



OWNER'S MANUAL

JAYCOMMAND

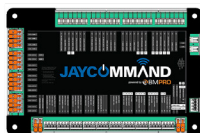
powered by  BM PRO

JAYCOMMAND

powered by  BM PRO



CONTROLLER



NODE



APP



SWITCH

SYSTEM COMPONENTS



BM PRO

POWERING YOUR ADVENTURES

With over 50 years' experience in power solutions combined with manufacturing and design facilities in Melbourne, Australia, BM PRO are the leading experts in RV power and control management.

Inspired by the great outdoors, we have created a range of rugged, smart and reliable products to power your adventures.

Our range of battery, power and RV management control systems gives you peace of mind when you are on the road, so that you can relax in even the most far flung destinations, knowing you have control over your power needs.

To learn more about the BM PRO range of products, please visit our website **teambmpro.com**



SAFETY PRECAUTIONS

Please read the Safety Precautions before installing or using the Jaycommand. Be sure to observe all precautions without fail. Failure to observe these instructions properly may result in personal damage, or personal injury which depending on the circumstances may be serious and cause loss of life.



WARNING



Correct installation is the most critical factor in ensuring the safe use of the JAYCOMMAND. If every consideration of these instructions has been satisfied, the JAYCOMMAND will be safe to operate.



Do not drop or vigorously shake the product as this may cause damage. Do not shock the product or its accessories as this may cause the product to fail, catch fire or explode.



Stay away from magnetic equipment. Radiation may erase the information stored on this product, causing it to become inoperative.



Electricity and water do not mix. Keep this product and your battery dry and do not expose it to water or water vapor. Do not operate this product or battery near any sort of liquid. Do not operate this product with wet hands.



Do not use this product in environments that are excessively hot, cold, dusty or humid or where it will be exposed to magnetic fields or long periods of sunshine. Such exposure may cause the product or your battery to fail, catch fire or explode.



Clean the housing of this product lightly with a dry or moist cotton cloth. Do not use alcohol, thinners, benzene or any other chemical cleaner.



The JAYCOMMAND is a high precision electronic product. It contains no user-serviceable parts inside. Do not try to dismantle, modify or repair it yourself. Disassembly, service or repair by an unauthorized person will void the warranty.



Before using this product, check that cable connections to the battery are of correct polarity. To protect against accidental short circuit, ensure that the shrouding supplied with the batteries are always fitted to the battery terminals.



Do not install this product in the same compartment where flammable materials, such as petrol is stored.



Product specifications are subject to change and improve without notice.

INFORMATION FOR THE USER

This device complies with Part 15 of the FCC Rules, and Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including what may have caused undesired operation.



WARNING

Any changes or modification are not Approved by BMPRO and will void compliance of the product and the user's authority to operate this equipment.

Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



AVERTISSEMENT

Tout changement ou modification non expressément approuvé par BMPRO pourrait annuler la conformité du produit et le pouvoir de l'utilisateur d'utiliser cet équipement.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency and energy. If not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

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ABOUT THE JAYCOMMAND

The JAYCOMMAND brings smart home technology to your RV, taking control and management of your RV features to new horizons!

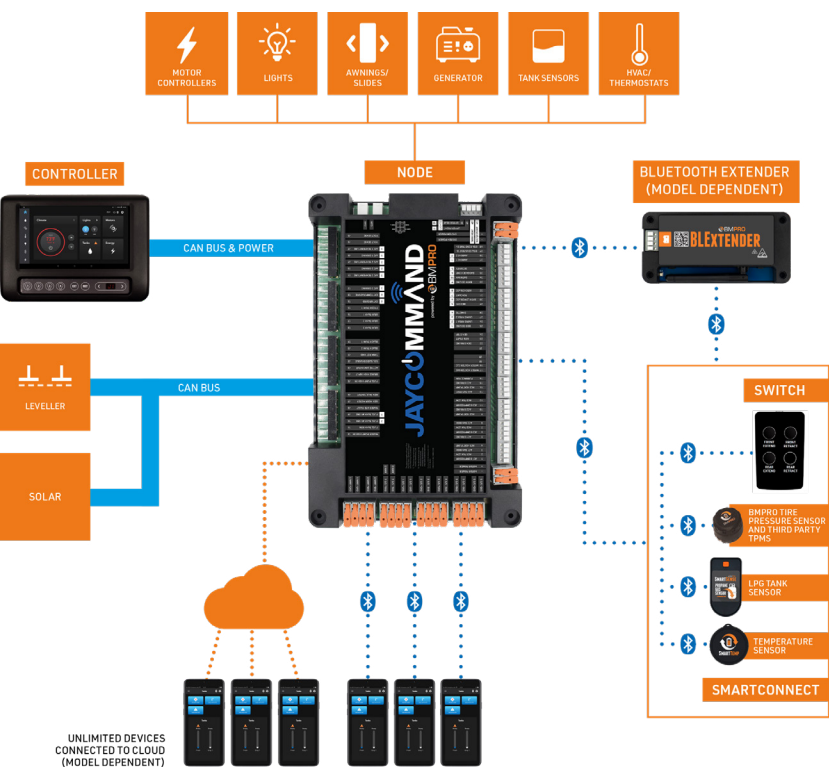


Figure 1: JAYCOMMAND System Diagram

Node

The heart of the JAYCOMMAND system, the Node, is an RV management system that powers and monitors your RV features and accessories. The Node communicates via Bluetooth Low Energy with the Controller, Switch and your own smartphone, to receive the commands to control power to all your RV features and accessories.

Updating the App on the Controller

To automatically receive the latest updates for the App, connect your Controller to the internet and login to your Google account.

You can also get the latest updates direct from the Google Play Store. Just search JAYCOMMAND or BMPRO in the Google Play Store and then press update. For more information, see **FAQs and Troubleshooting**.

Firmware Updates

The Node can be updated over-the-air, meaning you get the latest feature updates without the need to bring your RV to your local RV dealer. The App will need to be updated regularly to receive the latest firmware.

Notifications to update the Node firmware may be received after Updating the App on the Controller. These updates cannot be postponed. While the Node is powered, update the Node at the prompt to ensure that the Node is compatible with the App.

WARNING

To receive notifications about Node updates and to update the Node, make sure that the Controller is connected to the internet.

Controller

The Controller is a sleek, wall-mounted Controller that gives you the freedom to monitor and control multiple RV functions, all from one convenient location in your RV.

With a user-friendly, easy to understand App for Android and iOS, the App brings information to your fingertips. The App allows you to monitor and control your RV from up to 3 personal devices, via Bluetooth and even more devices using the cloud.

The Controller has WiFi capabilities to connect to the internet and download the latest App updates.

For more information, see **FAQs and Troubleshooting**.

Monitor

Water tanks, Temperature, Tire Pressure, Battery, LPG and Fuel.

Control

Lighting, Slide-outs, Awnings, Jacks, Heating and Cooling Systems, Generators and Leveling.

SMARTCONNECT

JAYCOMMAND is SmartConnect ready!

With SmartConnect Bluetooth sensors, you can remotely monitor various aspects of your RV, such as tire pressure, propane tank levels and individual temperatures.

Through the JAYCOMMAND wall Controller or App these sensors are a great addition to enhance your overall experience.

SmartConnect sensors are available through your local RV dealership. For more details, refer to teambmp.com/products/SmartConnect

DESCRIPTION OF PARTS



Figure 2: The Controller and its parts

1. Controller Home Screen Button

2. Connection Bar

When connected to Bluetooth, the icon will appear on screen.

When connected to the cloud, the icon will appear on screen.

Both icons will appear when both services are available

3. Settings Icon

Access to the App General Settings.

