slides – Engage Parking Brake and Ignition to unlock. Press and Hold EXT or RET to operate.
Awning – Turn off Ignition to unlock. Tap the button to toggle Awning Power On/Off.

3 Climate Control – Tap the arrows to select your desired temperature. The current temperature and climate control mode will display on the home screen.

These graphics represent the percentage filled for holding tanks.

The LP Tank readings are as follows:

Disconnected – above 80%. Percentage changes to Disc and tank shows empty.

Full – 75% to 80%. Percentage changes to Full and tank shows accurate level.

Actual Level – Displays actual percentage and level 25% – 75%.

Low – 25%. Percent changes to Low and tank shows accurate level.

Tap to toggle On/Off.

LP percentage remaining (shown disconnected).

4 Battery Level Indicators - These graphics will indicate the battery voltage for the House and Chassis batteries. The graphics will display Green while above 12V and Red while below 12V.

Tap to Enable/Disable AGS (Action Required).

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

5 **Generator Controls**

The Generator display will show the total number of generator hours accumulated as well as the current operating status (running or stopped). Generator hours are saved to the system, not to the generator itself. Press and Hold the Gen Hours Tally for 5 seconds to change the number of Gen Hours being displayed.

Gen Start – Tap Start to start the generator.

Gen Stop – Tap Stop to stop the generator.

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.
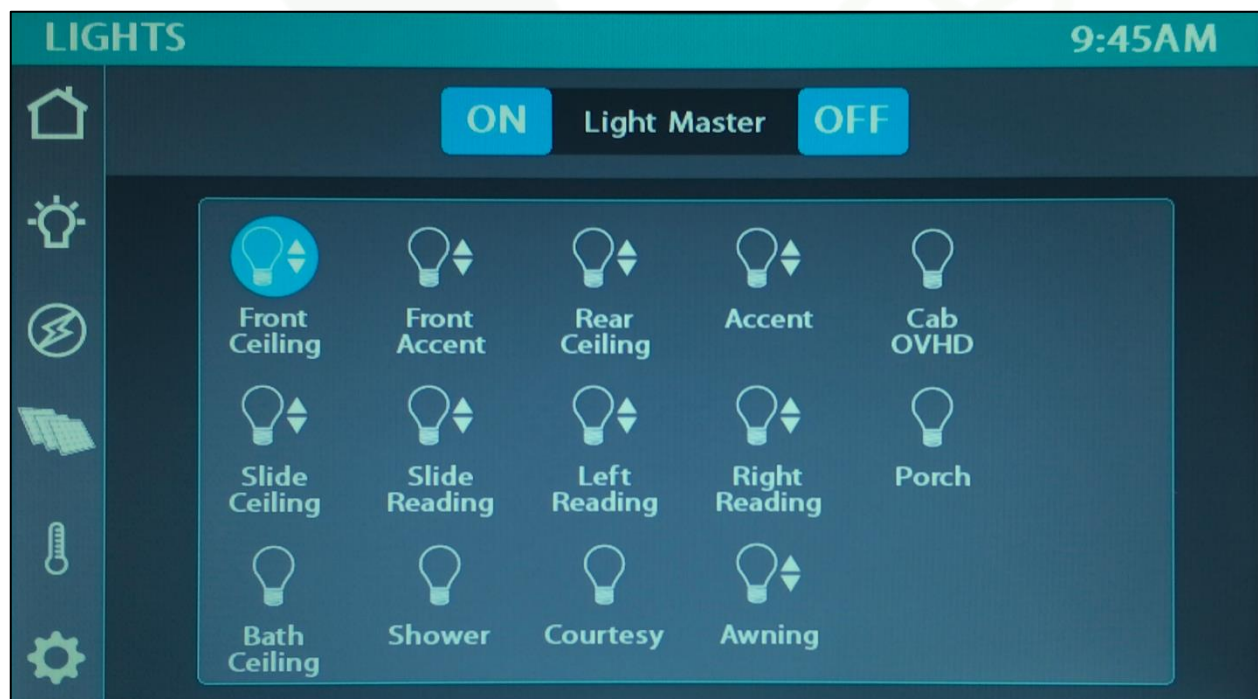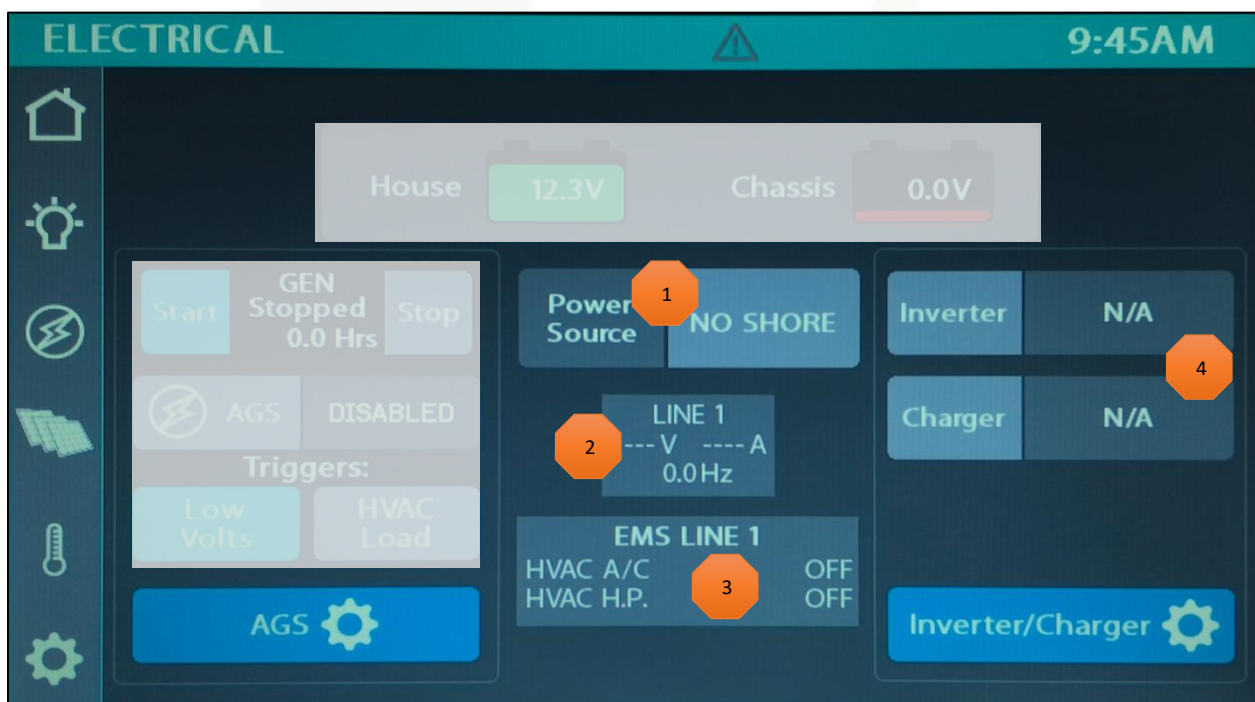
Electrical

1 Power Source Select – 30-amp shore power will display automatically if connected to a 30-amp line. Tap to select 20 or 15 amp if your coach is connected to a 20-amp line or less (single phase).

2 Shore Line Display – AC power displays the voltage, amperage draw and frequency.

3 Energy Management System (EMS) – EMS will ensure that power is available before allowing certain systems to run. If power is not available, it will not allow particular systems to run (shed the load).

4 Inverter/Charger – Tap to toggle through the operating modes.

Auto Gen Start Settings

AGS — Enabled

Triggers: Low Volts | HVAC Load

- Quiet Time Start: 9:00 PM
- Quiet Time Stop: 7:30 AM
- Start at: 12.2 V
- Time at Start Volts: 15 Sec
- Stop at: 13.2 V
- Time at Stop Volts: 5 Min
- Min Gen Run Time: 10 Min
- Max Gen Run Time: 240 Min
- Gen Start Retries: 5

Tap to Enable/Disable AGS. A warning message will require action to Enable.

(Low Volts) or when A/C or Heat Pump starts (HVAC). Select one or both triggers. If no triggers are selected, AGS will not run. Disable HVAC Load while connected to shore power to keep the generator from starting.

Quiet Time Start - Use the +/- buttons to select the starting point for Quiet Time, the hours that your generator will not run in an effort to reduce noise.

Quiet Time Stop - Use the +/- buttons to select the stopping point for Quiet Time. AGS will work normally at this point.

