

FIREFLY
INTEGRATIONS



VEGATOUGH
LYRA

Super C V1 Manual

DYNAMAX 



Imagination ~ Innovation ~ Integration

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Dynamax Super C V1 Manual

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

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Lyra Touchscreen Overview

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.



This symbol will appear whenever a fault condition is present. Tap the triangle to visit the Network Diagnostics screen.

The screenshot displays the 'HOME' screen of the Lyra touchscreen interface. At the top left, the word 'HOME' is highlighted in a blue box. At the top right, there is a red warning triangle icon and the time '1:09AM'. On the left side, a vertical navigation menu is visible, with icons for Home, Electrical, Lights, Climate, Slides, and Settings. The main content area is divided into several sections:

- Lighting Controls:** Three light icons labeled 'Living Room', 'Kitchen OVHD', and 'Bed OVHD'. Below them is a 'Light Master' control with an 'ON' button and an 'OFF' button.
- Water Management:** Four water level indicators labeled 'FRESH', 'GREY', 'BLACK', and 'LP'. 'FRESH' is 'Empty', 'GREY' is 'Full', 'BLACK' is 'Full', and 'LP' is 'Disc.'. Below these is a 'Water Pump' control with a circular arrow icon.
- Temperature and Climate:** A 'Tank Cmpt' section showing 'Rear' and 'Front' temperatures at 72°. Below this is an 'Exterior Temp' of 73° with a fan icon.
- Power and System Status:** A 'House' section showing '12.3V'. A 'Chassis' section shows '12.3V'. Two 'LINE' sections show 'LINE 1' and 'LINE 2' with '0.0Hz' and 'NO SHORE DISABLED' status.

- Home
- Electrical
- Lights
- Climate
- Slides
- Settings

Lyra Navigation Menu



Home

Buttons will turn Blue while a circuit is on and Grey once the circuit has been turned off. This color change is known as showing status.

1 Individual light toggle controls.

2 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. Note: Light Master On/Off buttons will always appear blue and will not show feedback at any time.

HOME

1

Living Room Kitchen OVHD Bed OVHD

2 ON Light Master OFF

Tank Cmpt 72° Rear 72° Front 72°

Exterior Temp: 73°

1:09AM

FRESH Empty GREY Full BLACK Full LP Disc.

Water Pump

Zone Temp with currently active climate mode graphic.

12.3V ---V ---A ---V ---A
0.0Hz 0.0Hz

Chassis AC Source NO SHORE
AGS DISABLED

12.3V Inverter
Charger

Exterior temperature display.

Water Tank Readings:

- Below 10% will read “Empty” and the tank level will show Empty.
- From 11% to 89%, the tank level and percentage will show as normal.
- 90% and above will read “FULL.” and the tank shows accurate level.

Individual tank graphics represent the percentage filled for holding tanks (Currently disconnected).

Blue lines under tanks - Possible Issue: On initial 12V system power up, the black and gray tanks read full with a blue line under them and the fresh tank reads empty with a blue line under it.

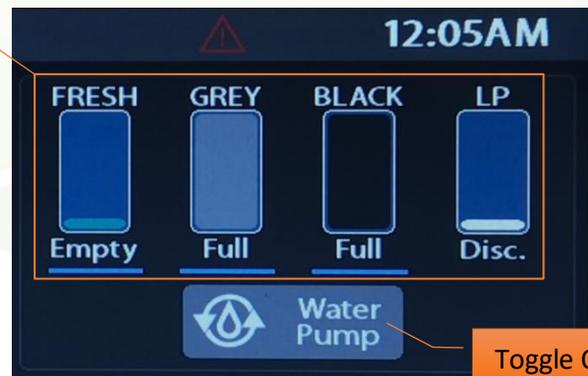
Possible cause: On initial power up, if there is no water in the tank, the system may have difficulty detecting the no water condition. As a result, it will display a blue line under the tank reading for the appropriate tank and indicate the following:

- Fresh Tank – Shown with a blue line under the tank reading and the tank graphic as being empty. Because the system is not detecting the empty fresh tank correctly, it does not have valid data to display. As a precaution, it will display the fresh tank graphic as empty as this is the least favorable condition for the tank.
- Gray Tank – Shown with a blue line under the tank reading and the tank graphic as being full. Because the system is not detecting the empty gray tank correctly, it does not have valid data to display. As a precaution, it will display the gray tank graphic as full as this is the least favorable condition for the tank.
- Black Tank – Shown with a blue line under the tank reading and the tank graphic as being full. Because the system is not detecting the empty black tank correctly, it does not have valid data to display. As a precaution, it will display the black tank graphic as full as this is the least favorable condition for the tank.

Solution: Add at least 3 inches of water to the tank to allow the sensor to properly initialize. Once there is water covering the sensor, it should start to report correct readings and display the tank levels correctly.

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 80%, will read “Full” and the tank level will show as normal.
- 80% and above will read “Disc.” and the tank level will be empty.



Toggle On/Off

A/C Power summary.

House	LINE 1	LINE 2
12.3V	120V 1.0A 60.0Hz	119V 0.0A 60.0Hz
Chassis	AC Source AGS Inverter Charger	NO SHORE DISABLED FLOAT

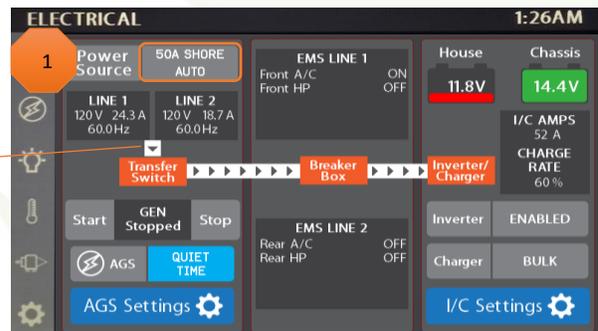
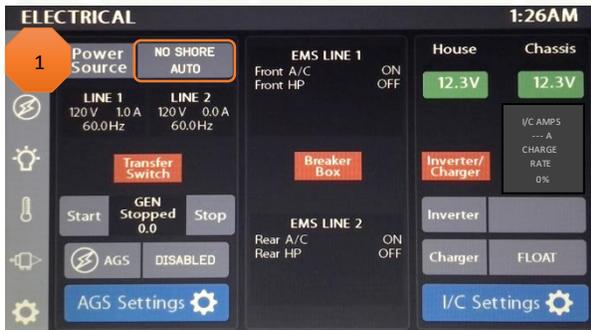
House/Chassis DC Voltage Display Graphics.
These graphics will turn red when the
voltage drops below 12v.



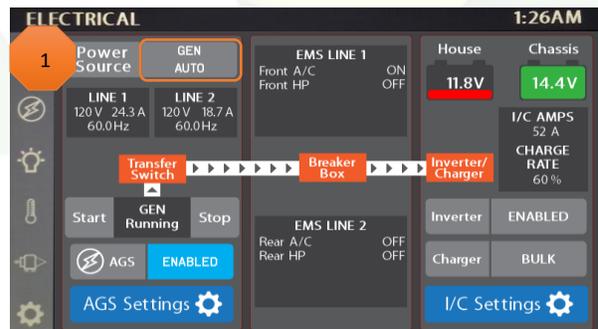
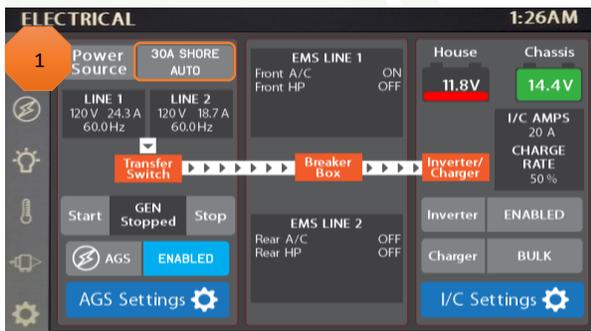
Electrical

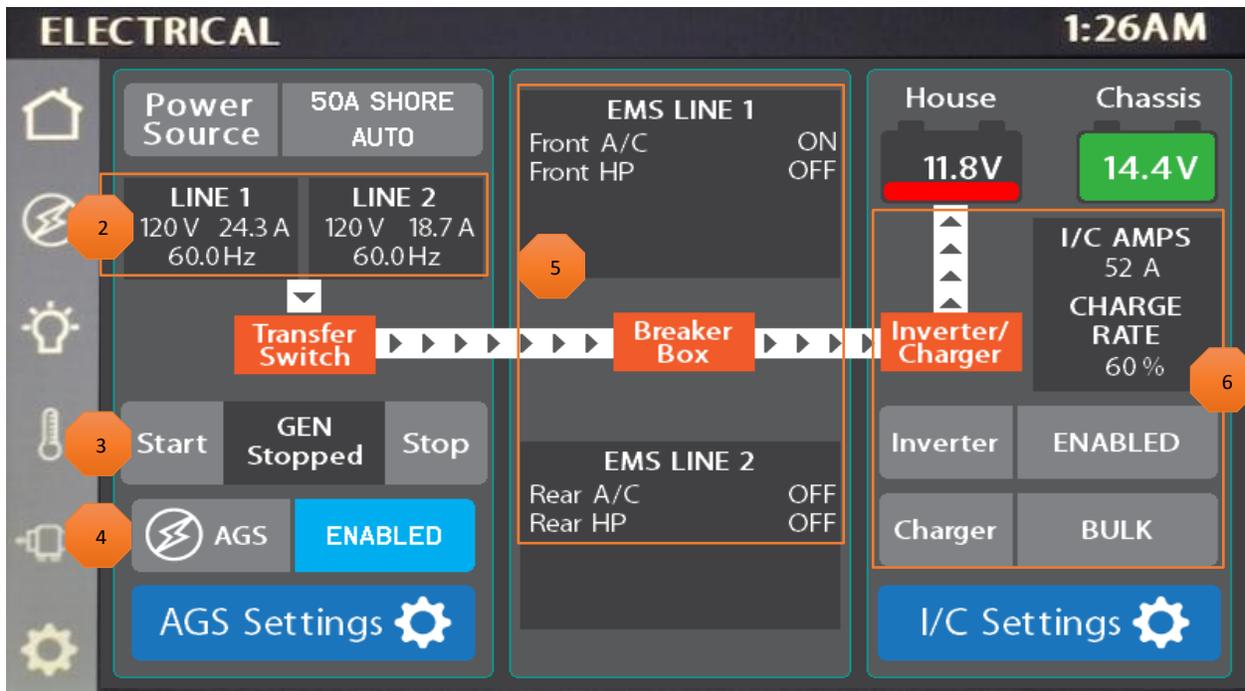
The following screenshots will show the screen status for each electrical source (No Shore, 50 amp, 30/20/15 amp, and Generator). A graphical line of arrows will show the flow of energy.

- 1 Power Source Select – 50-amp shore power will display automatically if connected to a 50-amp line. Tap to select 30, 20 or 15 amp if your coach is connected to a 30-amp line.



Energy flow.

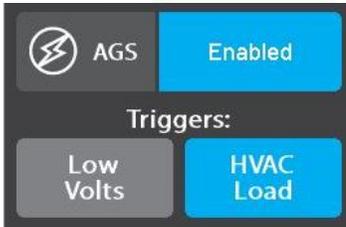




- 2 Shore Line Display – AC power displays the voltage, amperage draw and frequency for each line.
- 3 Generator – Creates electrical energy. Press and Hold Start to start the generator. Tap Stop to stop the generator. The generator display hours can be changed by Pressing and Holding the hours display for 5 seconds and entering your desired hours.
- 4 AGS – Auto Gen Start is a system that will start the generator automatically based on your customized trigger settings (See page 9). Press to Enable/Disable AGS. A warning page will appear requiring you to cycle the ignition in order to enable AGS. Only enable AGS if your coach is in a well-ventilated area.
- 5 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).
- 6 Inverter/Charger Status – This section contains the inverter controls and status information.