This button is only available on the Home Screen.

4. Return

Navigate to the previous page.

5. Main screen

Navigate to the Controller's tablet Android screen.

6. Recent Applications

Display a list of recently used / background applications on the Controller.

7. Reset Pinhole

To reset the Controller, insert an item (eg. a paper clip) into the reset pinhole.

8. Control Panel

To provide quick access to lights, water pump and motor operation while the Controller is in use.

9. Lights

Turn lights and water pumps on/off:



All Interior Lights



All Exterior Lights



All Lights



or  Water Pump Control

10. Motor Operation

To extend (EXT) and retract (RET) any motors installed in the RV.

Note: These buttons are also used during the pairing process between the Node and devices such as the Controller and smartphone.

11. & 13. Navigation Buttons

Use navigation buttons to scroll through the Control Panel menu functions.

For more information on available functions, see **Control Panel Menu Functions**.

12. Menu Display

Displays the current menu function.

CONTROL PANEL MENU FUNCTIONS

The menu functions on the Control Panel allow you to operate various motors, quickly Switch off loads and pair or clear the Node. The following functions apply depending on what is available in your RV.



Awnings

Navigate to the desired awning:
A1 (Awning 1)
A2 (Awning 2),
then press EXT or RET to operate.



Slide-outs

Navigate to the desired slide-out:
S1 (Slide-out 1)
S2 (Slide-out 2)
S3 (Slide-out 3)
S4 (Slide-out 4)
S5 (Slide-out 5)
S6 (Slide-out 6)
then press EXT or RET to operate.



Pairing

To pair the Node with the Controller, your own smartphone, or to clear the Node of any pairings.

For more information, see **Pairing to the Node** and **Clearing the Node**.



Jacks

Navigate to the desired Jack:
J1 (Landing Jack)
J2 (Front Stabilizing Jack)
J3 (Rear Stabilizing Jack)
then press EXT or RET to operate.



Ramp Door

Navigate to the desired ramp door, then press EXT or RET to operate.



Off

Navigate to OF, then press EXT to turn power OFF to all appliances.

The OF function will not shutdown generators connected to the Node. Navigate to the OF function, then press EXT to confirm that power to all accessories should be turned off.

Note: The Controller will turn off after 10 seconds. The Controller can be turned back on by pressing any of the Light buttons on the Control Panel.

PAIRING TO THE NODE

Pairing your Controller, smartphone or tablet to the Node is done in three easy steps. The App will guide you through the pairing process.

NOTE: The Controller will have been paired to your Node at the factory. You should only need to pair your own device or smartphone to the Node.

While the Node can be paired to a total of four devices (including the Controller), you can only pair one device at a time to the Node.

1. Launch the App on your phone.
2. Using the < or > button on the Controller, navigate to the 'PA' menu item.
3. When 'PA' appears on the display, press the EXT button to start the pairing process to the Node. 'PA' will blink for a maximum of 30 seconds or until a device is connected.



Figure 3: Use < or > to navigate to the 'PA' menu item



Figure 4: Press EXT once, to start the pairing process

CANNOT PAIR TO THE NODE

If you are pairing a mobile device to the Node and "--" appears on screen, it is mostly likely that four devices are connected to the Node simultaneously. To resolve this, either:

- 📱 Close the App on one of the devices that are connected to the Node and try again, OR
- 📱 Clear the memory of the Node of all the previously paired devices.



Figure 5: Failed to connect

CLEARING NODE OF ALL PREVIOUSLY PAIRED DEVICES



Clearing the Node memory will also clear the pairing between the Node & Controller. After clearing, the Controller will need to be paired to the Node again.

1. Go to the App General Settings and press Bluetooth Connection.
2. Press Unpair RV to unpair the Controller from the Node.

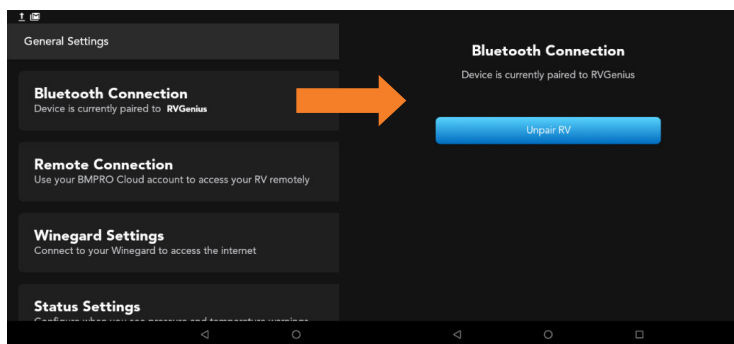


Figure 6: Unpairing a mobile device from the Node

3. Navigate to the **PA** function on the Controller display.
4. Press and hold **EXT** until the number 1 scrolls across the Controller display. The Node is now clear of all connected devices.



Figure 7: Clearing connecting devices

5. Pair the Controller to the Node again.
See **Pairing to the Node**.
6. Pair the new device to the Node.
See **Pairing to the Node**.
7. When pairing is successful, you will be taken to the App home screen and the Bluetooth icon will be visible.



Figure 8: Controller Home screen after pairing successful

For any additional support, see [FAQs & Troubleshooting](#).

CONGRATULATIONS, YOU'RE CONNECTED!

BMPRO CLOUD

The JAYCOMMAND has cloud control, which allows you to remotely connect, monitor and control your RV from your smart device.

CONNECT TO THE BMPRO CLOUD

To connect to the BMPRO Cloud for the first time:

1. Connect your Controller to the Internet via Wi-Fi.
2. Launch the App, go to General Settings and press **Remote Connection**.
3. Press **Create account**.

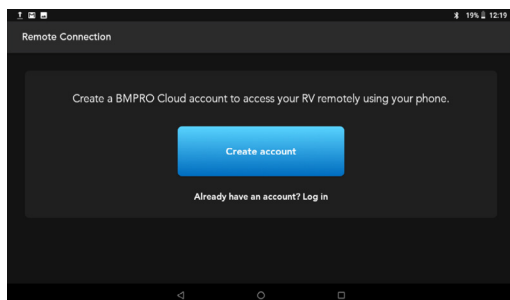


Figure 9: Create a BMPRO account

4. Enter your full name, email address and a password of your choice.



WARNING

Keep your password in a safe place and only share details with others if you want them to access and control your RV!

Remote Connection

Create a BMPRO Cloud account

Full Name
teambmp ✓

Email address
adventure@teambmp.com ✓

Password
***** ✓

Re-enter password
***** ✓

☒ Tick to confirm that you have read and agree to our [Terms and Conditions](#) and [Privacy Policy](#)

Create account

Figure 10: Enter your details

6. An email will be sent to your account to verify your email address. Click on the link provided in the email to complete verification.
7. Now connect your smart device using your BMPRO account details to get started.

CLOUD CONTROL

To control the RV from cloud, launch the App on your smart device.

1. Select **Log in to BMPRO Cloud**, or in **General Settings**, select **Remote Connection**
2. Enter the same email address and password used in the last step.