Start at Volts - The generator will start when the voltage drops to this set point depending on "Time at Start 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 minute)

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 – 120min)

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

Gen Start Retries - Use the +/- buttons to set the number of tries that your generator will retry to start. (Range 1-5 retries)

Inverter/Charger

This screen will display the status of the charging system (currently disconnected). Tap the arrows at the bottom of the screen to select your desired page.
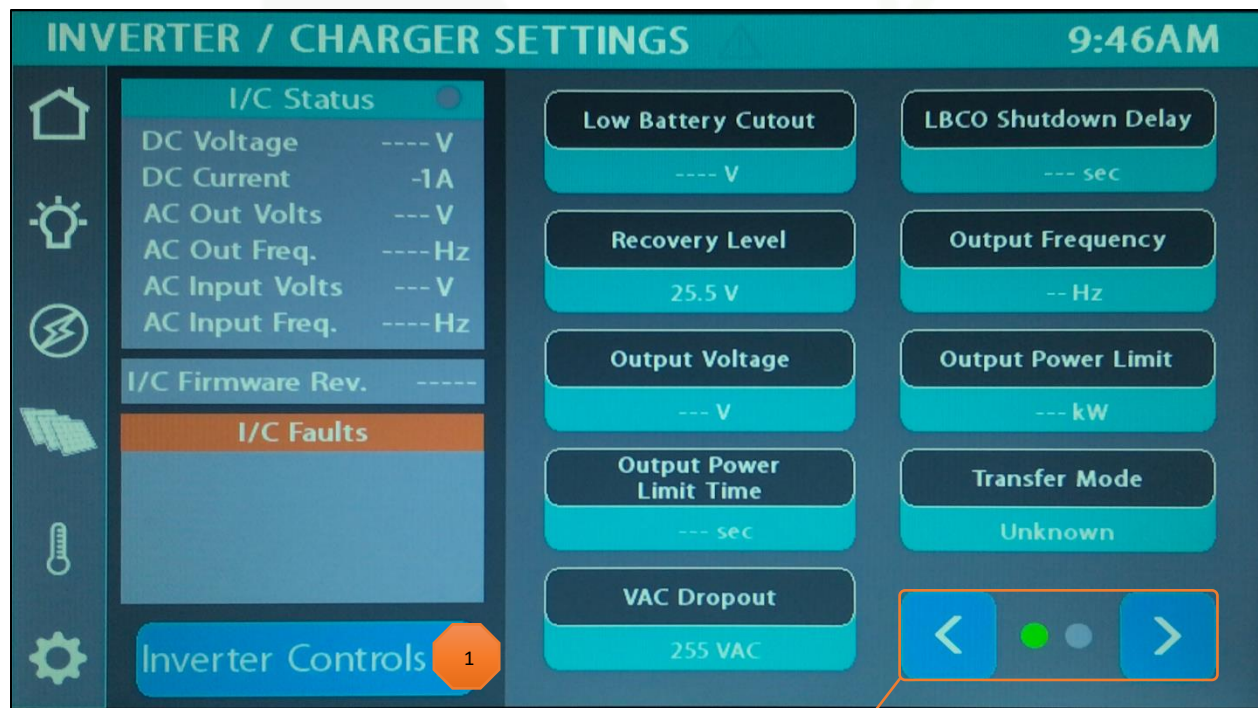
Page Selector.

1 Inverter Controls – Tap to navigate to the controls screen.

2 Tap the +/- buttons to enter your desired Inverter/Charger settings. Tap Save once your desired settings have been selected.

**3** Reset to Defaults – Tap to reset all charging settings back to factory settings.
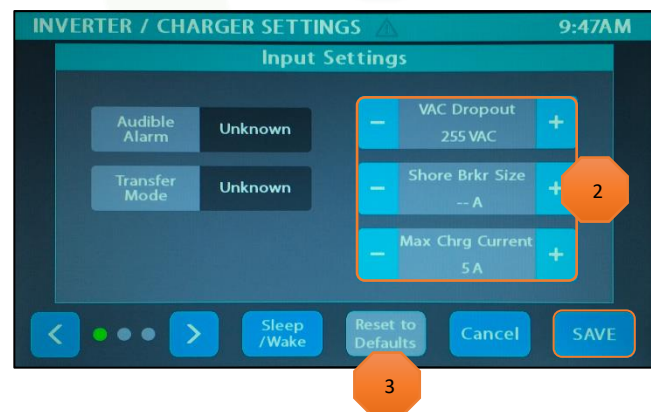
Solar

This screen displays the status of the Go Power solar controller (shown disconnected). For operating instructions, please see your Go Power User's Manual.

1 Tap Setup to navigate to the settings pages. Tap "Set Defaults" to undo any unwanted changes and return the controller back to factory default settings.
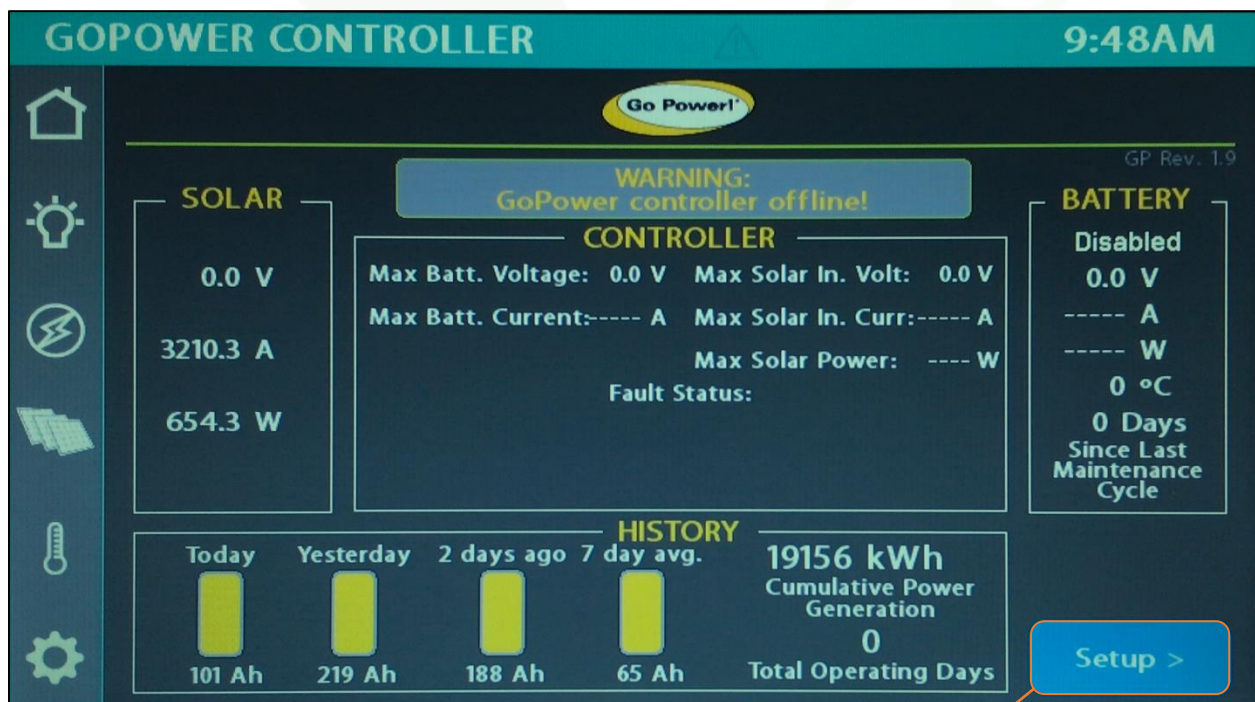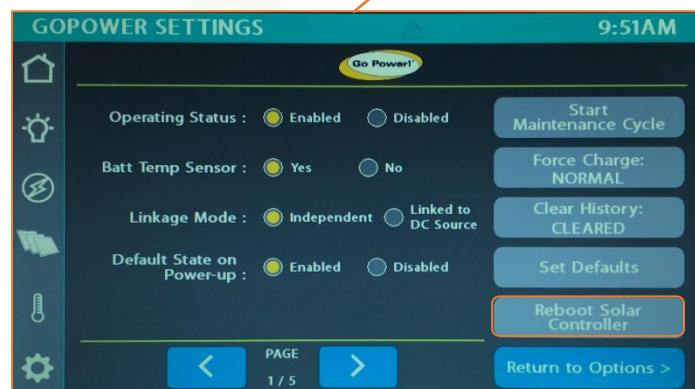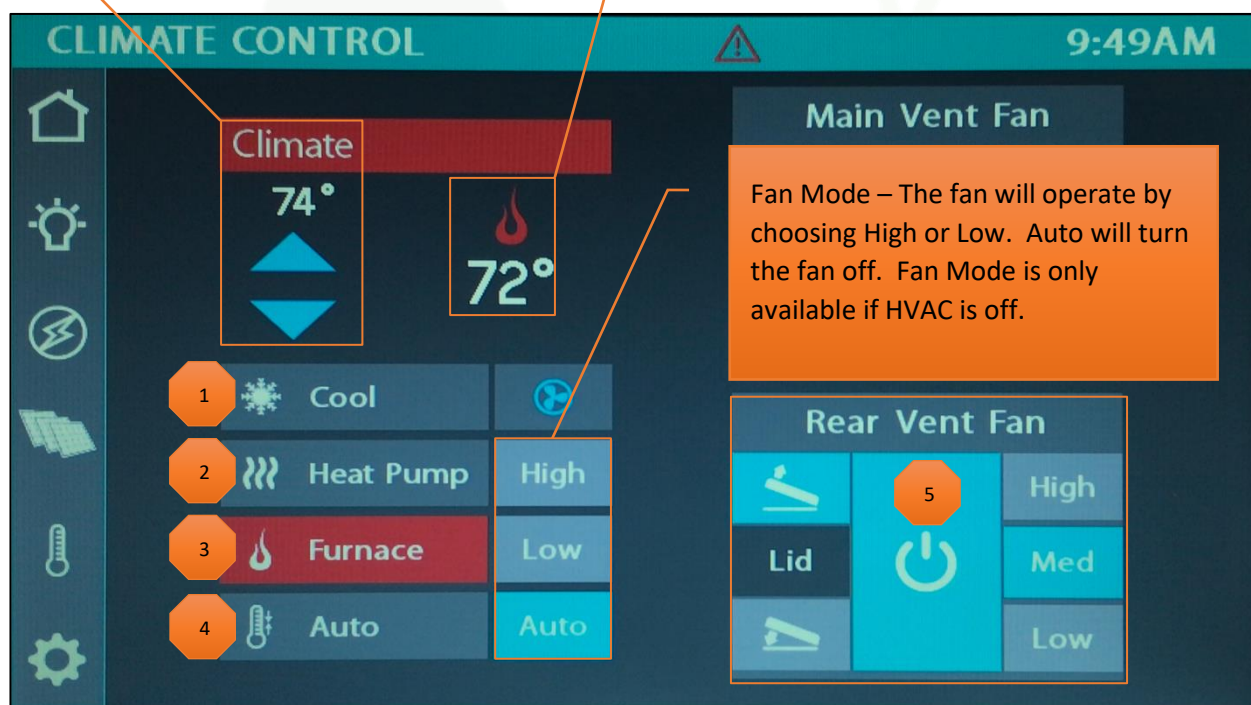
Climate Control