Electrical/AGS Settings



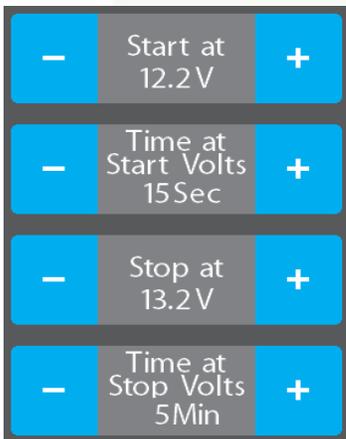
Tap to Enable/Disable AGS. A warning message will require action to Enable.

Trigger Options – Automatically start the generator using specified voltage settings (Low Volts) or when A/C or Heat 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 – 720min)

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



Electrical/Inverter/Charger Settings

Please contact your Manufacturer for their recommended Inverter/Charger settings.

–	Low Batt. Cutout 12.2V	+
–	VAC Dropout 84 VAC	+
–	Shore Brkr Size 30A	+
–	Max Charge Rate 100%	+
–	Battery Amp Hrs 600Ah	+

LBCO – Use the +/- buttons to set the DC voltage level that turns off the inverter. This protects the batteries from over-discharge damage.

VAC Dropout – Use the +/- buttons to set the minimum AC voltage that must be present before the inverter kicks off and switches the coach to back to AC power.

Shore Breaker Size – Use the +/- buttons to adjust to the required shore power amp breaker setting.

Max Charge Rate – Use the +/- buttons to adjust the charge rate.

Battery Amp Hours – Use the +/- buttons to adjust the amp hours for your battery bank. Please contact Customer Service for more information regarding batteries and battery settings.



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.



Tap Day Mode or Night Mode to toggle preset lighting schemes On.

LIGHTS **2:32 AM**

ON Light Master **OFF** Day Mode **1** Night Mode

Exterior

- Porch
- Awning
- Cargo
- D/S Security

Interior

- Front Ceiling
- Sofa O/H
- Dinette
- Living Ceiling
- Kitchen OVHD
- Accent Lights
- Hall
- Bed Ceiling
- Bed OVHD
- Bath Ceiling



Climate Control

The screenshot shows a climate control interface with two zones: 'Tank Compar' and 'Front'. The 'Tank Compar' zone has a current temperature of 51° and a desired temperature of 72°, with 'Heat' mode selected. The 'Front' zone has a current temperature of 71° and a desired temperature of 72°, with 'High' fan mode selected. Callouts include: 'Current zone temperature/mode.' pointing to the 71°/72° area; 'Use the Arrows to select your desired temperature by zone.' pointing to the temperature adjustment arrows; 'Heat is the only available climate mode for the Tank Compartment.' pointing to the Heat mode button; and '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.' pointing to the fan mode buttons. A vertical list of numbered callouts (1-4) points to the mode buttons: 1 (Cool), 2 (Heat), 3 (Furnace), and 4 (Auto).

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 – 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 – Tap to operate the Heat. The Heat 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 will automatically run to keep your desired temperature consistent.

Note- Some systems may use Aqua-Hot instead of a Furnace.



Slides & Awnings

The Extend buttons will be locked out until the parking brake has been applied.

- 1 Press and Hold EXT (currently locked out) or RET to operate the Slides and Awnings.
- 2 Press and Hold the arrows to operate the TV Lift.
- 3 Tap to navigate to the Leveling screen.

CAUTION!

Park Brake must be set and a power source of either shore, generator, or engine running is required to operate slides.

SLIDES & AWnings

1 [Lock Icon] Closet/Bunk Slide [RET] [Lock Icon]

2 [Up Arrow] TV Lift [Down Arrow]

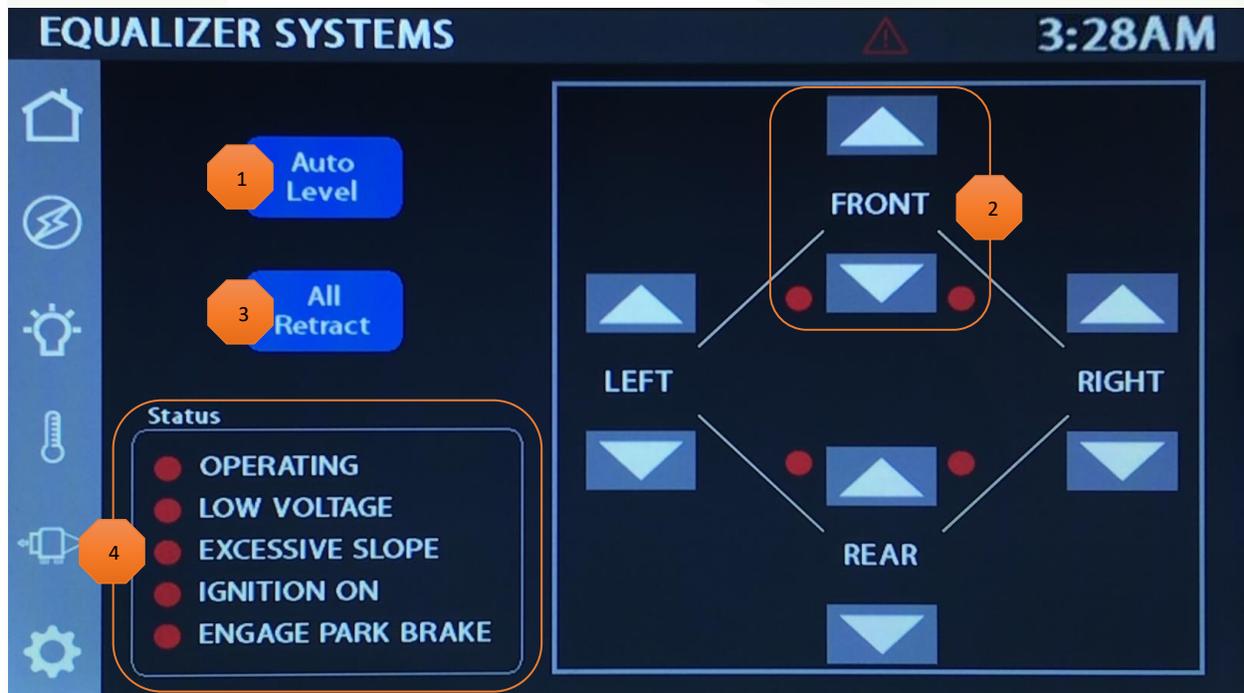
3 [Leveling Icon] Leveling

[Lock Icon] = Apply Park Brake to unlock



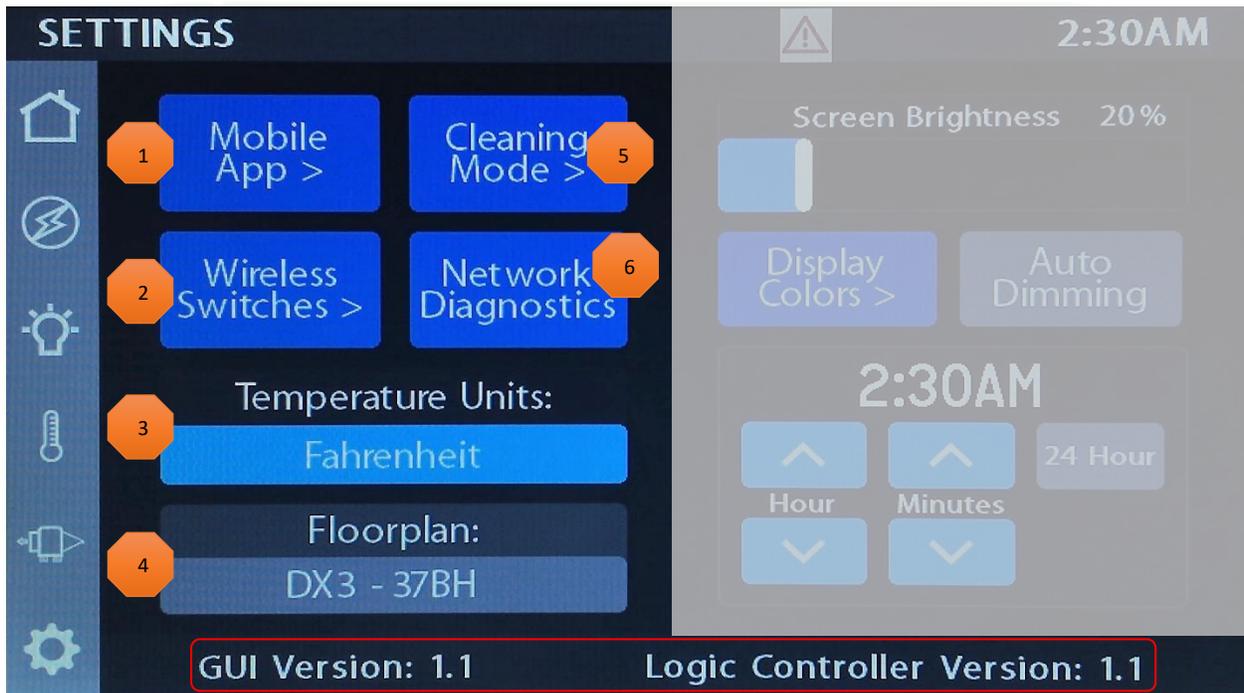
Slides & Awnings/Leveling

- 1 Auto Level– Tap to automatically level the coach. Tap Cancel (button status will change) to stop the operation. The corresponding red operational lights will illuminate to indicate which jacks have been extended and will stay illuminated until the jacks have been retracted.
- 2 Press and Hold the arrows to Raise/Lower the leveling jacks as needed. A single arrow will operate the jacks in pairs. For example, to Lower the Front of the coach, pressing and holding the Front Down arrow will lower the Front jacks equally. Lift your finger to stop their travel.
- 3 All Retract – Tap to fully retract all leveling jacks.
- 4 Status Indicators – Red lights will indicate the status of the Equalizer leveling system.