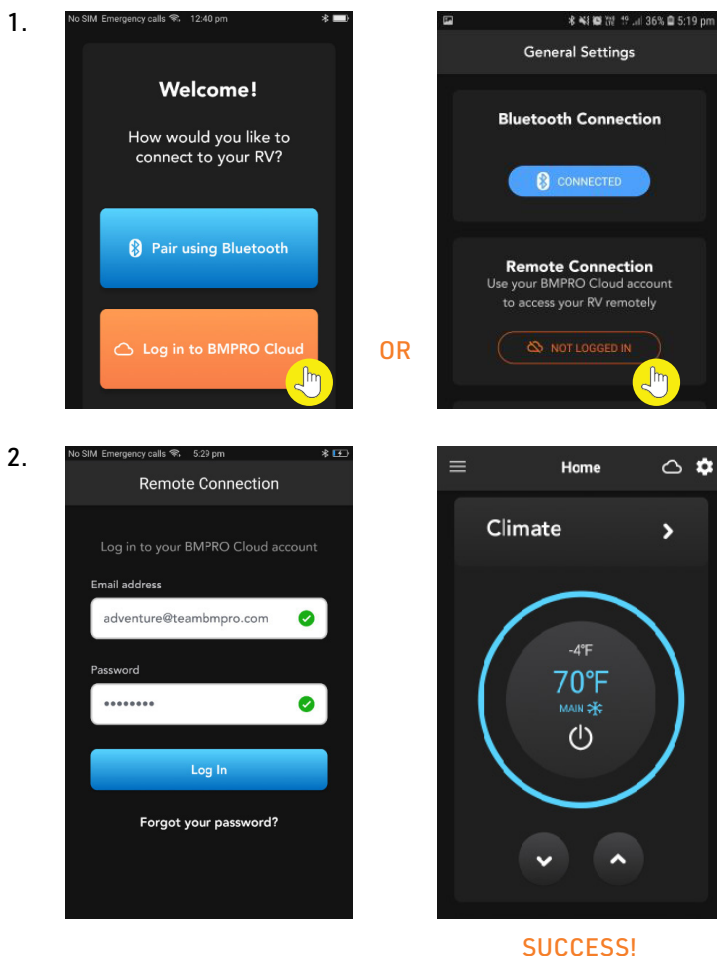


Figure 11: Controller Home screen after pairing successful

Remotely monitor and control features while in cloud control. For your safety and the prevention of unintentional damage the leveling, motor controls and the water pump ON Switch are not controlled from the cloud.

ACCOUNT NOT VERIFIED

If the email address was not verified then the following message will appear:

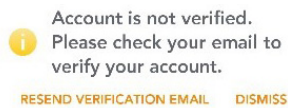


Figure 12: Error Message

Press **RESEND VERIFICATION EMAIL** to complete the email verification process.

FORGOT YOUR PASSWORD

If you forgot the Cloud account password, press **Forgot your password** in the login page, enter your email address and press **SEND EMAIL**.

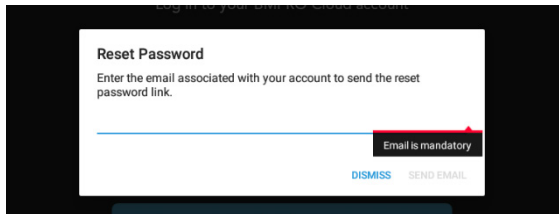


Figure 13: Reset Password

WINEGARD

To set up Winegard:

1. Go to the Settings menu.
2. Scroll down and press **Winegard Settings**.

Logging into Winegard network

1. Press the search button to search for the available networks, select the desired network and enter the password or enter the network name and password. If your network is not seen, make sure the Winegard is turned on and Scan again.
2. After the network name and password are entered correctly, press **Join**.

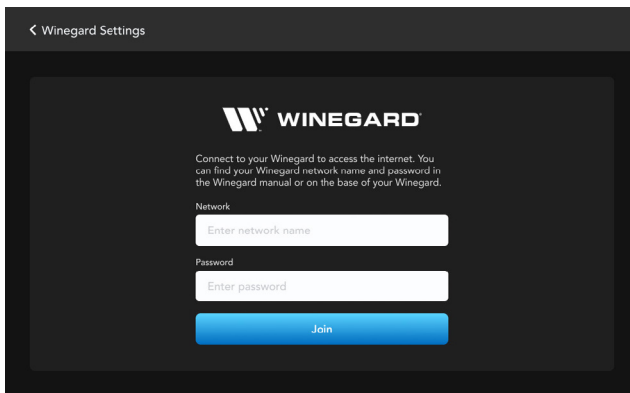
The image shows a mobile application screen titled "Winegard Settings". At the top left is a back arrow icon. The main content area has a dark background with the "WINEGARD" logo at the top. Below the logo, there is instructional text: "Connect to your Winegard to access the internet. You can find your Winegard network name and password in the Winegard manual or on the base of your Winegard." There are two input fields: "Network" with the placeholder text "Enter network name" and "Password" with the placeholder text "Enter password". Below these fields is a blue button labeled "Join".

Figure 14: Enter network name and password to access Winegard

Internet Preferences

You can select from the following options:

- 📶 **4G:** Connect to a 4G network. SIM card required.
- 📶 **WiFi:** Connect to an external WiFi network.
- 📶 **Internet OFF:** No internet source selected.

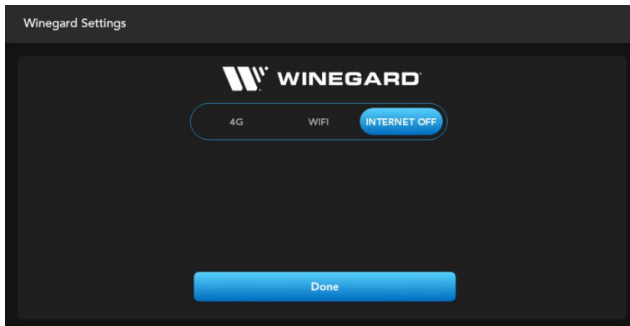


Figure 15: Internet Preference Screen

Winegard Status

The current status of the Winegard is displayed on the Winegard tile in the General Settings area.

- 📶 **SETUP:** This is seen when no Winegard network has been connected previously. Press the tile to connect to a Winegard network.
- 📶 **UNAVAILABLE:** This means that the Winegard network is not available and may be seen during a transition from one mode to another. If Unavailable is displayed for a long time, check that the Winegard module is ON.
- 📶 **FETCHING INFO, CONFIGURING:** This may be seen during a transition from one mode to another, e.g. changing from WiFi to 4G.
- 📶 **4G:** This is seen when the Winegard is set to 4G. The status of the network is also displayed, e.g. Connected to 4G/LTE "NetworkName Data Plan"
- 📶 **WiFi:** This is seen when the Winegard is set to WiFi. The status of the network is also displayed, e.g. Connected to WiFi "NetworkName"
- 📶 **Internet OFF:** This is seen when the Winegard is set to WiFi. The status of the network is also displayed Internet is off.

WiFi Properties

Logging Into Wifi Network

1. Press the Search button for a list of available networks and select desired network.
2. If your network is not seen, make sure the Winegard is turned on and scan again. After the network name and password are entered correctly, press **Done**.

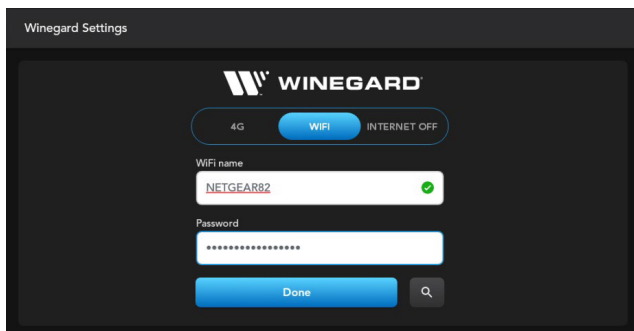


Figure 16: The desired WiFi credentials window

Save and/or forget WiFi Network

After the WiFi credentials are entered, the WiFi network will be saved.

- Press **Done** to connect last saved network.
- Press **X** to delete the saved network.