Use the Arrows to select your desired temperature by zone.

Current Temperature/Mode/Fan speed.

CLIMATE CONTROL ⚠ 9:49AM

Climate
74°

72°

Main Vent Fan

Fan Mode – The fan will operate by choosing High or Low. Auto will turn the fan off. Fan Mode is only available if HVAC is off.

1 ❄ Cool
2 🌀 Heat Pump   High
3 🔥 Furnace   Low
4 🌡 Auto   Auto

Rear Vent Fan

Lid   5   High
Med
Low

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.

2 Heat Pump – Tap to operate the Heat Pump. The Heat Pump will run until the current temp reaches your desired temp and then shut off.

3 Furnace – Tap to operate the furnace. The furnace will run until the current temp reaches your desired temp and then shut off.

4 Auto – Tap to put the system into Auto mode. The A/C or Heat Pump will automatically run to keep your desired temperature consistent. Furnace may be selected manually to be used in addition to the Heat Pump.

5 Vent Fan Controls – Tap Power to raise the lid and start the fan at medium speed. Tap a speed selection if you'd prefer it to run faster or slower. Tap Lid Down to power off the fan and close the lid. Tapping Lid Up will raise the lid but will not start the fan.

Settings

SETTINGS ⚠ **9:49AM**

1 Network Diagnostics >

2 Switch Panel Info >

3 Mobile App >

4 Floorplan: Queen

5 Screen Brightness 10%

6 Auto Dimming

7 Cleaning Mode >

8 Temperature Units: Fahrenheit

9 ∧ 9:49AM ∧ Hour Minutes ∨ 24 Hour ∨

GUI Version: 5.2   Logic Controller Version: 5.2

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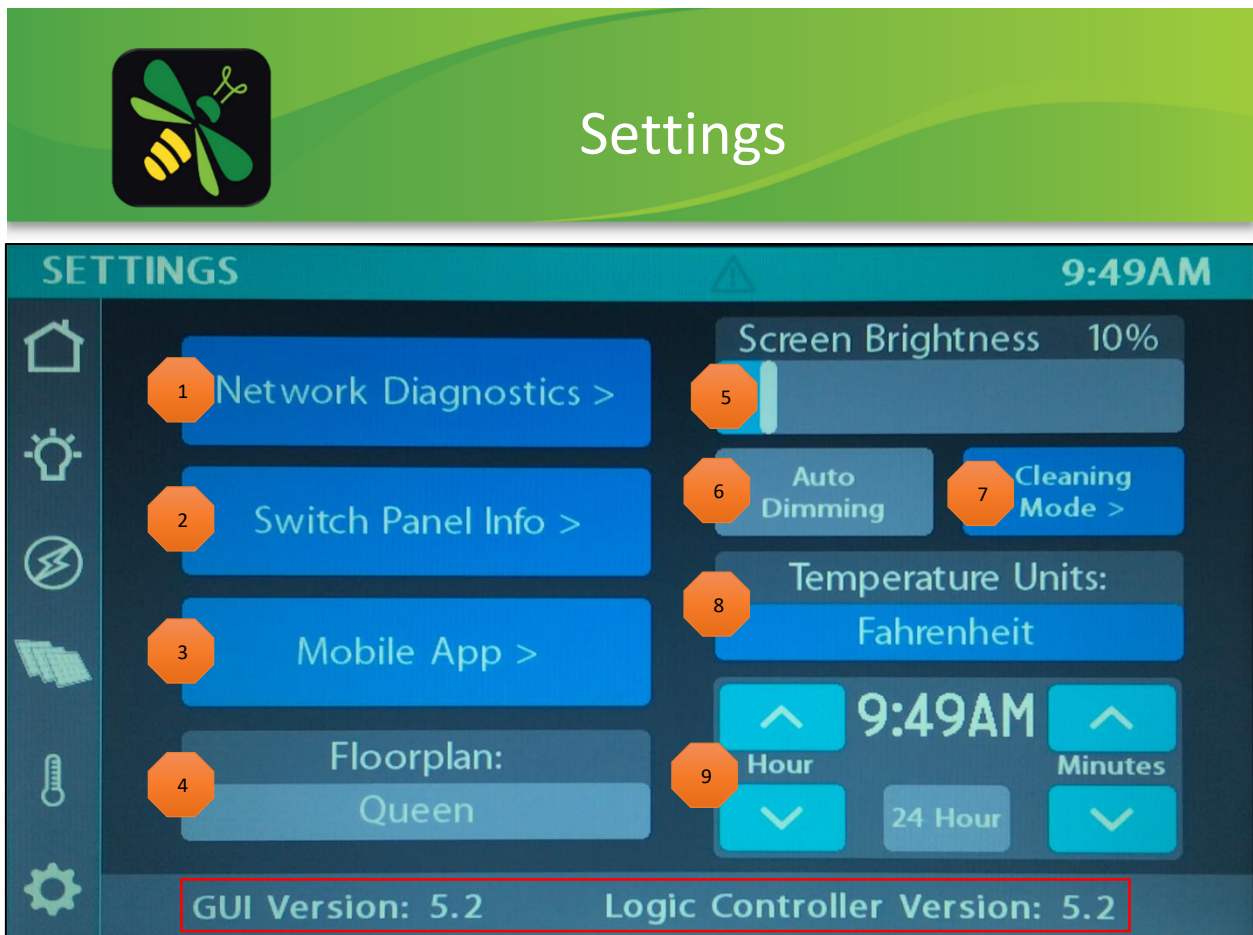
1   Tap to enter the Network Diagnostics page.