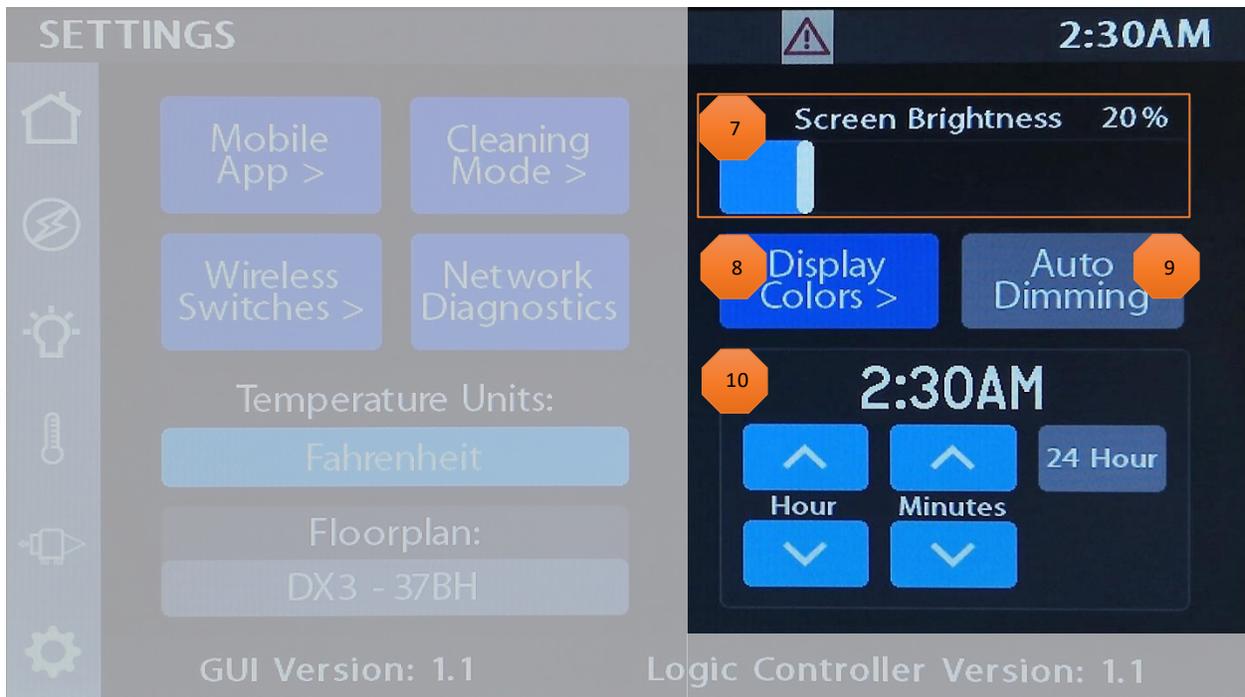


Settings



- 1 Tap to navigate to the Vegatouch Mira connection screen.
- 2 Tap to navigate to the Wireless Switches screen.
- 3 Tap to select between Fahrenheit and Celsius.
- 4 Floorplan display.
- 5 Tap to disable the touchscreen for 15 seconds for the purpose of cleaning.
- 6 Tap to navigate to the Network Diagnostics page.

Note the GUI and Logic Controller versions at the bottom of the screen. Please have these numbers available before calling technical support.



- 7 Drag the slider to select screen brightness.
- 8 Tap to visit the Display Colors page to customize the look of your touchscreen.
- 9 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.
- 10 Tap the buttons to set the time or select 24-hour time mode.



Settings/Mobile App

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.

MOBILE APP 1:26AM



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

Mira ID:
Mira: 1 8 0 4 2 7

Mira PIN:
7 7 7 7 7 7

[Reset PIN to Default](#)



Vegatouch Mira Setup

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.

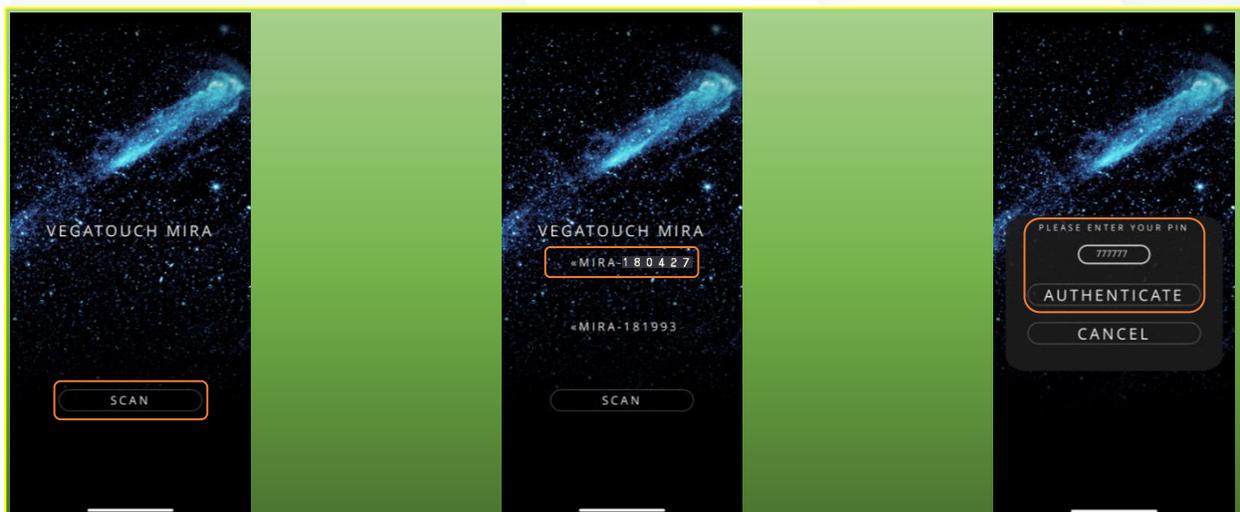


Download:

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

Setup:

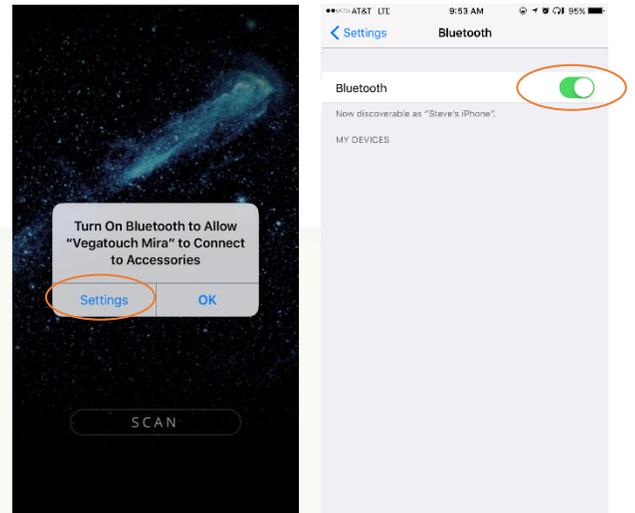
Tap SCAN to find the Mira Module's signal. After scanning, any Mira Module in your area will appear on the screen. Tap the ID # that matches the one on your Mira label. Enter the PIN number from the Mira label and press AUTHENTICATE to connect to the system.



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.



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".

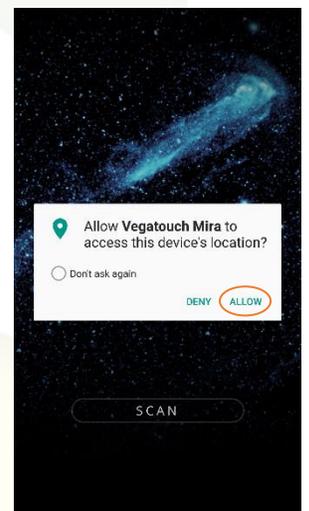
Notice: Android Setup Tips

Allow Vegatouch Mira to access this device's location.

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

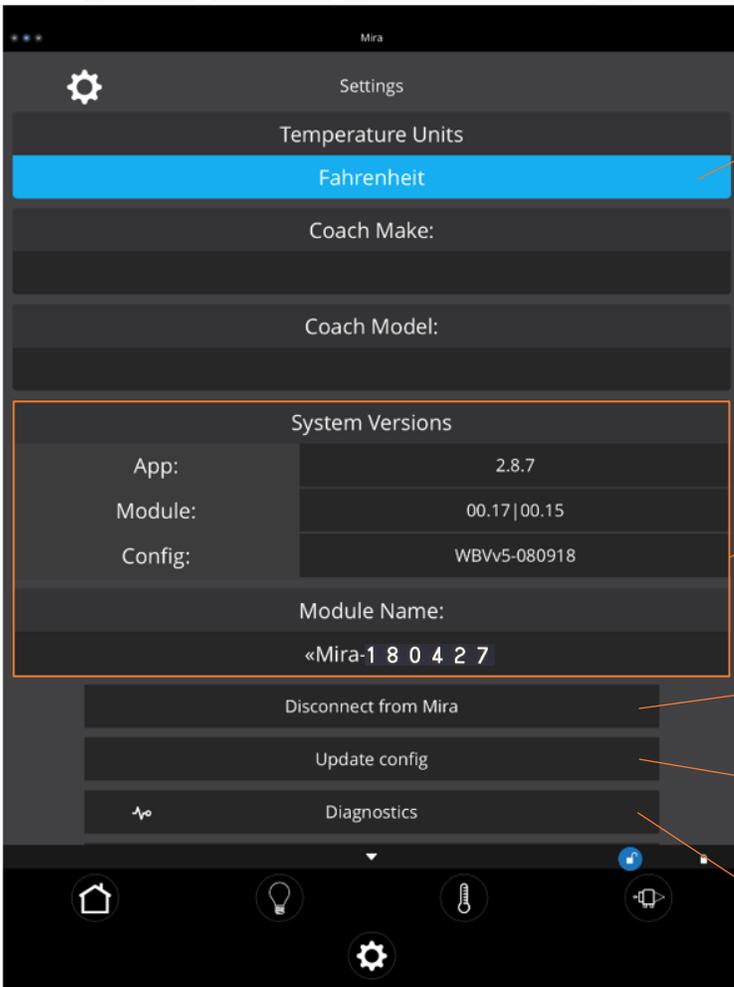
To enable Location Services on your Android device:

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.

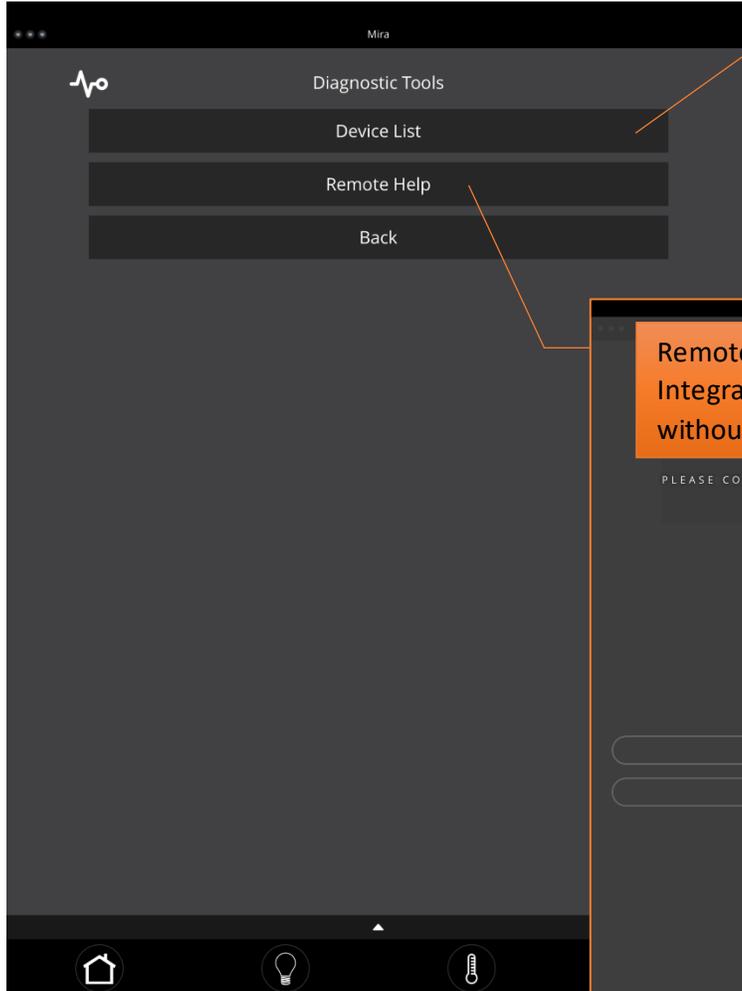
System Information and Mira Name.

Tap to disconnect your device from Mira.