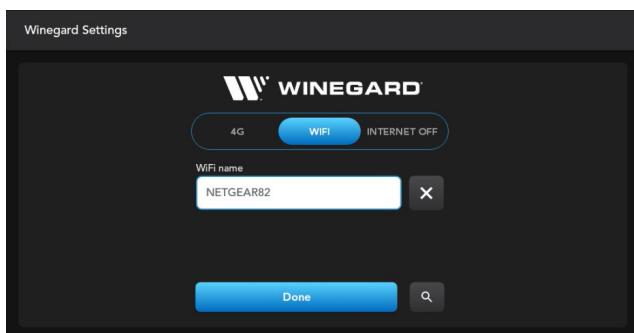


Figure 17: WiFi credentials window

THE APP

Download the App to your smartphone or tablet and enjoy the freedom to monitor and control the onboard features of your RV remotely.

WARNING

Available features on the App may vary depending on your RV model.

COMPATIBLE DEVICES

The App is compatible with Android 6.0 or later and iOS 11 or later. Search for JAYCOMMAND in the Apple App Store or Google Play.



Figure 18: QR Codes

APP HOME SCREEN

The App home screen provides a general overview of the key features of your RV. It also provides a quick way to control specific RV lights and the RV's climate system, direct from the home screen.



Figure 19: The App Home Screen

TANKS SCREEN

You can control the water pump, electric, gas heaters and tank heaters from the Tanks screen, if applicable.

The Tanks screen displays the levels of your fresh, gray and black water tanks. The water levels displayed are: Empty, 1/3, 2/3 and Full.



Figure 20: Water Screen

LEVELING AND MOTORS SCREEN

The Leveling and Motors Screen control the Slide-outs, Awnings, Jacks and Ramp Door. It also contains controls for the Leveling System installed in the RV.

WARNING

Before operating any motors, ensure the area is free from obstacles and other hazards. Ensure that any persons near the RV are not in any danger from moving parts.

Leveling Control

If equipped, the leveler can be controlled from the Controller or your smartphone. Individual jack controls and zero point calibration are also available on some models.

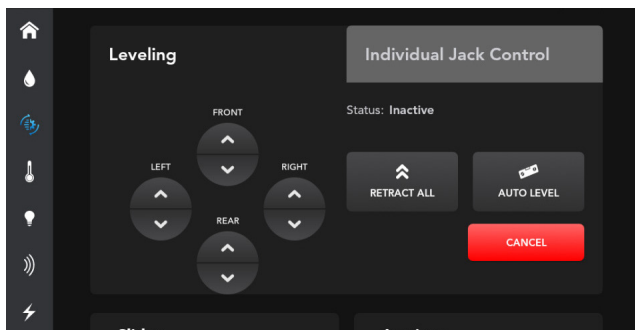


Figure 21: Leveling Screen

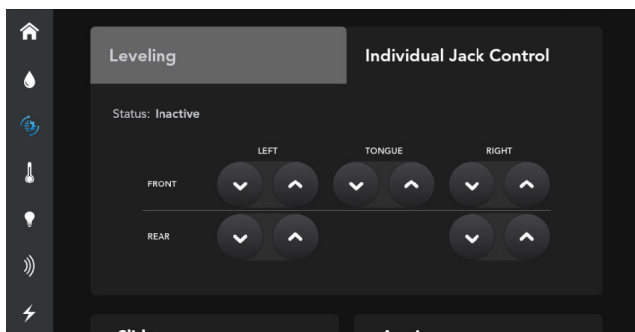


Figure 22: Individual Jack Control

Zero Point Calibration (Model Dependent)

If your model supports zero point leveling, you can calibrate perform from zero point calibration from the **Motor Settings** screen in the Settings menu.

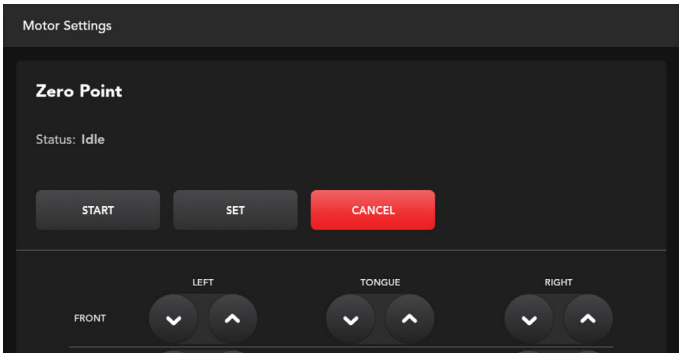


FIGURE 28: Zero Point Leveling

For more information on zero point calibration, refer to the **Zero Point Calibration Sequence** help guide.

FIGURE 29: Zero Point Calibration Sequence help guide QR code



Leveling Faults

If a fault occurs with the leveling system, a pop-up will appear. To clear the fault, follow the instructions in the pop-up and press “OK”.

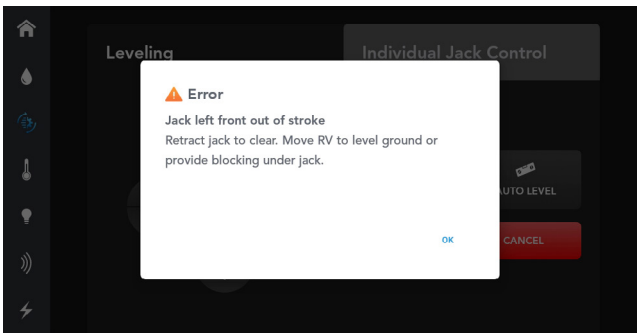


Figure 23: Example of a fault

Motor Control

Only one motor may be operated at a time. Once a motor is in operation, motor control will be disabled in any other device running the App. This does not include the leveling system.

To operate motors on your own device, swipe to unlock the Motors screen.

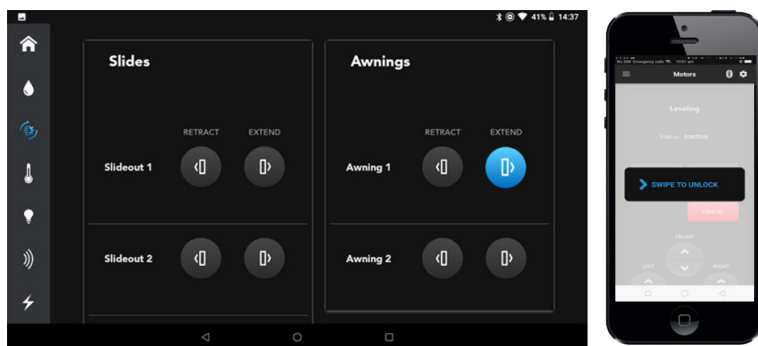


Figure 24: Motor Screen

Motor Lockout Feature

The motor will be automatically locked out if a high input is detected on the brakes. This will be shown on the JAYCOMMAND unit at pin 64.

The motor cannot be turned back on until the lockout is disabled.

If the motor is locked, the App will show a pop-up.

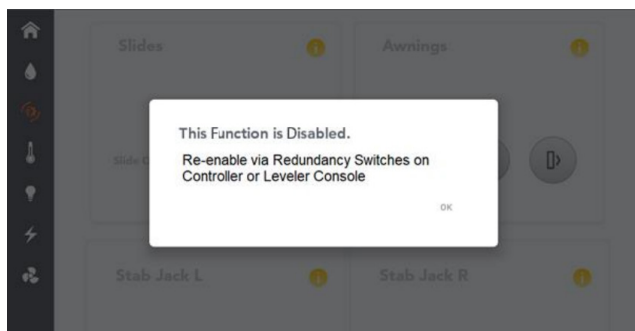


Figure 25: Motor lockout

The motor can be turned back on by:

- ☐ Using the redundancy Switches on the Controller.
- ☐ Sending leveling commands with the leveler.