2   Navigate to the Switch Panel Info page.

3   Tap to enter the Vegatouch Eclipse connection screen.

4   Floorplan display.

5   Drag the slider to adjust Screen Brightness.

6   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.

7   Clean Mode - Disables touchscreen functionality (15 seconds) for the purpose of cleaning.

8   Tap the temperature units display to switch between Fahrenheit and Celsius.

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

Please note the GUI and Logic Controller versions and have these numbers available before calling Tech Support.

Vegatouch Eclipse 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 these systems.

Settings/Network Diagnostics

Devices/Faults - This screen will show the status of the Lyra screen and the G12 panel. It will also display any current faults the system is experiencing. Tap the tabs at the bottom of the screen to visit the different diagnostic pages.

A red triangle will appear whenever a fault condition exists. Tap it to navigate to the Network Diagnostics page for specific fault information.

Current Faults

Green = Online
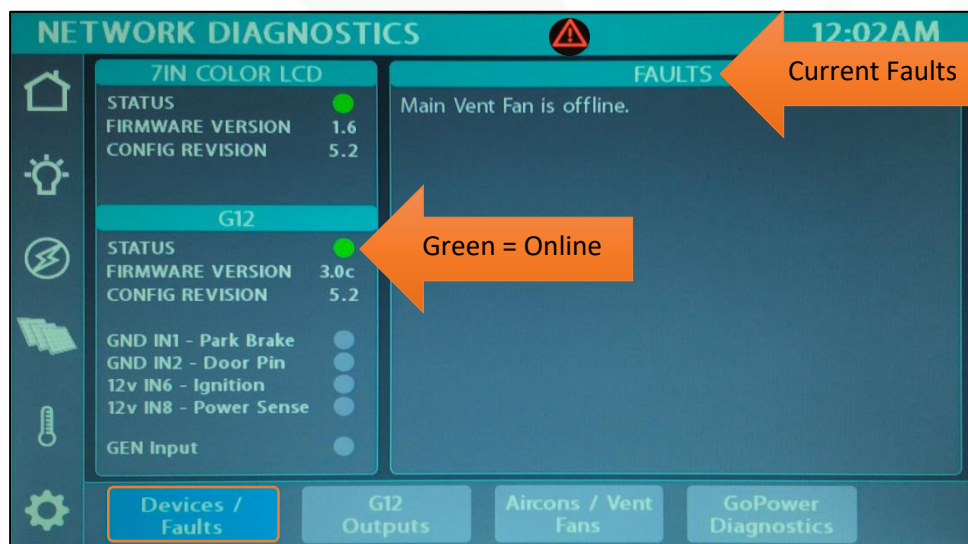
G12 Outputs - This screen will show which G12 Outputs are currently active.

Active Output
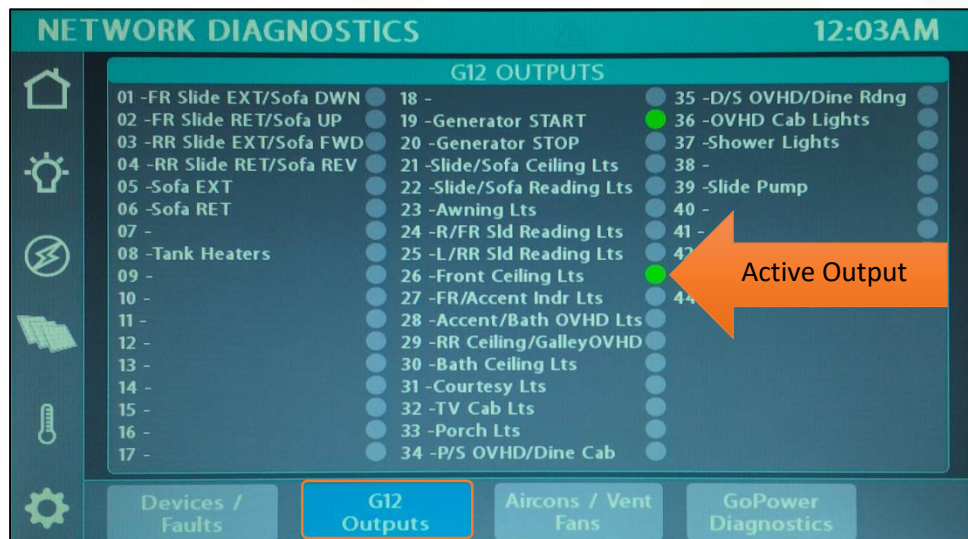
Aircons/Vent Fans - This screen will show the current status of the Aircons and Vent Fan Controllers.
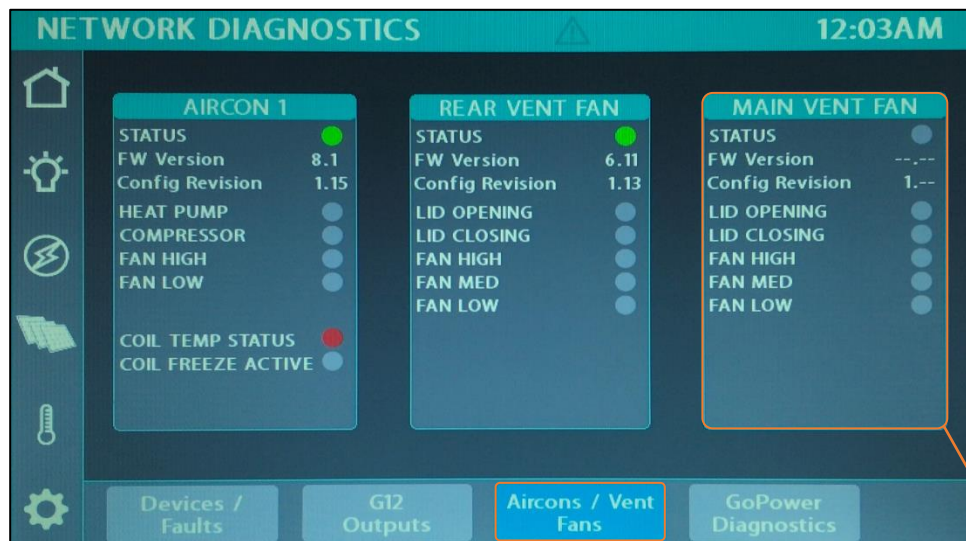
Main Vent Fan Controllers Disconnected.

Go Power Diagnostics – This screen will show the status of the Go Power controller (shown disconnected).