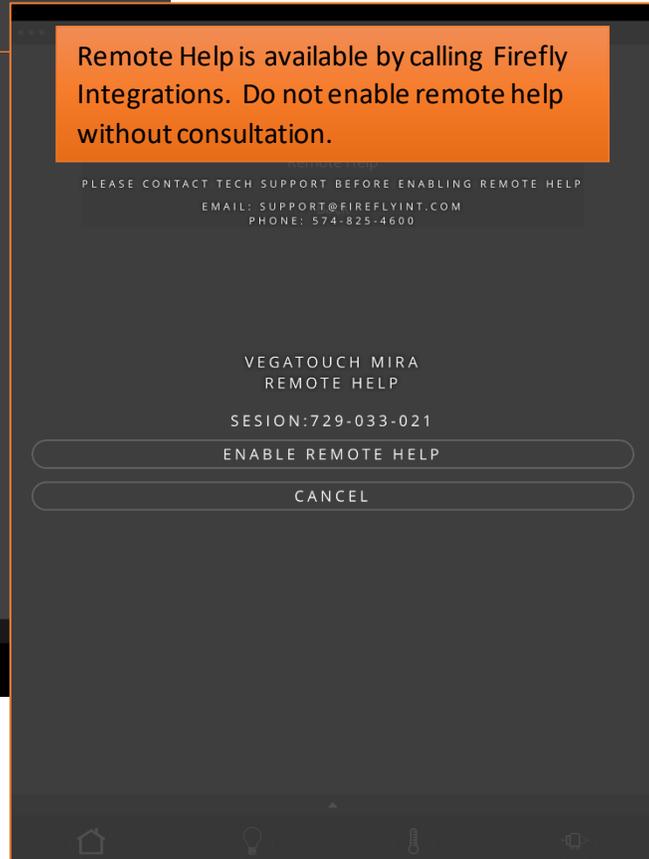
Tapping Update Config will force a download of the config from the cloud.

Tap to enter the Diagnostic Tools screen.

Diagnostic Tools:



Tap to display a list of currently connected devices.





Settings/Network Diagnostics

Firmware/Faults:

This screen will show the status of the Lyra screen and G12 panel, and list any faults the system is experiencing.

Tap the tabs at the bottom of the screen to view your desired diagnostics screen.

NETWORK DIAGNOSTICS 12:06AM

7IN COLOR LCD
Status ●
Firmware Version 1.6
Config Revision 1.1

G12
Status ●
Firmware Version 1.2
Config Revision 1.1

FAULTS
Aircon 1 is offline.
Aircon 2 is offline.
The Front thermistor has an invalid reading.
The Rear thermistor has an invalid reading.
The Tank Cmpt thermistor has an invalid reading.
The Exterior thermistor has an invalid reading.

Green = Online

Firmware / Faults G12 AirCons Aqua-Hot

G12:

This screen will display all currently active G12 inputs and outputs.

NETWORK DIAGNOSTICS 12:01AM

G12
Status ●
Firmware Version 1.2
Config Revision 1.1

G12 INPUTS
IN5 - Parking Brake
IN7 - Ignition

G12 OUTPUTS
01 - Furnace 2
02 - Tank Compt
03 - Closet/Bunk Slide EXT
04 - Closet/Bunk Slide RET
07 - TV Lift Up
08 - TV Lift Down
19 - Gen Start
20 - Gen Stop
21 - D/S Security Lt
23 - Kitchen OVHD Lt
24 - Accent Lts
25 - Front Ceiling Lt
26 - Living Ceiling Lt
27 - Sofa O/H Lt
28 - Bed Ceiling Lt
29 - Bath Ceiling Lt
30 - Porch Lt
31 - Cargo Lts
32 - Awning Lt
33 - Water Pump
34 - Bed OVHD
35 - Hall
36 - Dinette Lt
37 - Furnace
38 - Awning Extend
39 - Awning Retract
40 - D/S Slide Front EXT
41 - D/S Slide Retract

Active Output

Firmware / Faults G12 AirCons Aqua-Hot

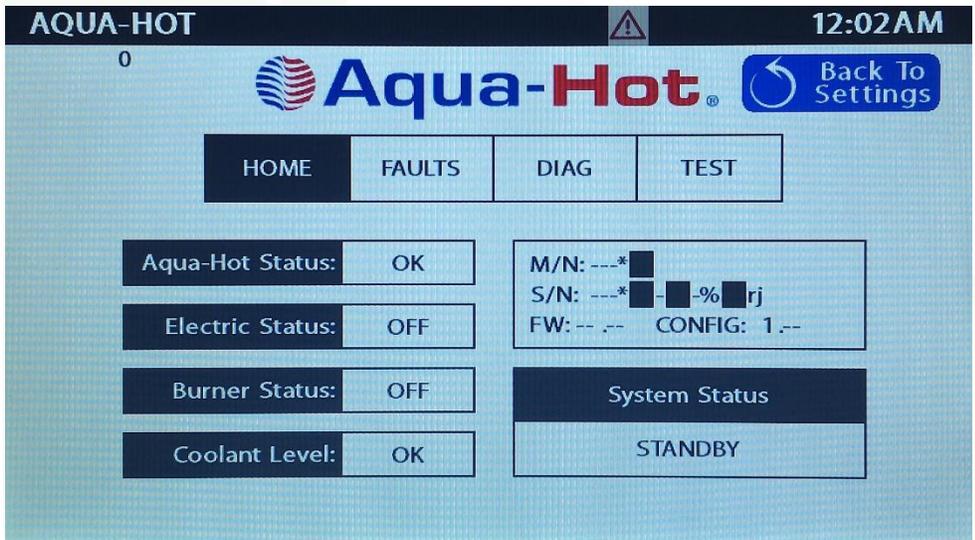
AirCons:

This screen will show status of the AirCon modules.



Aqua-Hot Diagnostics:

This screen will show the status of the Aqua-Hot system. Please contact Dynamax for troubleshooting assistance.





Settings/Switch Panel Info

The Wireless Graphic and color-coded 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)



Green (Strong)

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.

WIRELESS SWITCHES 12:37AM

2. Front Bunk Strength: 151	3. Driver Strength: 0	4. D/S Slide Strength: 0	5. Bath Strength: 0
8. Bed Front Strength: 0	9. Bay Strength: 0	12. Bunk Strength: 0	

The floor plan diagram shows numbered locations: 2 (Front Bunk, green), 3 (Driver, red), 4 (D/S Slide, red), 5 (Bath, red), 8 (Bed Front, red), 9 (Bay, red), and 12 (Bunk, red). A blue question mark icon is in the bottom right corner.



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 wireless 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.

If at this point a switch still fails to work, touch and hold the floorplan graphic for five seconds to go to the Clear Wireless Switch Pairing screen (not pictured). This Page allows for the pairing to be cleared for ALL wireless switches on in the system. Once cleared, each wireless switch panel will need to be paired again.

WIRELESS SWITCHES 12:37AM

2. Front Bunk Strength: 151	3. Driver Strength: 0	4. D/S Slide Strength: 0
8. Bed Front Strength: 0	9. Bay Strength: 0	12. Bunk Strength: 0

WIRELESS SWITCH PANEL PAIRING PROCEDURE
PAIRED WIRELESS ID:
FFD8070B
TO PAIR THE WIRELESS SWITCH PANEL INDICATED AT THE TOP OF THIS PAGE TO THE SCREEN, PRESS THE START PAIRING BUTTON AND INSTRUCTIONS WILL FOLLOW. TO KEEP CURRENT PAIRING, PRESS THE CANCEL BUTTON. TO CLEAR THE PAIRING, HOLD THE CLEAR BUTTON FOR 3 SECONDS.

WIRELESS SWITCH PANEL PAIRING PROCEDURE
PAIRING ACTIVE FOR:
19 SECONDS
TO PAIR A WIRELESS SWITCH PANEL TO THE SCREEN INDICATED ABOVE, PRESS AND HOLD ANY TWO BUTTONS ON THE WIRELESS PANEL FOR 5 SECONDS.

WIRELESS SWITCH PANEL PAIRING SUCCESSFUL
PAIRED WIRELESS ID:
0FD8070B

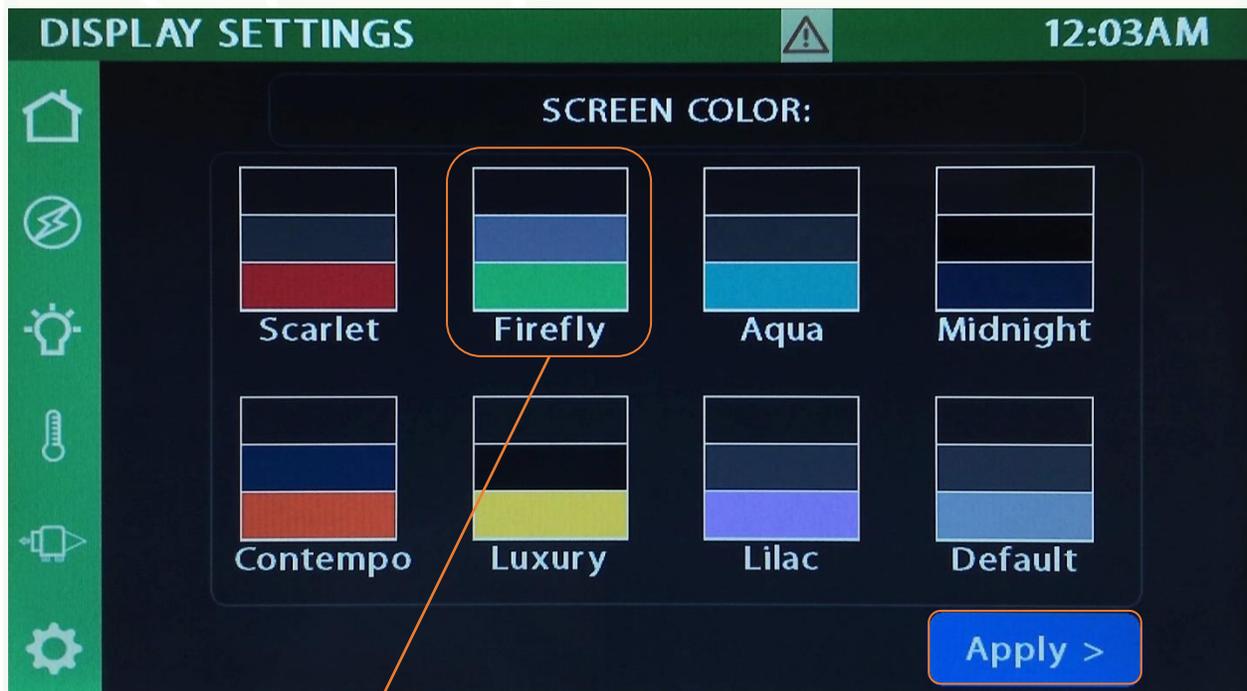
START PAIRING

DONE



Settings/Display Colors

Tap from the selections below to select a preset color scheme for your touchscreen. Once selected, tap Apply to save and exit.



Currently selected option.