CLIMATE SCREEN

The Climate Screen allows you to control the temperature of your RV. The zones that appear depend on the vehicle configuration.

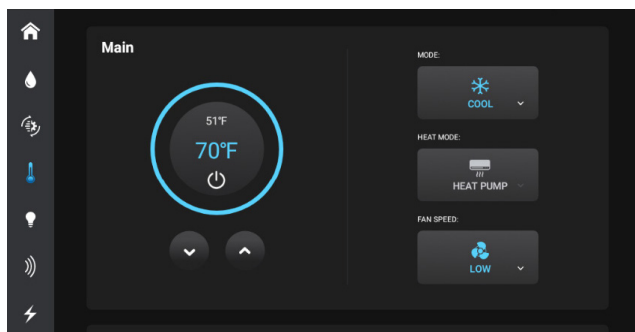


Figure 26: Climate page

Choose from Cool, Cool Auto or Heat to adjust the temperature between 60°F – 90°F / 16°C – 32°C.

Cool & Cool Auto

Cool will run the fan continuously and cycle the compressor, as it needs to achieve the target temperature.

Cool Auto is similar, but will only turn on the fan when the compressor is operating. There may be a three minute delay in turning the compressor on.

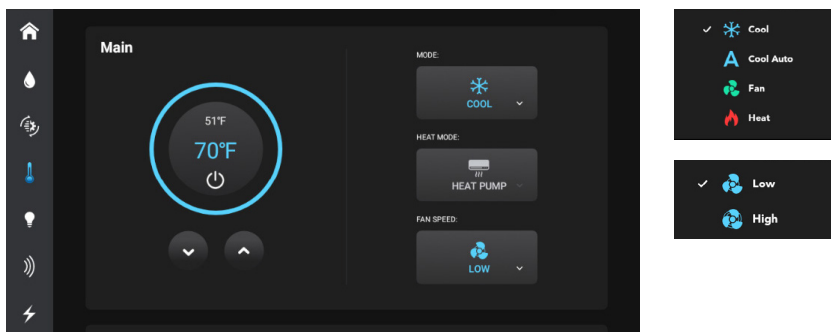


Figure 27: Cool & Cool Auto

Fan

The fan can be operated for air circulation in each zone.

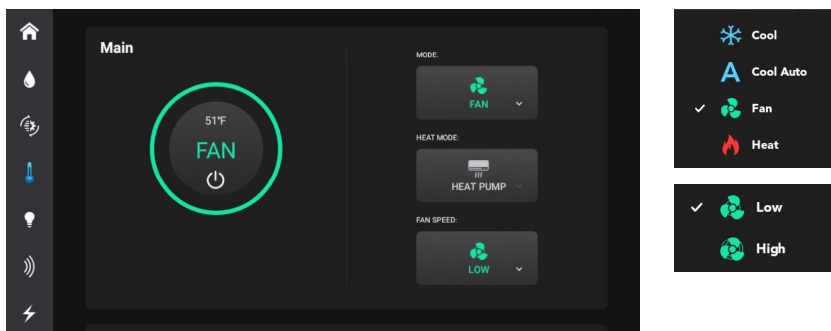


Figure 28: Fan Mode

Heat

If available, the RV may be heated from the furnace, heat pump or a combination of both. The furnace can only be controlled from the Main Climate Zone.

To set temperature:

1. Turn climate on.
2. Select your mode of operation.
3. Adjust the temperature to your desired setting (if available in the selected mode).
4. If the mode is set to Furnace, you can then set the main A/C fan to off or low.

There may be a three minute delay in turning the Heat pump on.

To prevent unwanted circulation of cool air, in furnace mode the main A/C fan will wait 60 seconds before coming on to allow time for the furnace to heat the RV.

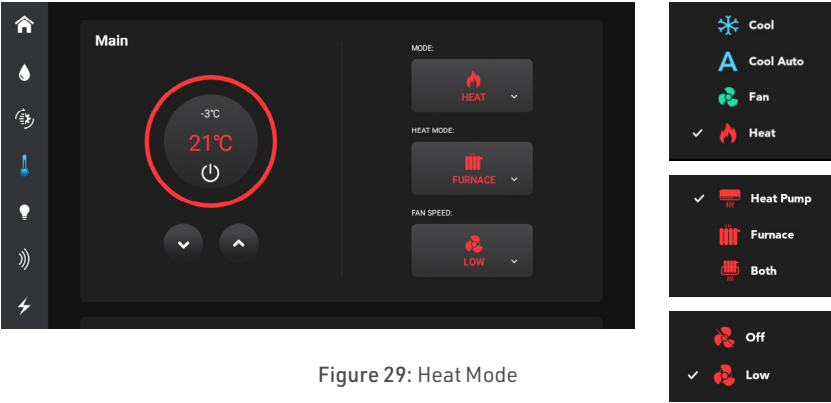


Figure 29: Heat Mode

LIGHTS SCREEN

Lights can be turned on and off from the light screen. Brightness can also be adjusted on certain lights.

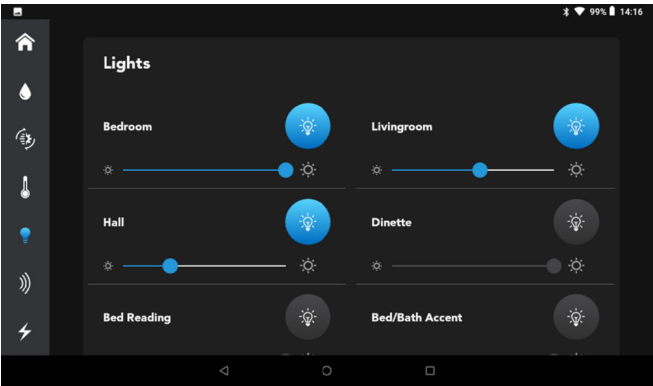


Figure 30: Lights Screen

ENERGY CENTER

BATTERY MONITORING

Battery Monitoring allows you to monitor RV and/or chassis voltages. If no RV and chassis batteries are connected, the App will monitor the system voltage of the Node.

If the voltage drops below 12V, a warning will appear on the screen.

AUTOMATIC GENERATOR START

You can keep your battery and climate levels steady by using Automatic Generator Start (AGS).

AGS will keep your levels steady by automatically turning your generator on or off.

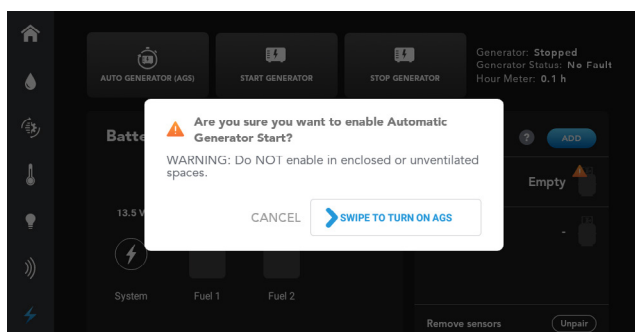


Figure 31: Automatic Generator Start

To use AGS, you may need to update the App.

If AGS is enabled, the App will attempt to start the generator a total of four times to try and keep levels steady.

If there are four failed starts, the App will stop attempting to start the generator.

If the generator fails to start, please consult your generator's owner's manual.

ENERGY CENTER SETTINGS

The Energy Center Settings are used to set the parameters to control AGS usage.