Disconnected

Overcurrent Detection

If an output on the G12 experiences an overcurrent fault, a lightning bolt graphic will appear at the top of the screen. Tapping the Lightning Bolt graphic will result in a Warning screen with a brief set of instructions. From this screen, tap Continue to navigate to the Diagnostics screen.
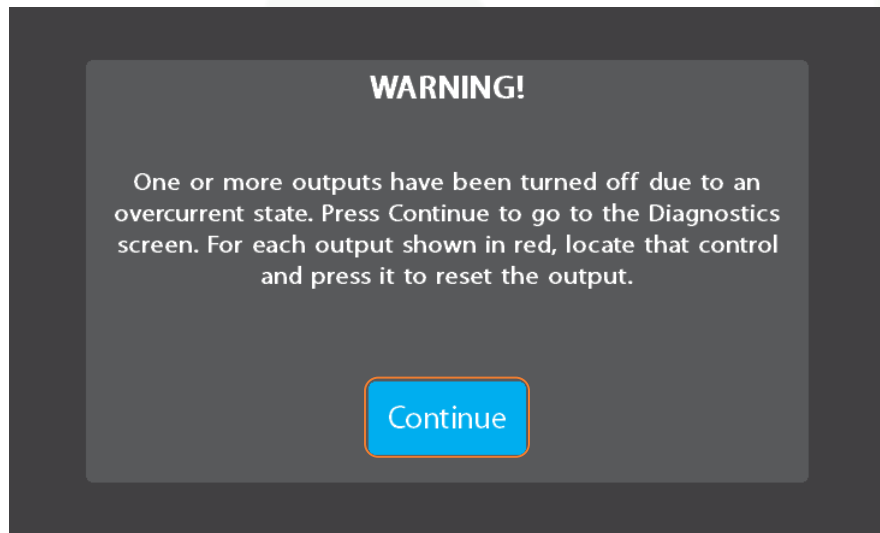
The Diagnostics screen will use red lights to alert you of overcurrent detections. To clear the faults, navigate to each faulted control and tap them to reset. Note – you'll notice that their buttons have turned red and will remain that way until cleared.
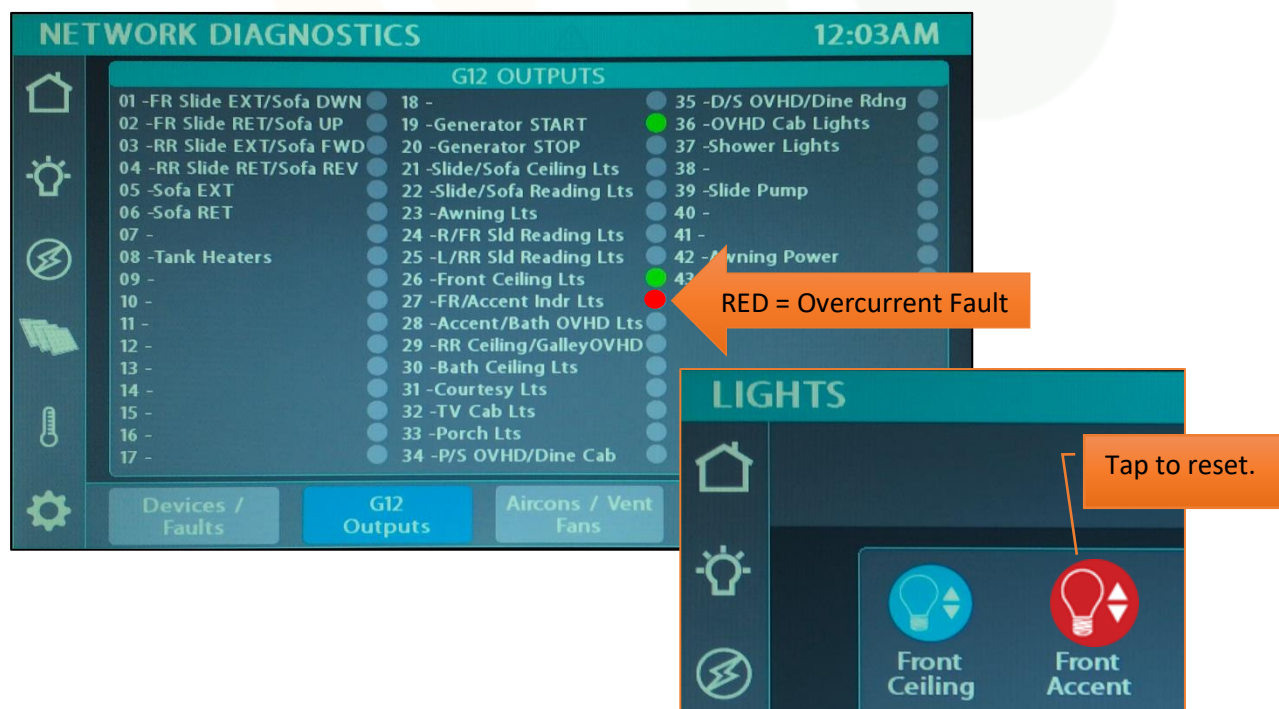
The color-coded Wireless Graphic and Signal Strength Value will identify the status of a wireless switch panel.

- Green – Over 100 (Strong)
- Yellow – 85-100 (Medium)
- Red – Less than 85 (Weak)
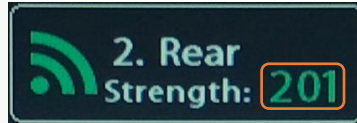
Red Wireless Graphic with a Zero reading – The switch is currently disconnected from the screen. It is likely that the battery inside your switch panel needs replaced. The wireless switch panel in your coach will illuminate a green LED whenever a button is pressed. If the LED on your switch panel does not illuminate when you press a button on your switch, you will need to replace the 2032 coin cell battery.

If the LED is illuminating but the switch still won't function, see the Wireless Switch Pairing section of this manual.

Press and hold the floorplan box for 7 seconds to enter the Floorplan/Options selection screen. From here, you'll be able to select the correct floorplan and any options that are specific to the coach. Tap Apply to save and exit.

SETTINGS

Network Diagnostics >

Switch Panel Info >

Mobile App >

Floorplan:
Queen

GUI Version: 5.2   Logi

FLOORPLANS / OPTIONS   9:50AM

Floorplans

Queen	Arriva
Front Sofa	272XL
Non-Slide	Diesel
Multi	Ship Mode

Apply >   GoPower Settings>

Options

- ☐ Generator Controls   ☐ Xantrex Inverter
- ☐ Slide Controls (Not avail. for Arriva)   ☐ GoPower Solar
- ☐ Sofa Controls (Non-Slide only)   ☐ Fusion Radio
- ☐ Awning Lights   ☐ Tank Heaters
- ☐ Switch 1 (Diesel only)   ☐ Sofa EXT/RET

GoPower Controls: − 1 +

Batteries: ● 1   ○ 2

1

1 Go Power Settings – Tap to select the number of controllers and batteries installed in the system.

Wireless Switch Pairing

Red switch indicator with a zero reading – 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 a switch graphic for 3 seconds until the pairing screen appears.

2 Tap Start Pairing. You'll have 30 seconds to press and hold any 2 buttons on the switch panel at the same time for 5 seconds.

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

Vegatouch Eclipse Setup

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 Eclipse module's label.

Download the Vegatouch Eclipse app from Google Play Store or the App Store.

Eclipse ID:
Eclipse-002645

Eclipse PIN:
777777

Reset PIN to Default

Download:
Download Vegatouch Eclipse from the Google Play store or the App Store. Once the download has finished, install the app and open it.
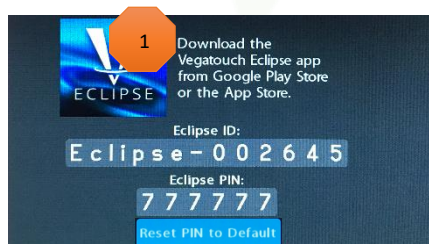
1 Press and Hold the logo for 7 seconds to switch between Mira and Eclipse if necessary.

VEGATOUCH
Eclipse Module 8600000
Eclipse-002645
Default Pin: 777777

Setup:
Tap SCAN to find the Eclipse Module's signal. After scanning, any Eclipse Module in your area will appear on the screen (the list is scrollable). Tap the ID # that matches the one for your Eclipse. Enter the PIN number from the Eclipse label and press AUTHENTICATE to connect to the system. You will need to reset the pin number once prompted. Enter your custom number and tap SET PIN to save.
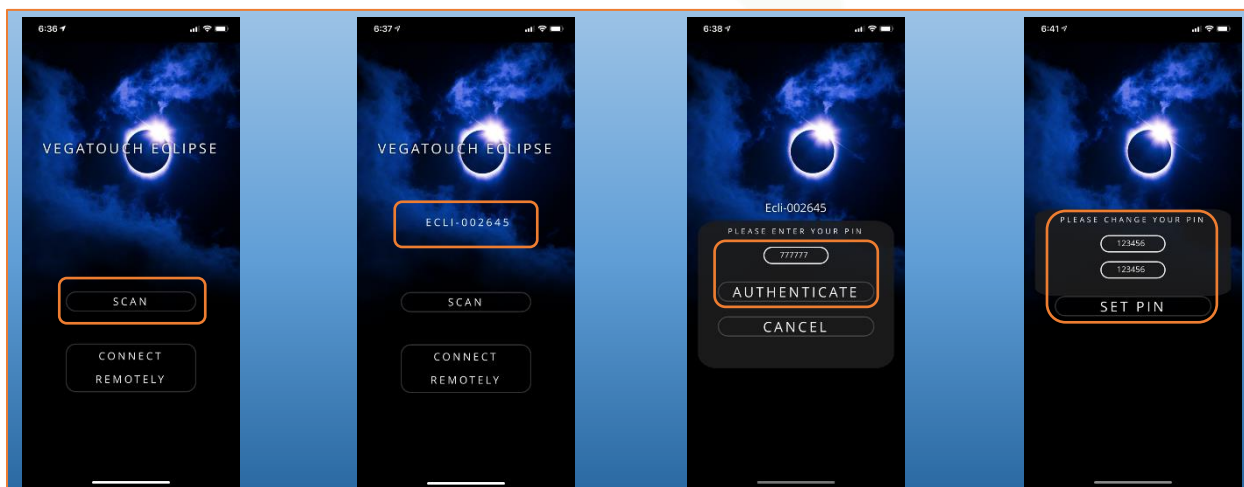
Notice: iOS Setup Tips

Turn on Bluetooth to allow Vegatouch Eclipse 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.
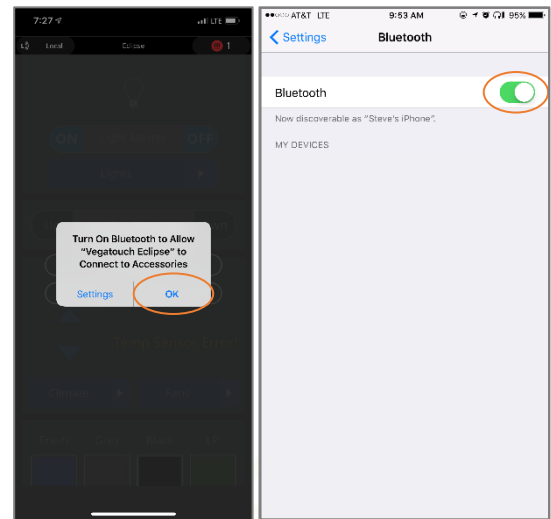
Location Services Required

To enable Location Services on your Apple device:

1. Go to settings/Privacy/Location Services.
2. Make sure that Location Services is ON.
3. Scroll down to find your app.
4. Tap the app and select "Always allow access to your location".