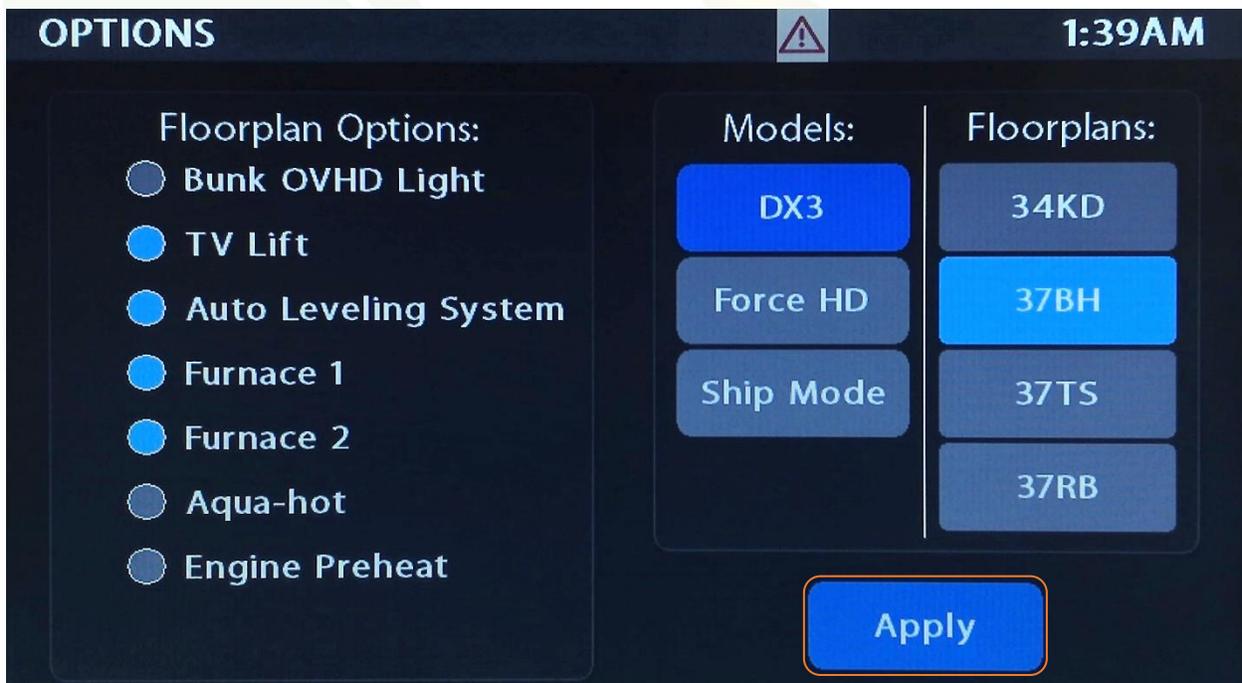


Settings/Options

From the Settings page, press and hold the Floorplan display for 5 seconds. Once you lift your finger, the Options page will appear.



Tap to select the required Model, Floorplan and Options for your specific vehicle. Tap Apply to save and exit.



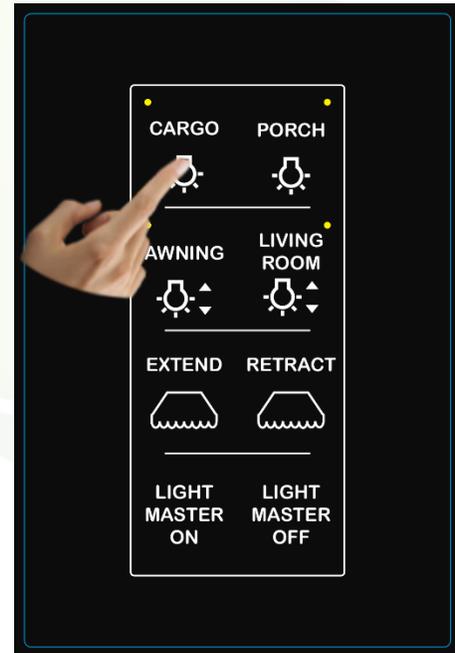


SSP17 Switch Panels

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.

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.



Slide the battery up to remove.



G12 DC Panel

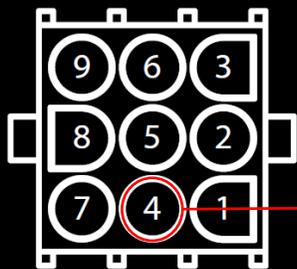
Your G12 control panel is the power distribution center for the coach. This panel receives the signals sent from your touchscreen/switch panels and performs the actions that have been requested by activating and deactivating the required circuits.

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. Note: The G12 will not have individual illuminated NET LED's for each channel. For instance, if you press the Accent Lights button on your touchscreen, there will be no illuminated GREEN LED to show that it is currently operational. Check the Network Diagnostics Page to see if the output shows status. If it does, you will want to check output voltage on that pin if the lights don't come on (Fig 1).



Figure 1

Test **Positive** Output Channels as shown:



J3: HC OUTPUTS 12A; LC 6A

- Pin 1 (Out 21): D/S Security Light (6A)
- Pin 2 (Out 22): Bunk OVHD
- Pin 3 (Out 23): Kitchen OVHD
- Pin 4 (Out 24): Accent Lights**
- Pin 5 (Out 25): Front Ceiling (6A)
- Pin 6 (Out 26): Living Ceiling (6A)
- Pin 7 (Out 27): Sofa O/H (6A)
- Pin 8 (Out 28): Bed Ceiling (6A)
- Pin 9 (Out 29): Bath Ceiling



Networking

Your distribution panel and touchscreen connect 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



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: 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 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

G12 Master

Log In:

Customer: DYNAMAX **Model:** DX3/FORCEHD **Revision:** 1V5
Raw Part: 7000701 G12 w/TruTank **Custom Part:** ????

Outputs: 1-44 **Date:** 03/31/20 AG **Program Version:**

J4: HIGH CURRENT OUTPUTS 12A; LOW CURRENT 6A

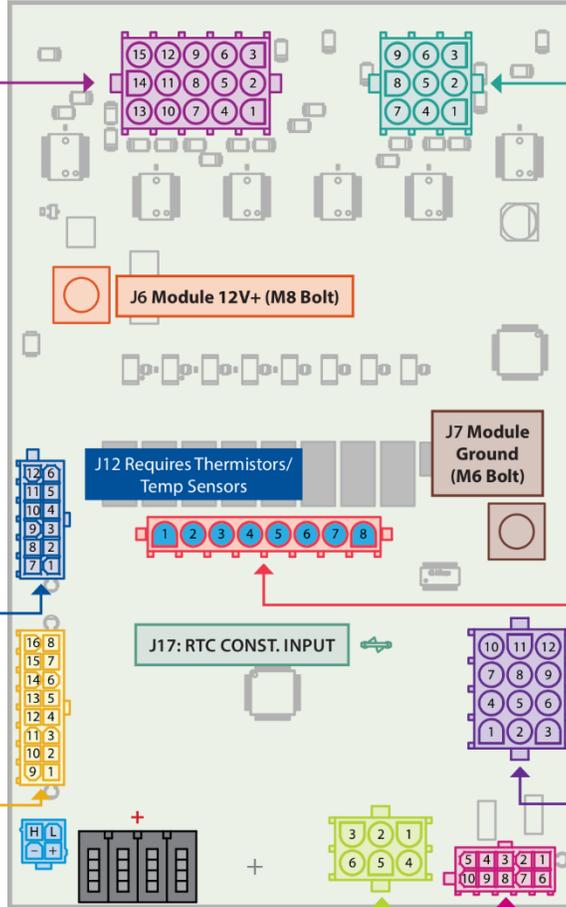
Pin	Out	Load	AMP	O/C
1	30	PORCH LIGHT	4A	.27s
2	31	CARGO LIGHTS	4A	.27s
3	32	AWNING LIGHT (DIM)	6A	.27s
4	33	WATERPUMP	12A	2.1s
5	34	BED OVHD (DIM)	4A	.27s
6	35	HALL (DIM)	4A	.27s
7	36	DINETTE LIGHT	4A	.27s
8	37	FURNACE 1 (OPTION)	6A	.27s
9	38	AWNING EXTEND (MOMENTARY)	4A	.27s
10	39	AWNING RETRACT (MOMENTARY)	4A	.27s
11	40	D/S FRONT SLIDE EXTEND (OPTION)	4A	.27s
12	41	D/S FRONT SLIDE RETRACT (OPTIC)	4A	.27s
13	42	P/S FRONT SLIDE EXTEND (OPTION)	4A	.27s
14	43	P/S FRONT SLIDE RETRACT (OPTIO)	4A	.27s
15	44	TOILET BATH LIGHT (OPTION)	4A	.27s

J12: THERMISTORS

Pin	Load
1	FRONT THERMISTOR
2	REAR THERMISTOR
3	TANK COMPARTMENT THERMISTOR
4	EXTERIOR THERMISTOR
5	
6	
7	FRONT THERMISTOR (GND)
8	REAR THERMISTOR (GND)
9	TANK COMPARTMENT THERMISTOR (GND)
10	EXTERIOR THERMISTOR (GND)
11	
12	

J11: TANKS

Pin	Load
1	FRESH TRUTANK
2	GREY TRUTANK
3	BLACK COMP 1 TRUTANK
4	BLACK COMP 2 TRUTANK
5	
6	
7	
8	
9	FRESH TRUTANK (GND)
10	GREY TRUTANK (GND)
11	BLACK COMP 1 TRUTANK (GND)
12	BLACK COMP 2 TRUTANK (GND)
13	
14	
15	
16	



J13: LPG

Pin	Load
1	LP GAS (SIG)
2	
3	CHASSIS (12V)
4	LP GAS (GND)
5	
6	GBN RUN (12V)

J3: HIGH CURRENT OUTPUTS 12A; LOW CURRENT 6A

Pin	Out	Load	AMP	O/C
1	21	D/S SECURITY LIGHT	6A	.27s
2	22	BUNK OVHD (DIM) (OPTION)	4A	.27s
3	23	KITCHEN OVHD (DIM)	4A	.27s
4	24	ACCENT LIGHTS (DIM)	4A	.27s
5	25	FRONT CEILING (DIM)	6A	.27s
6	26	LIVING CEILING (DIM)	6A	.27s
7	27	SOFA O/H (DIM)	6A	.27s
8	28	BED CEILING (DIM)	6A	.27s
9	29	BATH CEILING (DIM)	4A	.27s

J8: HIGH CURRENT RELAYS (20A MAX)

Pin	Out	Load	AMP	O/C
1	1	FURNACE 2 (OPTION)	10A	.26s
2	2	TANK COMPARTMENT	10A	.26s
3	3	CLOSET/BUNK SLIDE (RP) EXTEND	20A	1.0s
4	4	CLOSET/BUNK SLIDE (RP) RETRACT	20A	1.0s
5	5	BED SLIDE (RP) EXTEND (OPTION)	20A	1.0s
6	6	BED SLIDE (RP) RETRACT (OPTION)	20A	1.0s
7	7	TV LIFT UP (RP) (OPTION)	15A	.26s
8	8	TV LIFT DOWN (RP) (OPTION)	15A	.26s

J10: HALF BRIDGES 1A (PROGRAMMABLE POLARITY)

Pin	Out	Load	+/-
1	9		+
2	10		+
3	11		+
4	12		+
5	13		+
6	14		+
7	15		+
8	16		+
9	17		+
10	18		+
11	19	GEN START (30 SECOND PULSE)	-
12	20	GEN STOP (30 SECOND PULSE)	-