To access Energy Center Settings:

1. From the App home screen, press the Settings icon 
2. Press **Energy Center Settings**.

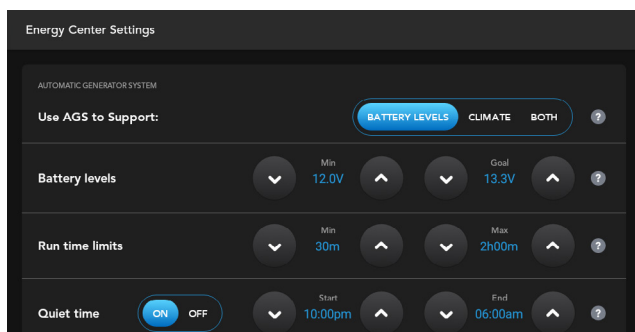


Figure 32: Energy Center Settings

Use AGS to Support

This setting is used to determine if AGS will support battery levels, climate or both.

-  **Battery Levels:** the generator will turn on and run until the battery is charged to the set target voltage.
-  **Climate:** the generator will turn on so the air conditioner can run. If the temperature of the RV climbs above the set point in the Climate screen, AGS will turn the generator on and the generator will run until the temperature comes back down to the set point.
-  **Both:** the generator will turn on and run until both the battery and climate levels reach the set points.

Battery levels

The minimum battery voltage level which automatically starts battery charging from the generator can be set using this setting. Battery charging will stop when the target voltage is reached.

AGS monitors both system voltage and RV battery voltage and uses the greater of the two to determine whether to turn the generator on or off.

Run time limits

The minimum time the generator will continue to run for after the target battery voltage and/or temperature is achieved can be set using this setting.

The maximum time is the total run time that the generator will operate to achieve the target battery voltage and/or temperature. If targets are not achieved and the generator run time exceeds the maximum run time limit set in the Energy Settings, the generator will automatically turn off.

Quiet time

When Quiet time is turned on, the generator will always be turned off during the set hours, even if AGS has been enabled.



WARNING

If you are using Quiet Time, ensure that the time is correct on your RV.
For help setting the time, refer to **FAQs and Troubleshooting**.

GENERATOR VIA BLUETOOTH

To turn on the generator, press and hold the **Start Generator** button until the generator starts. The App will also show the running status of the generator.

To stop the generator, press and hold the stop generator button until the generator stops.

The stop generator button can also be used to prime the generator. For more information, refer to your generator's manufacturer manual.

GENERATOR VIA CLOUD

To turn on the generator, press the **Start Generator** button. A confirmation message will appear. Swipe right on the **Swipe to Enable** button to start the generator.

GENERATOR FAULT

If the Generator Status indicates a fault:

1. Press the Generator Stop icon.
2. Fix the fault with the generator.
3. Press the Generator Start icon.

If the fault has been fixed, when you next turn the generator on from the App, the Generator Status will display “No Fault”.

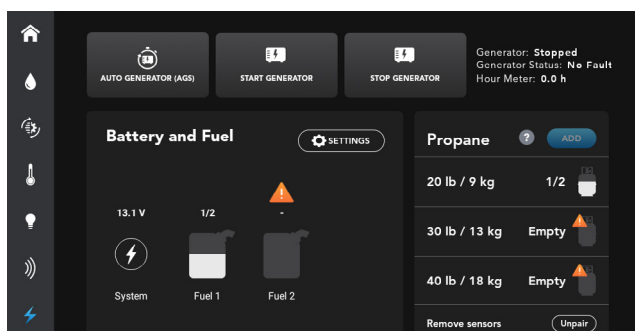


Figure 33: Generator Status: No Fault

GENERATOR LOCKOUT FEATURE

The generator will be automatically locked out if a high input is detected on the brakes. This will be shown on the JAYCOMMAND unit at pin 64.

The generator cannot be turned back on until the lockout is disabled.

The App will not show a pop-up if the generator is locked out.

The lockout can be disabled by:

- Using the redundancy Switches on the Controller.
- Sending leveling commands with the leveler.

FUEL

The fuel level is also monitored and displayed in 8 levels.

A warning is displayed if the fuel level is empty.

FUEL PUMP RUNNING INDICATOR

If applicable, a running indicator will be displayed under Fuel 1 whenever you turn the pump on.

SOLAR CONTROLLER

When solar is connected to a compatible RVC controller, the Solar Controller screen allows you to view the status of any connected solar panels.

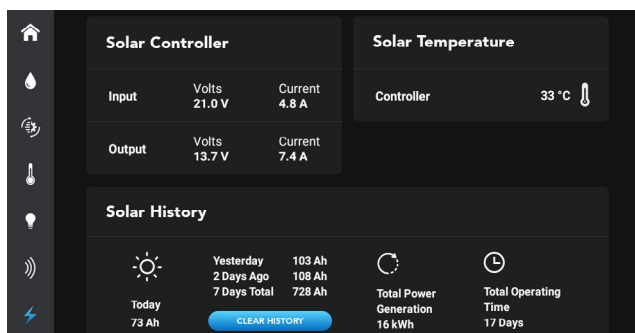


Figure 34: Solar Controller

Solar Controller

This section displays the input voltage and current from the solar panel and the output voltage and current of the battery.

Solar Temperature

This section displays the solar Controller regulator and battery temperature.

If no battery sensor is present, the battery temperature can be hidden from view.

The temperature can be displayed in either °F or °C, depending on what preference has been set in the App's General Settings.

Solar History

The section displays the total electric charge produced in ampere hours for today, yesterday, and two days ago, and the total charge produced over the last seven days.

Electric charge is displayed in ampere hours.

The total power generation is displayed in kilowatt-hours.

Clear History

The Clear History button will clear all the solar history, including the total power generation and total operating days.

SOLAR CONTROLLER SETTINGS

The Solar Controller Settings are used to configure the Solar Controller to your liking.

To access Solar Controller Settings:

1. From the App home screen, press the **Settings** icon 
2. Press **Solar Controller Settings**.

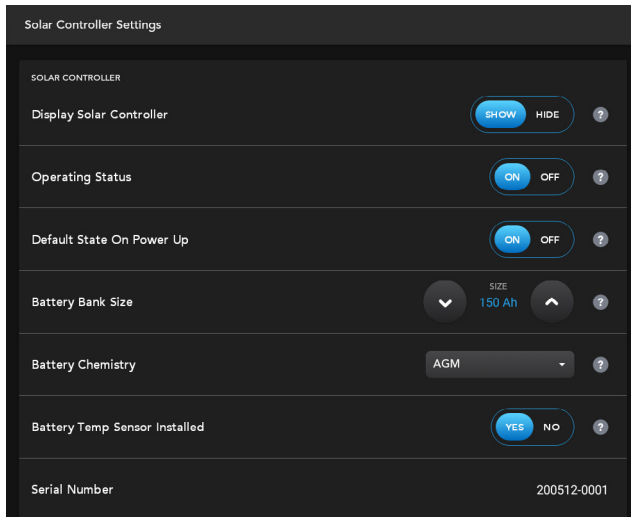


Figure 35: Solar Controller Settings

Display Solar Controller

Allows you to toggle Solar Controller information to be hidden if you do not want it to be displayed in the App.

If Solar Controller information is hidden, you can toggle it to be displayed.

Operating Status

Displays the current operating status of the Solar Controller.

Default State On Power Up

Displays the default state of the Solar Controller when powered up.

Battery Bank Size

Allows you to set your battery bank size.

Battery Chemistry

Displays your battery chemistry.

Battery Temp Sensor Installed

Displays if a battery temperature sensor is installed.

Serial Number

Displays the Solar Controller serial number.

Make

Displays the Solar Controller make.

Model

Displays the Solar Controller model number.

GENERAL SETTINGS

General Settings may be accessed by selecting the Settings icon  on the App home screen.