Notice: Android Setup Tips

Allow Vegatouch Eclipse to access this device's location.

Eclipse will need to be allowed access to your location. Tap ALLOW when you see this screen. If you do not tap allow, the module will not be found in the scan.

Location Services Required

To enable Location Services on your Android device:

1. Open your phone's Settings app.
2. Tap Location/App Permission
   -If you don't see "Location" tap Security & Location/Location.
   -If you have a work profile, tap Advanced/Location.
3. Under "Allowed all the time" and "Allowed only while in use" view the apps that can use your phone's location, tap it, then choose the location access for the app.
4. To change the App's permissions, tap it, then choose the location access for the app.
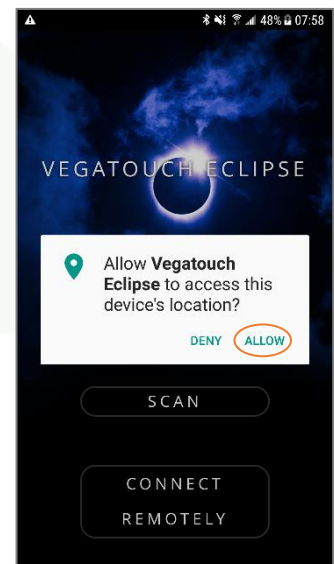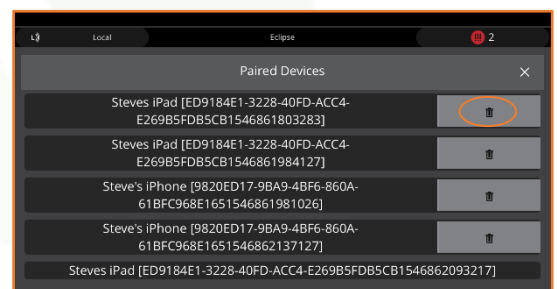
App Settings:

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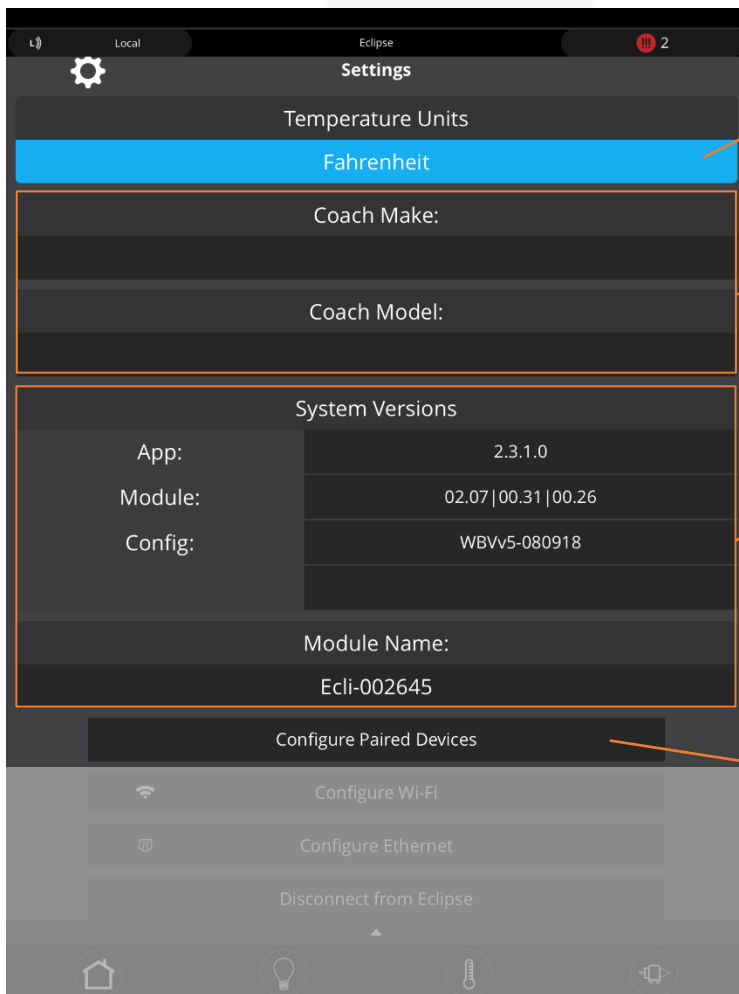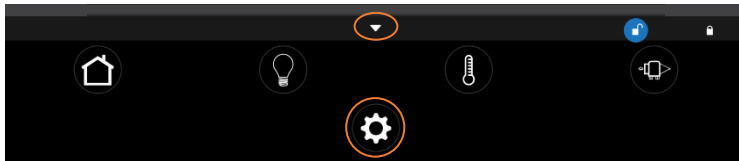
Tap the Temperature Units selection to choose between Fahrenheit and Celsius.

Make and Model of your coach.

System Information and Eclipse Name.

Configure Paired Devices:

Tap to display a list of devices which are currently paired to Eclipse. Tap the trash can icon to completely remove a specific device from memory. Once removed, this device will no longer have remote access to the system. Note, you cannot remove the device that you are currently using.

Configure Wi-Fi:

1 Tap the available Wi-Fi network that you would like to connect to. If your network is not listed, tap Refresh to scan again.

2 Type in the Security Key and tap Connect to join the network.

3 A white Ball and Socket will display once connection has been made. A Green Checkmark signifies that the password has been stored in memory.

4 Visit the Saved Networks page to quickly connect to previously used networks.
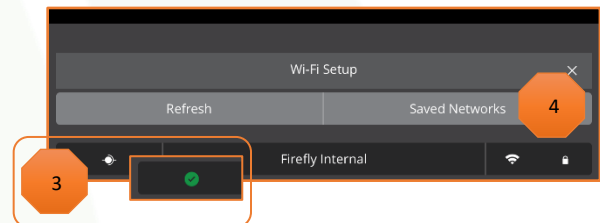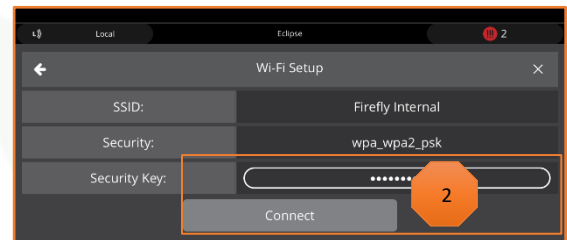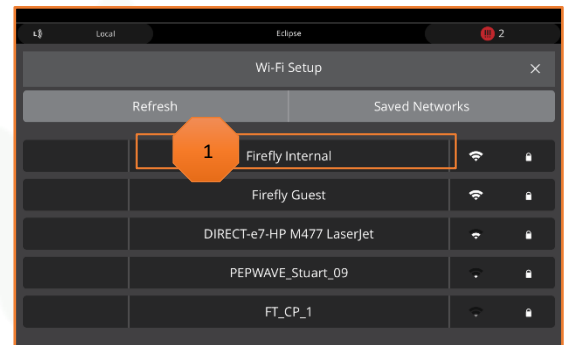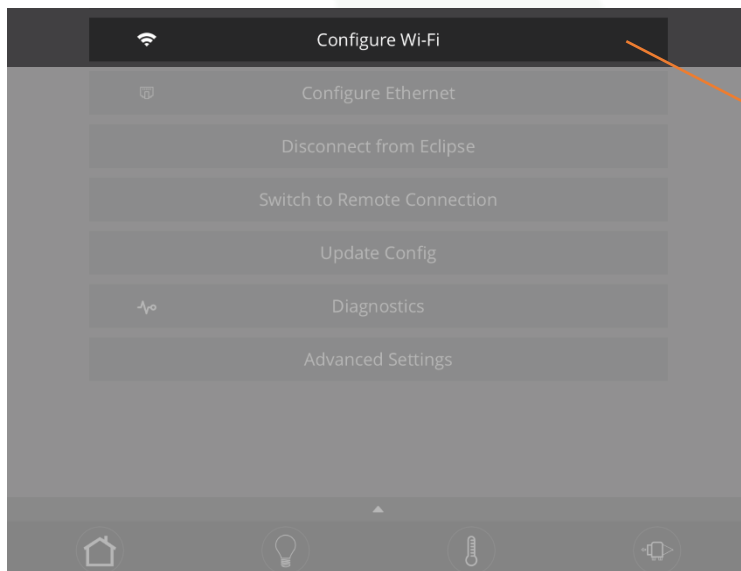
Configure Ethernet:

Tap Configure Ethernet if you'd prefer to use your Eclipse with a wired ethernet connection. Tap the Perfer Ethernet checkmark if you'd prefer to use an ethernet connection exclusively.
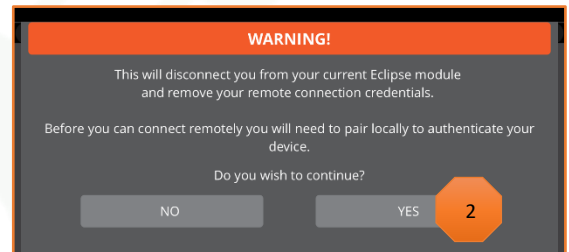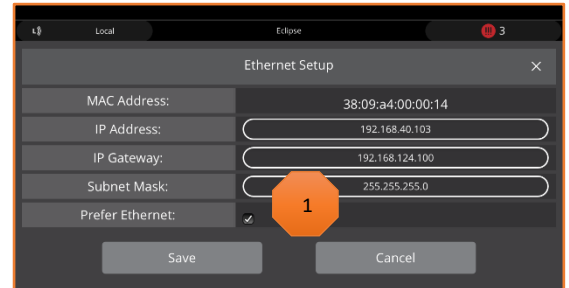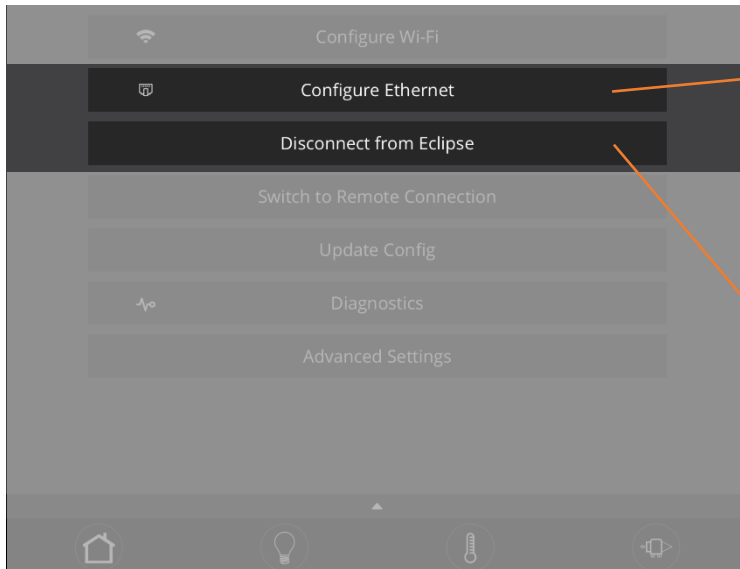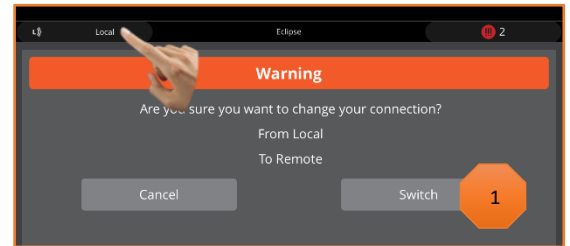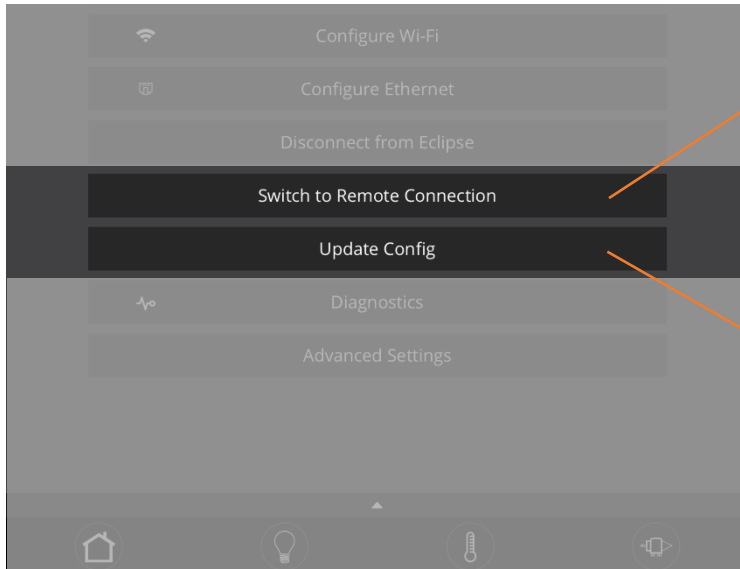

Disconnect from Eclipse:

Tap YES if you'd like to disconnect from Eclipse. Note, before you can connect remotely, you'll need to pair locally to authenticate your device.

Switch to Remote Connection:

1 Tap to switch between a Local and Remote location. The Local/Remote switch page can also be reached by tapping Local or Remote on the top bar.

🛜	Configure Wi-Fi
▯	Configure Ethernet
	Disconnect from Eclipse
	Switch to Remote Connection
	Update Config
ᴧ∿o	Diagnostics
	Advanced Settings

Local   Eclipse   2

Warning

Are you sure you want to change your connection?

From Local

To Remote

Cancel   Switch   **1**

Tap to update the config from the cloud.

Diagnostics:

Configure Wi-Fi

Configure Ethernet

Disconnect from Eclipse

Switch to Remote Connection

Update Config

Diagnostics

Advanced Settings

R))   Remote   Eclipse   2

Diagnostic Tools

Device List

Remote Help

Back
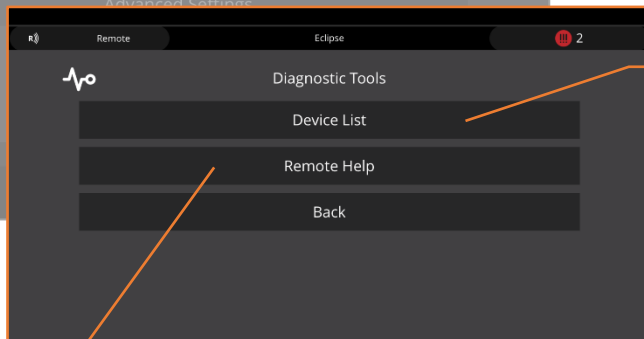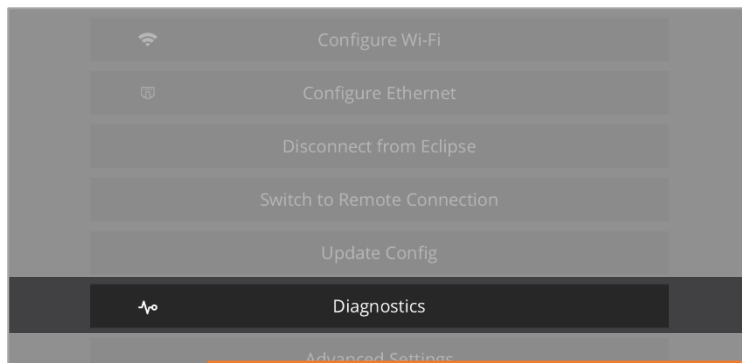
Tap to display a list of currently connected devices.

Remote Help is available by contacting Firefly Integrations. Do not enable Remote Help without consultation.