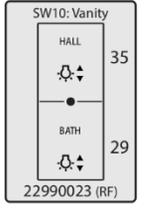
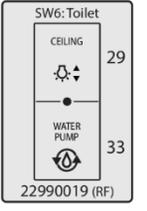
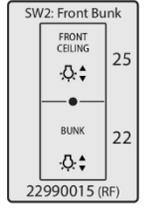
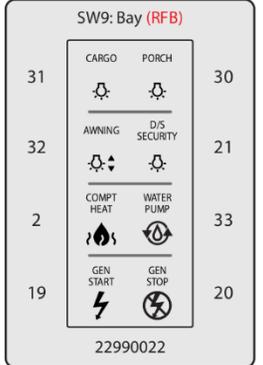
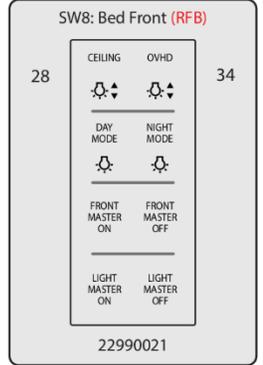
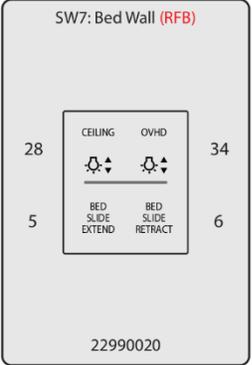
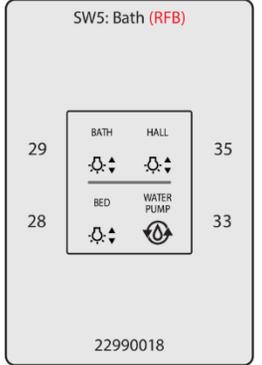
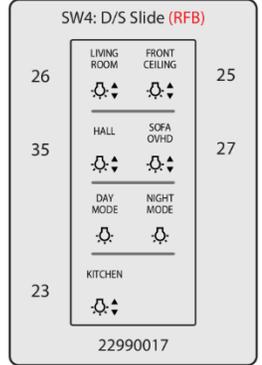
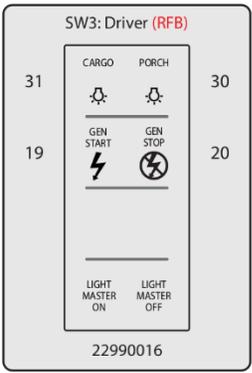
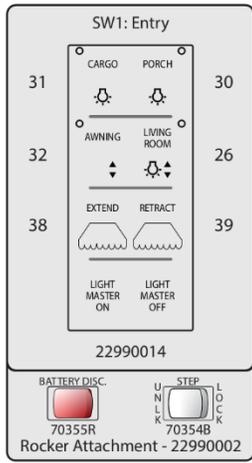
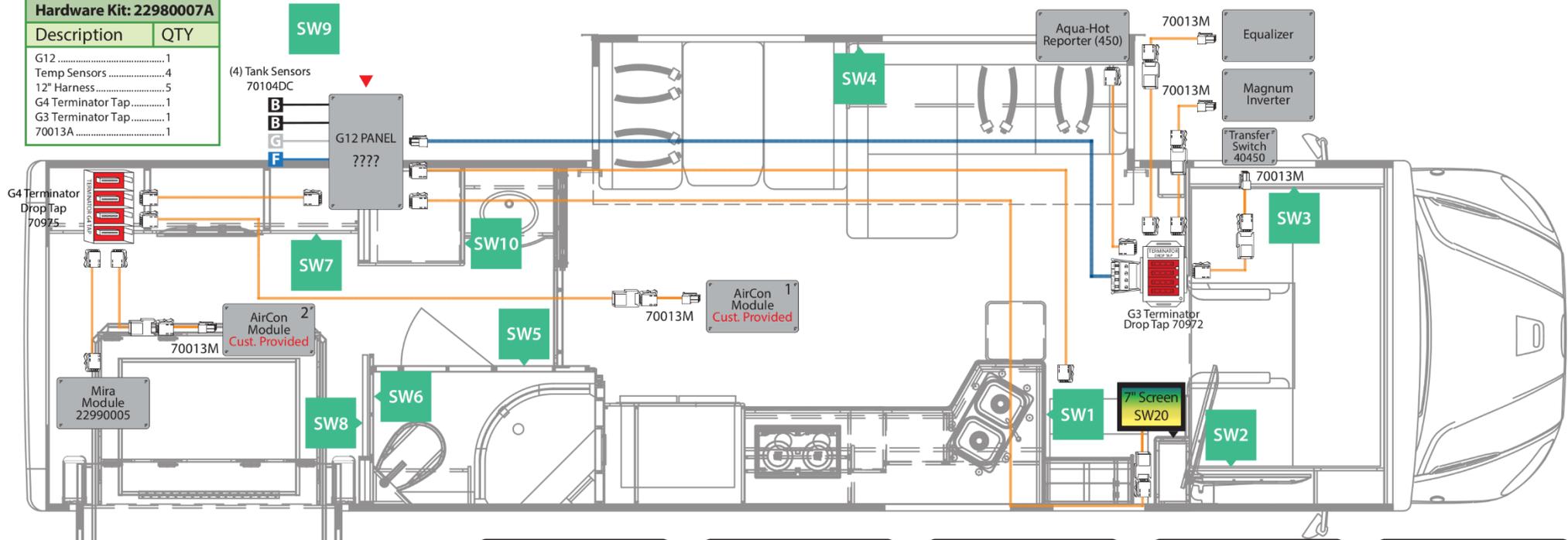
J5: INPUTS

Pin	Load	+/-
1		-
2		-
3		-
4		-
5	PARKING BRAKE	-
6		+
7	IGNITION	+
8		+
9		+
10		+

Add Placeholders

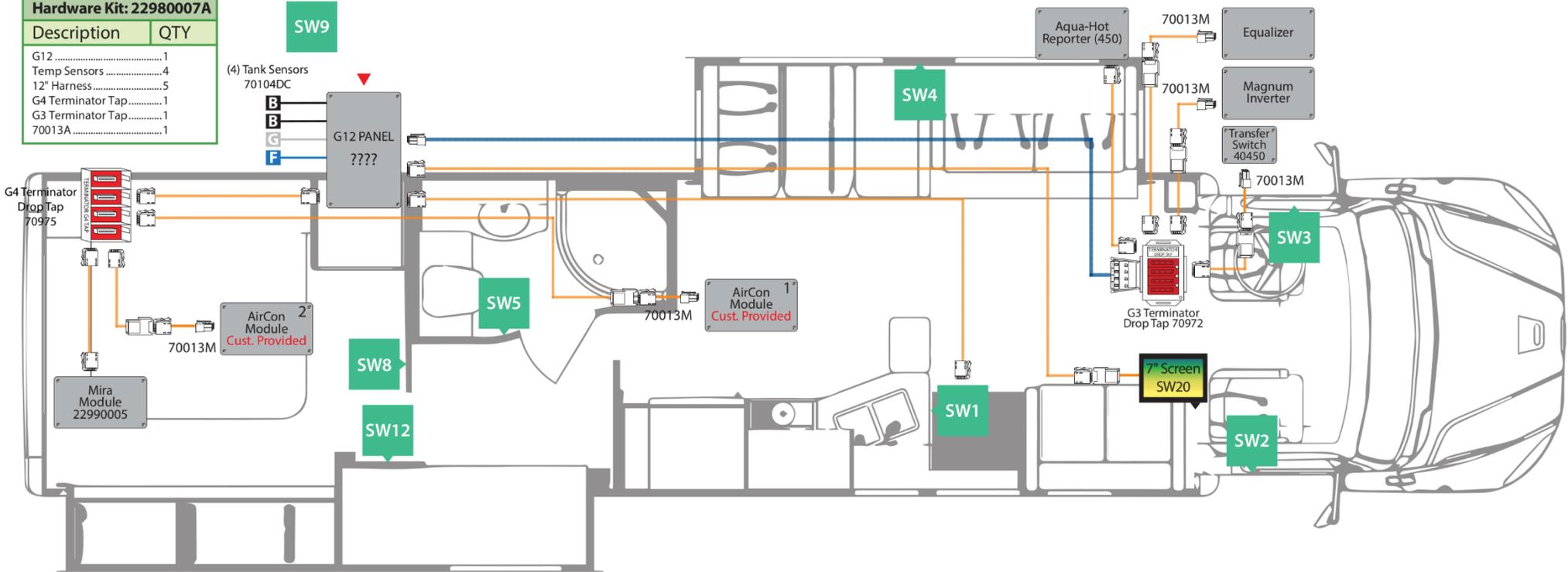
Pin Legend: ■ Reverse Polarity
 G12 Master 1v4 Updated 01/24/2020

Hardware Kit: 22980007A	
Description	QTY
G12	1
Temp Sensors	4
12" Harness	5
G4 Terminator Tap	1
G3 Terminator Tap	1
70013A	1



Dynamax DX3: 34KD		Kit: 22980006A		DI: AG	Network Legend	Drop Cable Connections
Network Wiring Diagram and Switch Panel Layout				PI:		
SSP-17 RFB/RVC, Lyra		NWD REV 1v8	07/06/20		Trunk Cable ———	
					Drop Cable ———	
					Switch Position ■ ■	

Hardware Kit: 2298007A	
Description	QTY
G12	1
Temp Sensors	4
12" Harness	5
G4 Terminator Tap	1
G3 Terminator Tap	1
70013A	1



SW1: Entry

31	CARGO	PORCH	30
	☀️	☀️	
32	AWNING	LIVING ROOM	26
	⬆️	☀️	
38	EXTEND	RETRACT	39
	🔼	🔽	
	LIGHT MASTER ON	LIGHT MASTER OFF	

22990014

BATTERY DISC. 70355R
STEP LOCK 70354B

Rocker Attachment - 22990002

SW2: Front Bunk

25	FRONT CEILING	
	☀️	
22	BUNK	
	☀️	

22990015 (RF)

SW3: Driver (RFB)

31	CARGO	PORCH	30
	☀️	☀️	
19	GEN START	GEN STOP	20
	⚡	🚫	
	LIGHT MASTER ON	LIGHT MASTER OFF	

22990016

SW4: D/S Slide (RFB)

26	LIVING ROOM	FRONT CEILING	25
	☀️	☀️	
35	HALL	SOFA OVHD	27
	☀️	☀️	
	DRY MODE	NIGHT MODE	
	☀️	☀️	
23	KITCHEN		
	☀️		

22990017

SW5: Bath (RFB)

29	BATH	HALL	35
	☀️	☀️	
28	BED	WATER PUMP	33
	☀️	🔄	

22990018

SW8: Bed Front (RFB)

28	CEILING	OVHD	34
	☀️	☀️	
	DAY MODE	NIGHT MODE	
	☀️	☀️	
	FRONT MASTER ON	FRONT MASTER OFF	
	☀️	☀️	
	LIGHT MASTER ON	LIGHT MASTER OFF	

22990021

SW9: Bay (RFB)

31	CARGO	PORCH	30
	☀️	☀️	
32	AWNING	D/S SECURITY	21
	☀️	☀️	
2	COMPT HEAT	WATER PUMP	33
	🔥	🔄	
19	GEN START	GEN STOP	20
	⚡	🚫	

22990022

SW12: Bunk (RFB)

22	BUNK	HALL	35
	☀️	☀️	
	BATH	AISLE	
29	☀️	☀️	24

22990026

SW20: 7" Lyra

Lights
Awning
Slides
HVAC
Tanks
AGS
Ext. Temp
Equalizer Leveling

22990024

Dynamax DX3: 37BH Kit: 22980014A

Network Wiring Diagram and Switch Panel Layout

SSP-17 RFB/RVC, Lyra

NWD REV 1v7 07/06/20

DI: AG
PI:

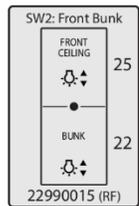
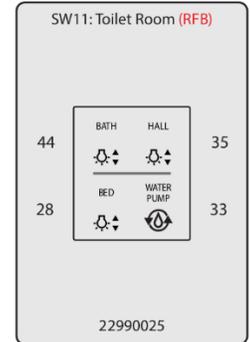
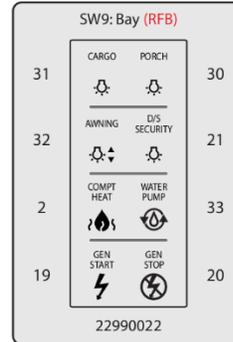
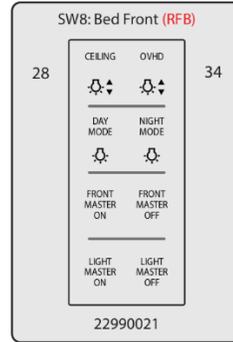
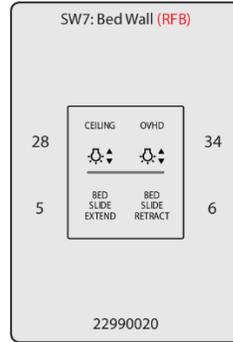
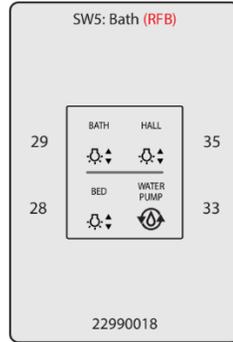
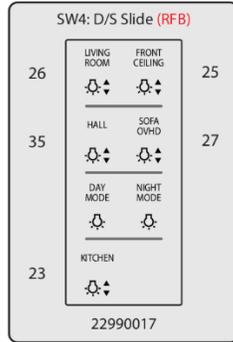
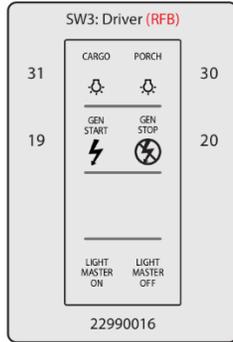
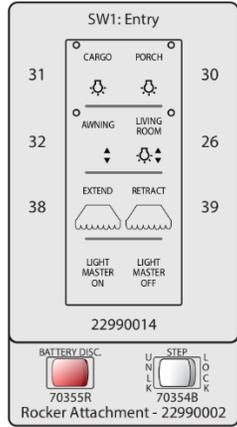
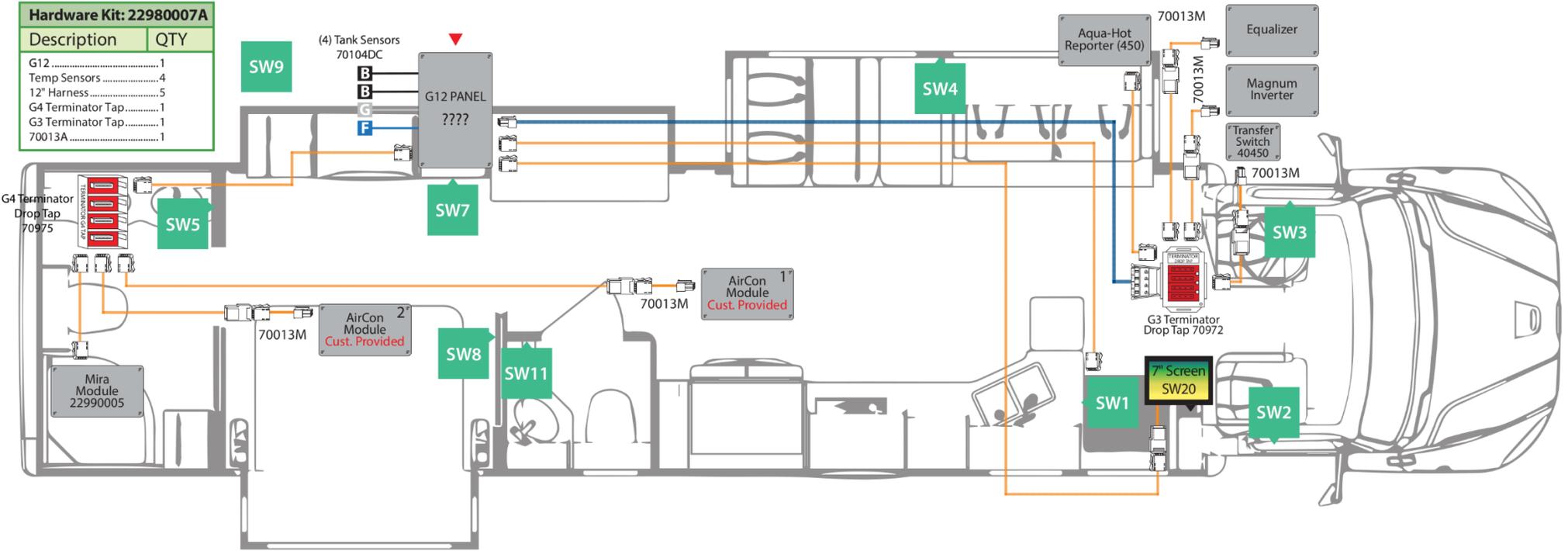
Network Legend

Trunk Cable ———
Drop Cable ———
Switch Position ■ ■ ■

Drop Cable Connections

Black Red
Blue White

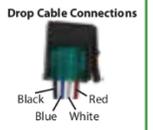
Hardware Kit: 2298007A	
Description	QTY
G12	1
Temp Sensors	4
12" Harness	5
G4 Terminator Tap	1
G3 Terminator Tap	1
70013A	1



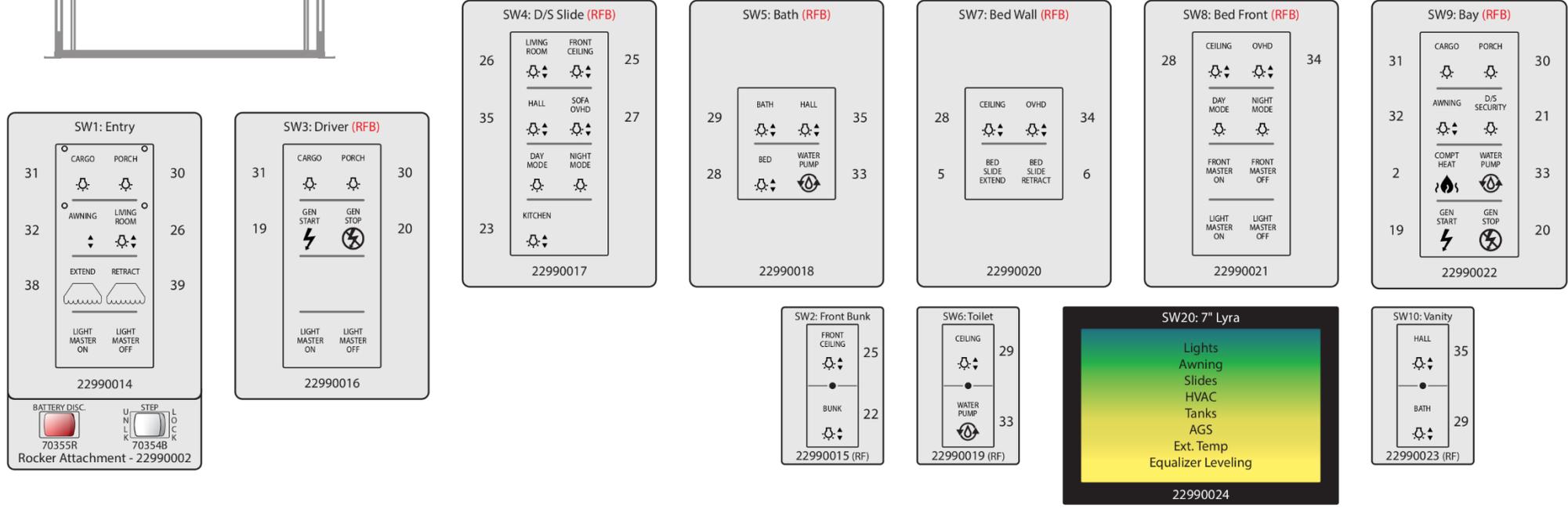
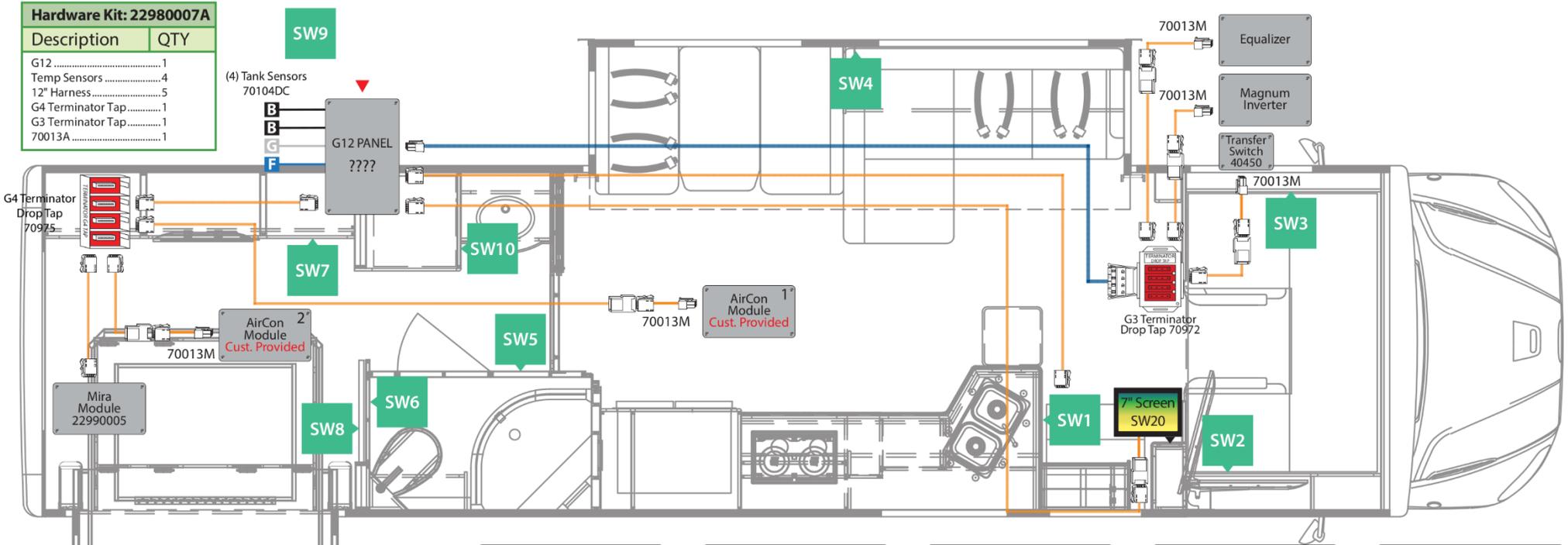
Dynamax DX3: 37RB Kit: 22980012A		
Network Wiring Diagram and Switch Panel Layout		
SSP-17 RFB/RVC, Lyra	NWD REV 1v7	07/06/20

DI: AG
PI:

Network Legend	
Trunk Cable	
Drop Cable	
Switch Position	



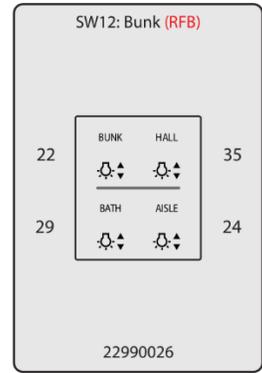
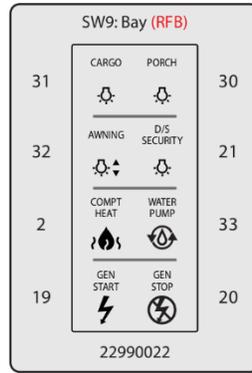
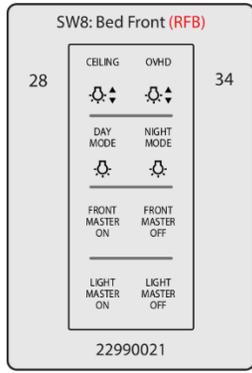
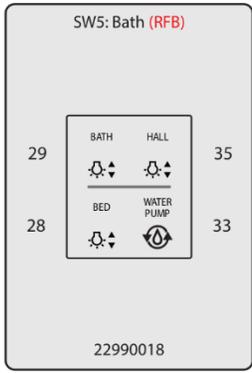
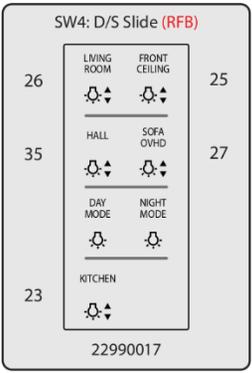
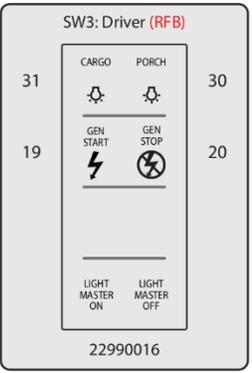
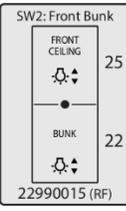
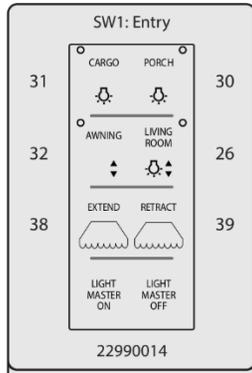
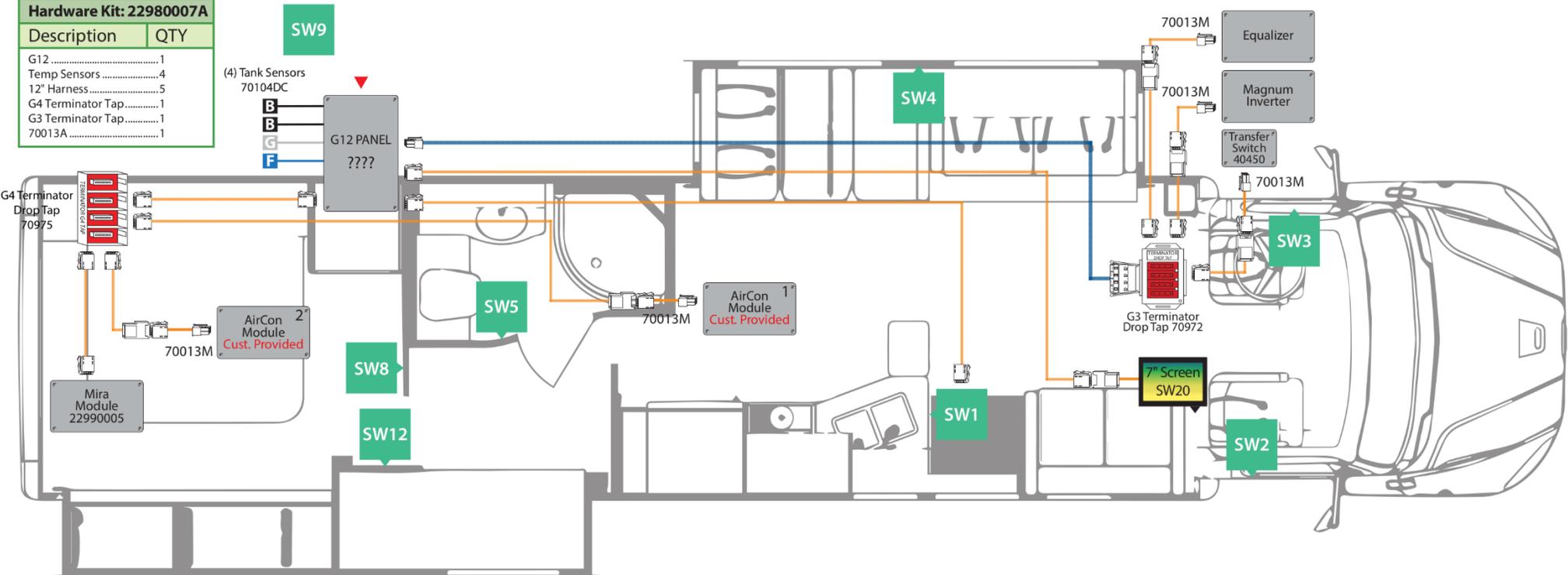
Hardware Kit: 2298007A	
Description	QTY
G12	1
Temp Sensors	4
12" Harness	5
G4 Terminator Tap	1
G3 Terminator Tap	1
70013A	1



Dynamax Force: 34KD		Kit: 22980010A		DI: MD	Network Legend	Drop Cable Connections
Network Wiring Diagram and Switch Panel Layout				PI:		
SSP-17 RFB/RVC, Lyra		NWD REV 1v6	06/05/20		Drop Cable ———	
					Switch Position	

Hardware Kit: 2298007A

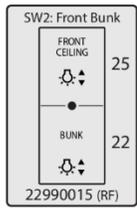
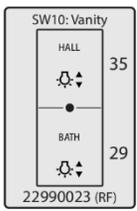
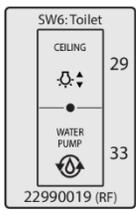
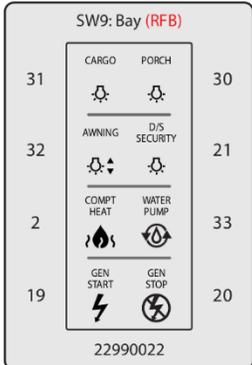
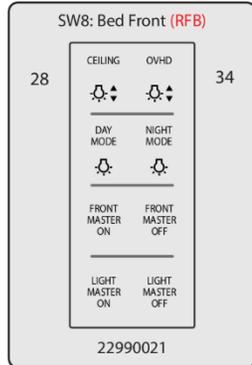
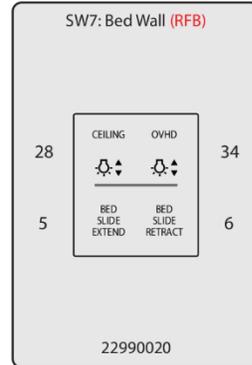
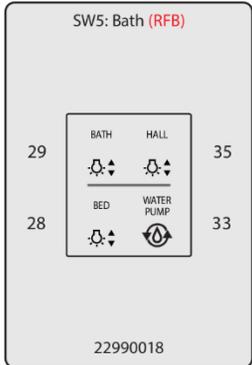
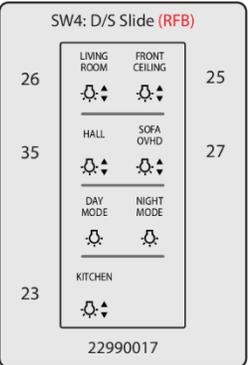
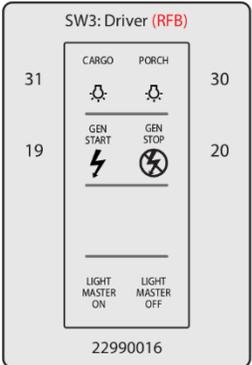
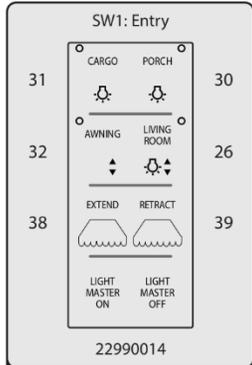
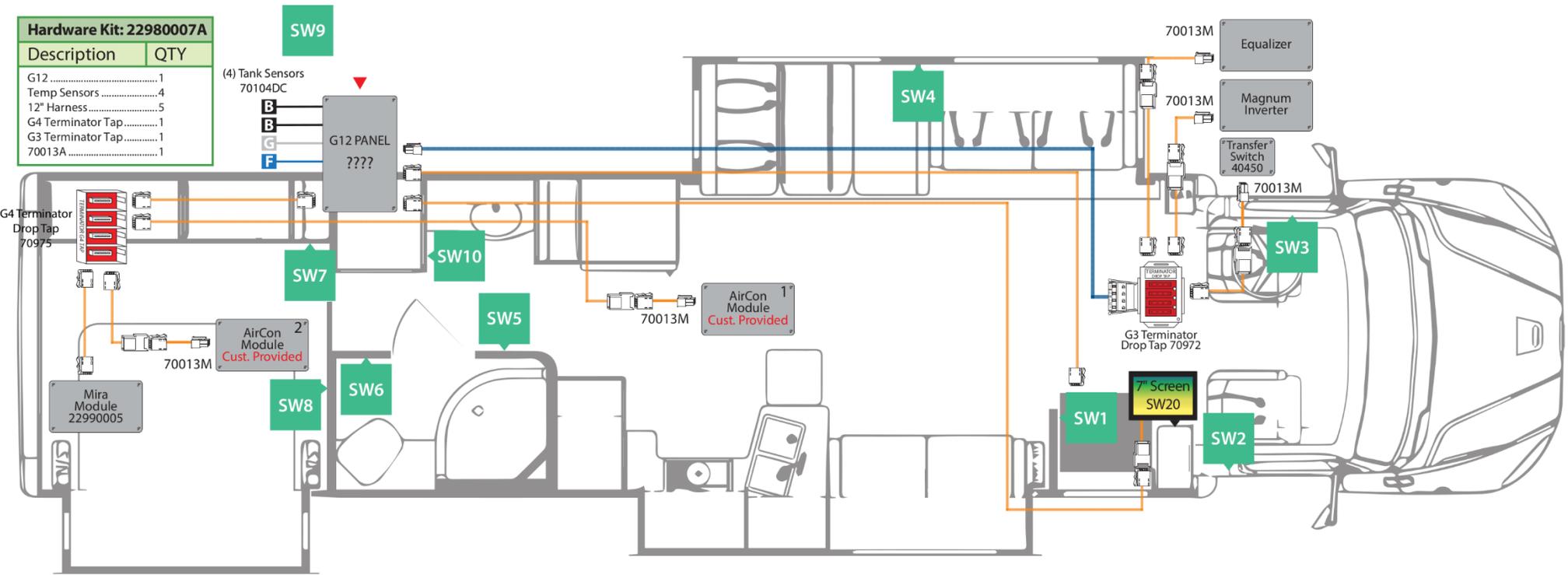
Description	QTY
G12	1
Temp Sensors	4
12' Harness	5
G4 Terminator Tap	1
G3 Terminator Tap	1
70013A	1



Dynamax Force: 37BH		Kit: 22980016A		DI: MD	Network Legend	
Network Wiring Diagram and Switch Panel Layout				PI:		
SSP-17 RFB/RVC, Lyra		NWD REV 1v6	06/05/20		Trunk Cable ————— Drop Cable ————— Switch Position — [] []	

Hardware Kit: 2298007A

Description	QTY
G12	1
Temp Sensors	4
12" Harness	5
G4 Terminator Tap	1
G3 Terminator Tap	1
70013A	1



Dynamax Force: 37TS		Kit: 22980010A		DI: MD	Network Legend	Drop Cable Connections
Network Wiring Diagram and Switch Panel Layout				PI:		
SSP-17 RFB/RVC, Lyra		NWD REV 1v7 06/05/20		Trunk Cable (Blue line) Drop Cable (Orange line) Switch Position (Green square)		