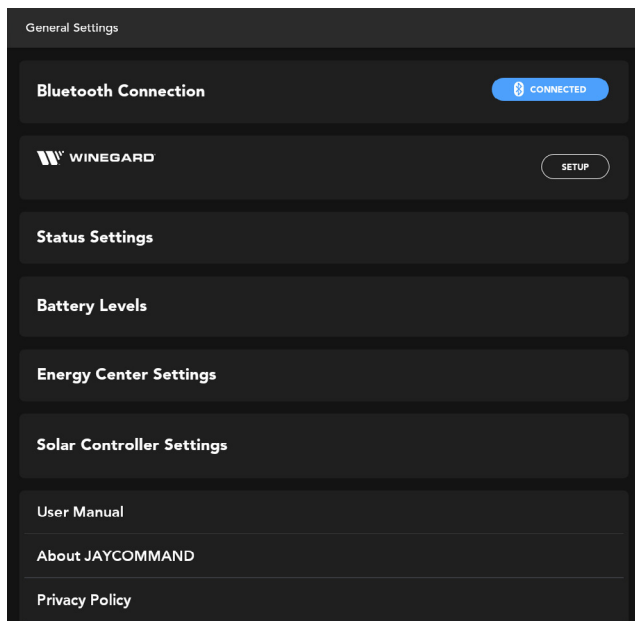


Figure 36: General Settings Screen

Use General Settings to:

-  Check the **Bluetooth Connection** between the **Node** and **Controller**.
-  Enter the **Winegard** network name and password to connect to the internet.
-  Set **Status Settings**, allowing for the setting of tire pressure sensor underpressure and over-temperature limits.
-  Check the wireless **Battery Levels** of any installed **Switch**.
-  View **Energy Center Settings**.
-  View **Solar Controller Settings**.
-  Access a digital version of the **JAYCOMMAND Owner's Manual**.
-  Set Motor Settings, which depending on the level of Controller installed, can be used to set zero-point calibration.

- View information **About JAYCOMMAND**: all About the JAYCOMMAND system, Node Firmware version, JAYCOMMAND App version, etc.
- Set your unit **Preferences** for temperature and pressure.
- View the **Diagnostics** page, showing any detected faults.

UNIT CONVERSION

To change the unit of temperature, go to the settings menu on the App home screen and select **Preferences**.

From there, the unit of temperature can be toggled between Celsius & Fahrenheit.

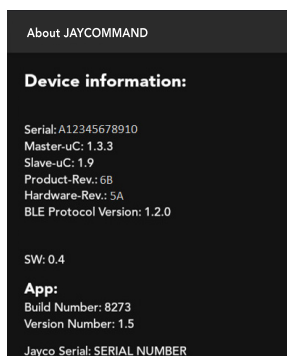


Figure 37: About JAYCOMMAND

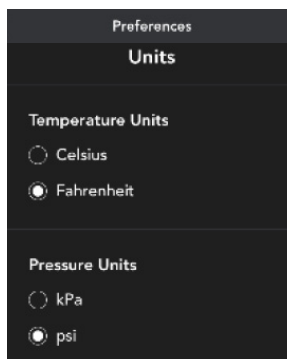


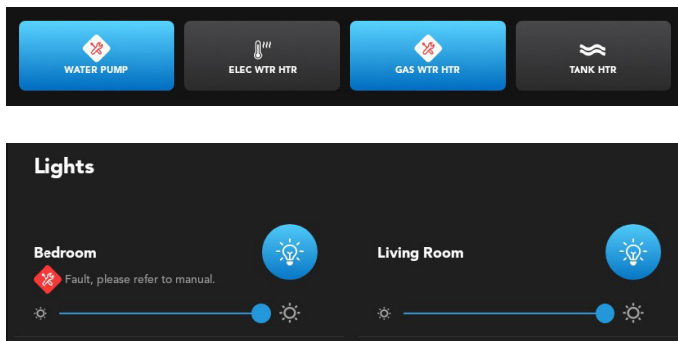
Figure 38: Unit Preferences

DIAGNOSTICS

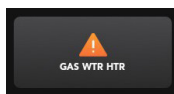
The diagnostics page will display any detected faults to the JAYCOMMAND system.

To clear circuit faults, remove the suspected short and toggle the suspected output to clear the fault indicator.

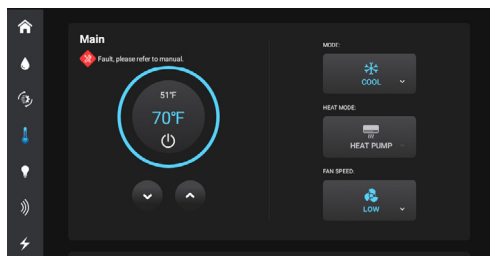
1. For lights, tank heater, water heater, water pump, electric and gas heaters, if a short occurs on these outputs, a red fault indicator will appear.



2. The gas water heater has its own warning output. If it signals a fault, a warning will appear on the gas water heater button.



3. The motor outputs do not indicate a warning if the wires are shorted.
4. If a fault occurs on a Climate output (e.g. the compressor output), a fault icon will appear in the zone. To clear the Climate fault, diagnose that Climate zone, remove the short, turn the Climate off and then turn back on to reset the fault display.



The Diagnostics page will display any faults detected on the Solar Controller.

The following types of faults will be displayed in the Diagnostics page if detected:

-  Battery Over Voltage
-  Battery Under Voltage
-  Battery Over Temperature
-  Battery Under Temperature
-  Solar Controller Over Temperature
-  Solar Array Over Voltage
-  Solar Array Short Circuit

NOTE: If Solar Controller information is set to be hidden in the Solar Controller settings, no solar faults will display on the Diagnostics page.

Diagnostics			
	67	Unable to Report	
	69	Unable to Report	
	71	Unable to Report	
	68	Unable to Report	
	70	Unable to Report	
	72	Unable to Report	
Solar Controller			
Battery Over Voltage			
Battery Over Temperature			
Battery Under Temperature			
Solar Controller Over Temperature			
Solar Array Over Voltage			
Solar Array Short Circuit			

Figure 39: Solar Controller Diagnostics

UPDATING FIRMWARE

The Node will check the App revision that is installed on the Controller.

If the Node has a higher firmware version than what is embedded in the App, a yellow information icon will display in the top toolbar of the App.

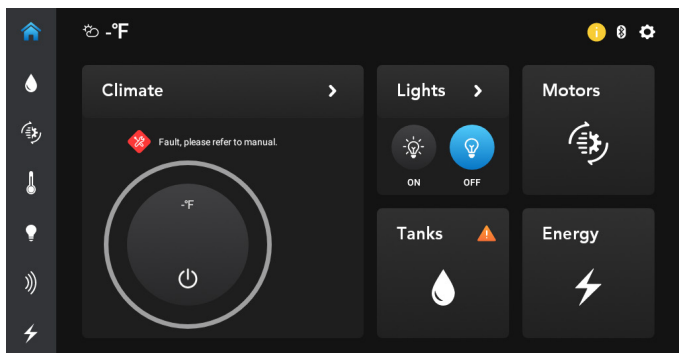


FIGURE 57: Firmware Update Available

To update the firmware:

1. Press the yellow information icon.
2. Follow the instructions in the App.

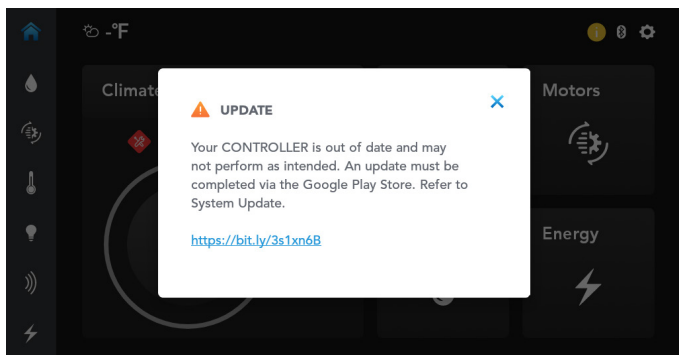


FIGURE 58: Firmware Update Pop-up

SWITCH

The Switch communicates via Bluetooth to the **Node**, giving you additional control of RV features.