Remote Help

PLEASE CONTACT TECH SUPPORT BEFORE ENABLING REMOTE HELP

EMAIL: SUPPORT@FIREFLYINT.COM
PHONE: 574-825-4600

VEGATOUCH ECLIPSE
REMOTE HELP

SESION:516-920-604

ENABLE REMOTE HELP

CANCEL
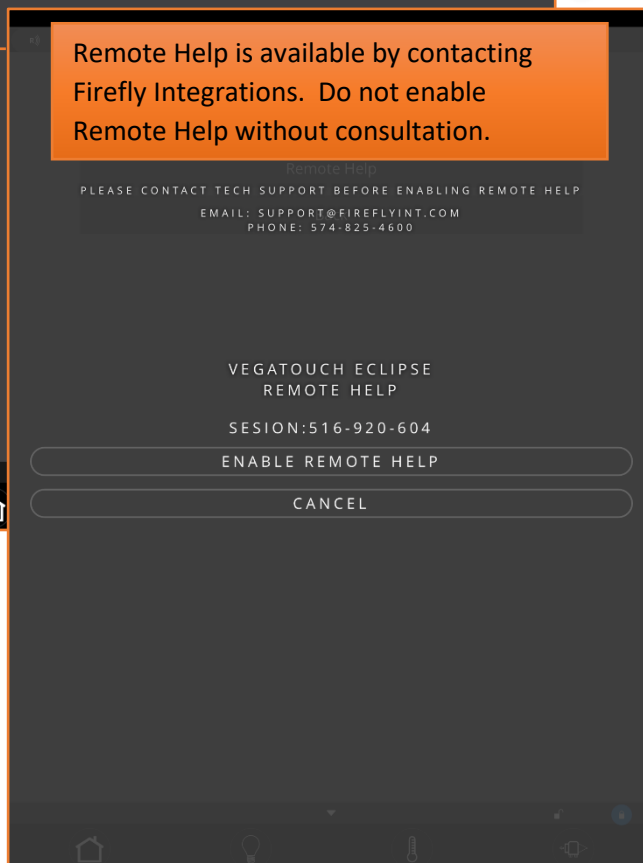
Advanced Settings:

1 Tap to set a custom pin number.

2 Tap to completely reset the device. A warning page will appear which will require you to confirm the action.
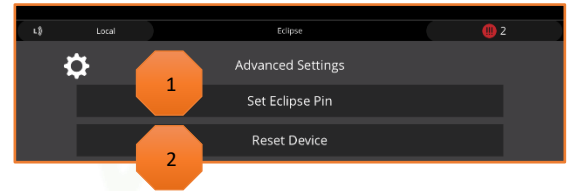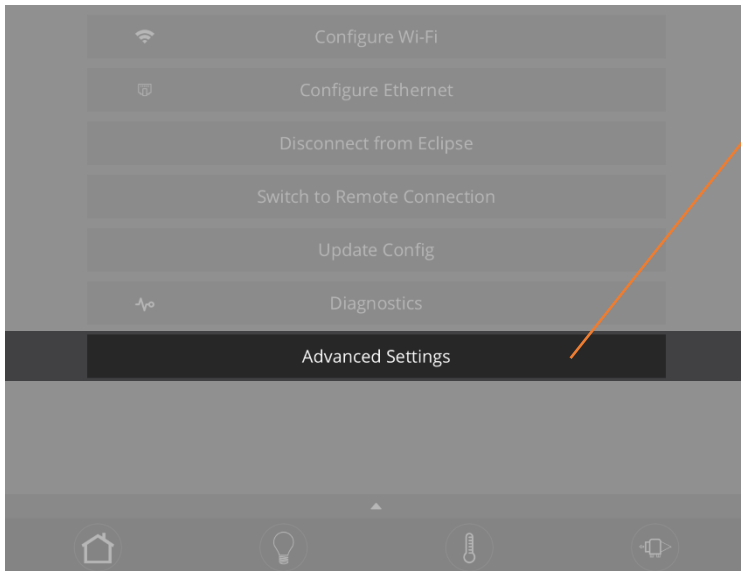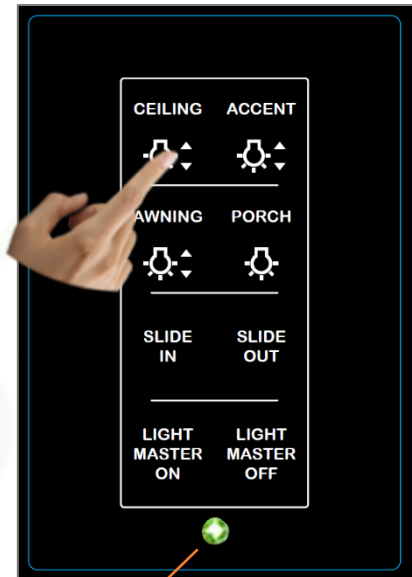
SSP17 Switch Panels

Your coach uses SSP17 switch panels to control lighting and other functions. Lights that are dimmable will have Up/Down arrows next to the icon. Press and hold these buttons to ramp the brightness up and down. Each time that a button is pressed, the Operational LED will illuminate green to indicate that the command has been sent to the touchscreen.

SSP17 switch panels use wireless RF technology to communicate with the Lyra touchscreen. These switches are powered by a 2032-coin cell battery. If you press a switch panel button and the operational LED does not illuminate, you'll need to change the battery. Simply use your fingers to pry the switch panel away from the wall-mounted backplate to access the battery compartment on the back of the switch.

Once you replace the battery, line the switch panel up with the backplate and apply pressure to snap the switch panel back into place.

Operational LED
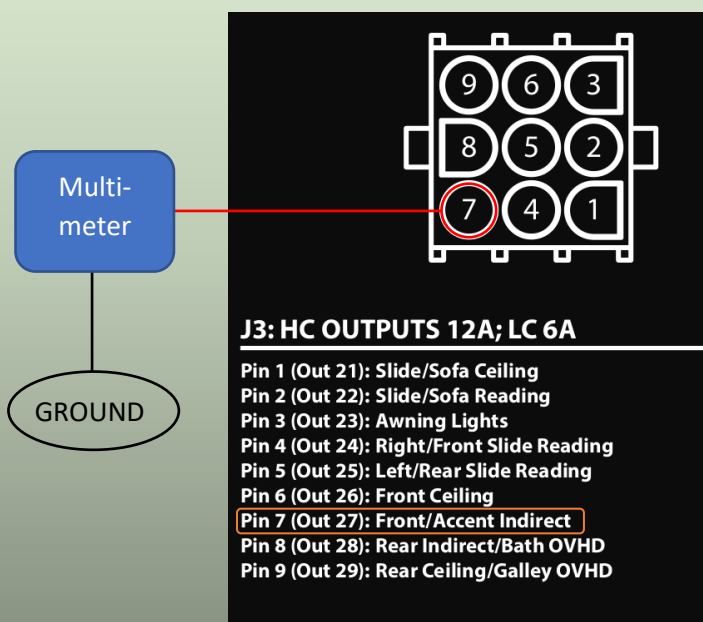
Slide the battery up to remove.

G12 DC Panel

Your G12 control panel is the power distribution center for the coach. This 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 G12 is numbered and listed on a black label (load list) which is usually mounted next to the G12 panel. Troubleshooting Example - If you press the Front Accent Lights button on your Lyra screen and the lights don't come on, check the Network Diagnostics Page to see if the light for Output 27 shows status. If it does, you will want to check output voltage on that pin to make sure that the G12 is sending power to the lights (Fig 1).

| Figure 1 | Test **Positive** Output Channels as shown: |

J3: HC OUTPUTS 12A; LC 6A

Pin 1 (Out 21): Slide/Sofa Ceiling
Pin 2 (Out 22): Slide/Sofa Reading
Pin 3 (Out 23): Awning Lights
Pin 4 (Out 24): Right/Front Slide Reading
Pin 5 (Out 25): Left/Rear Slide Reading
Pin 6 (Out 26): Front Ceiling
Pin 7 (Out 27): Front/Accent Indirect
Pin 8 (Out 28): Rear Indirect/Bath OVHD
Pin 9 (Out 29): Rear Ceiling/Galley OVHD

Multi-meter

GROUND

Networking

Your distribution panel and touchscreen 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:

G12 Panel

Back of Touchscreen

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: The NET LED for Eclipse/Mira Modules will operate differently. Please see the next page.

Mira NET LED Status Key

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

Please contact our Tech Support team for current system diagrams.

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