NOTE: Any Switch you install in your RV has been paired to the **Node** at the factory and is ready for immediate use.

CHECKING THE BATTERY IN YOUR SWITCH

The Switch is powered by a standard 3V Lithium Cell coin battery (CR2032).

You can check if the battery needs replacing from the **App** General Settings. Open the Battery Levels page in the General Settings screen then press any button on the Switch you are checking. Once the button has been pressed, the **App** will refresh with the Switch battery status.

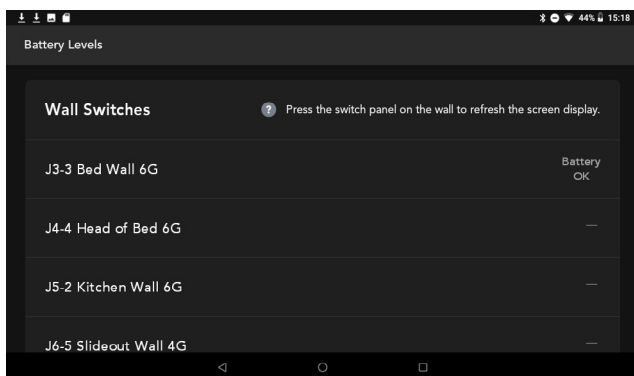


Figure 40: Battery Powered Wall Switches Settings. LOW indicates that the battery in the wall Switch needs replacing.

REPLACING THE BATTERY IN YOUR SWITCH

To replace the battery, unclip the **Switch** Button Pad. Using a flathead screwdriver, pry open the **Switch** Button Pad and remove the battery from the holder. Insert the new battery in the holder with the positive side facing up.

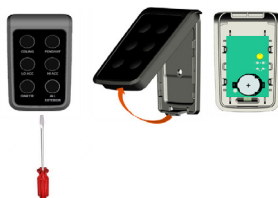


Figure 41: Accessing the battery in the Switch

FAQS AND TROUBLESHOOTING

PAIRING WITH THE NODE

1. I tried pairing my phone to the Node, but it didn't connect?

If pairing fails, before attempting to pair your smartphone again:

1. Toggle the smartphone's Bluetooth off and on.
2. Toggle the smartphone's flight mode off and on.
3. Restart the **App**.
4. Cycle power to the **Node** off and on.



WARNING

If you clear the **Node**, remember to pair with the **Controller** again.

2. I tried pairing my phone to the Node but the Controller displays --?

If the Controller displays -- when pairing with the Node, this indicates the Node is already paired to four devices and cannot support any more devices.

In this case, unpair one of the connected mobile devices and try again.

Alternatively, clear all previously paired devices, following the instructions in Clearing the Node. Then pair your smartphone and the Controller again.

CONTROLLER AND APP

3. Does the Controller connect to Wi-Fi?

Yes, the Controller can connect to your local Wi-Fi network:

1. Tap the Main screen icon to return to the Controller main screen.
2. Tap on the Settings icon.
3. Select Network & Internet > Wi-Fi, then connect to your Wi-Fi network.

4. How do I update the App on my Controller?

The Controller is set up to automatically receive App updates and will automatically update whenever a new release is available. To allow this to happen, make sure that you are:

1. Connected to the internet.
2. Logged into your Google account.

5. How do I create a Google Account?

If you don't have a Google Account, you can create one by pressing the Google Play icon on the Controller main screen and following the prompts.

6. How do I change the date and time on my Controller?

1. Tap the Main screen icon to return to the Controller main screen.
2. Tap the Settings icon.
3. Select Systems > Date & Time to adjust, date, time and time zone.

7. The Controller is displaying the code 88 and is unusable, what do I do?

The Controller will display **88** on its menu display if there is a system error which prevents the use of the system.

If you encounter an **88** error, please contact your RV dealership for further assistance.



Figure 42: 88 Error

SWITCH

8. I've replaced the Switch in my RV, but it doesn't work?

You may need to pair the Switch to the Node before you can use the Switch.

1. Using the < > buttons on the Controller, navigate to the 'PA' menu item.



Figure 43: PA Menu Item

2. When 'PA' appears on the display, press the **RET** button to start the pairing process between the Switch and the Node.



Figure 44: Press RET

3. Press any two buttons on the Switch at the same time.
4. Press **EXT** on the Controller to accept the pairing of the Switch to the Node.



Figure 45: Press EXT

APPENDICES

SPECIFICATIONS

NODE SPECIFICATIONS	
Input Voltage Range	8V to 15V DC
Ambient Temperature	-4°F to 140°F (-20°C to 60°C)
IP Rating	IP20
Approvals	FCC 47 CR15.109, CAN ICES-3 (B) / NMB-3 (B), IEC 61000-4-2 Level III, IEC60068-2-27 Table A.1, IEC 60068-2-64 Spectrum A.3 Category 1

CONTROLLER SPECIFICATIONS	
Input Voltage Range	8V to 15V DC
Ambient Temperature	-20°C to 60°C
Temperature	-4°F to 140°F
IP Rating	IP40
Approvals	FCC 47 CR15.109, CAN ICES-3 (B) / NMB-3 (B), IEC 61000-4-2 Level III, IEC60068-2-27 Table A.1, IEC 60068-2-64 Spectrum A.3 Category 1

SWITCH SPECIFICATIONS	
Input Battery	2.2V to 3.0V CR2032
IP Rating	IP40
Approvals	FCC 47 CFR 15.109, CAN ICES-3 (B) / NMB-3 (B), IEC 61000-4-2 Level III, IEC60068-2-27 Table A.1, IEC 60068-2-64 Spectrum A.3 Category 1

LIMITED WARRANTY TERMS AND CONDITIONS

Registering your BMPRO product is an important step to ensure that you receive all the benefits you are entitled to. Please visit teambmp.com to complete the online registration form for your new product today.

What this Limited Warranty Covers

This warranty covers any defect or malfunction in your BMPRO product. Under this warranty you are entitled to have such goods replaced, repaired or refunded.

What this Limited Warranty Does Not Cover

This warranty does not extend to product failures or defects caused by, or associated with, but not limited to:

- Failure to install or maintain correctly, unsuitable physical or operating environment, accident, acts of God, hazard, misuse, unauthorized repair, modification or alteration, natural disaster, corrosive environment, insect or vermin infestation and failure to comply with any additional instructions supplied with the product.
- BMPRO may seek reimbursement of any costs incurred when a product is found to be in proper working order or damaged as a result of any of the warranty exclusions listed above.
- BMPRO will not be liable for any costs, charges or expenses incurred in the process of returning a product to initiate a warranty claim.

How Long the Warranty Lasts

BMPRO warrants products against defects for a period of two years, commencing from the original date of purchase.

Claims Process

Proof of purchase is required before the product can be deemed to be within the warranty period.

To enquire or make a claim under this warranty, please follow these steps:

A. Prior to returning a BMPRO product, please email service@teambmp.com to obtain a Return Material Authorisation (RMA) number.

B. Package and send the product to:

**BMPRO WARRANTY DEPARTMENT
UNIT 1 821 E WINDSOR AVE
ELKHART IN 46514**

Please mark RMA details on the outside of the packaging.

C. Please ensure the package also includes: a copy of the proof of purchase, a detailed description of the fault and your contact details including phone number and return address.

How State Law Applies

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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