BMPRO
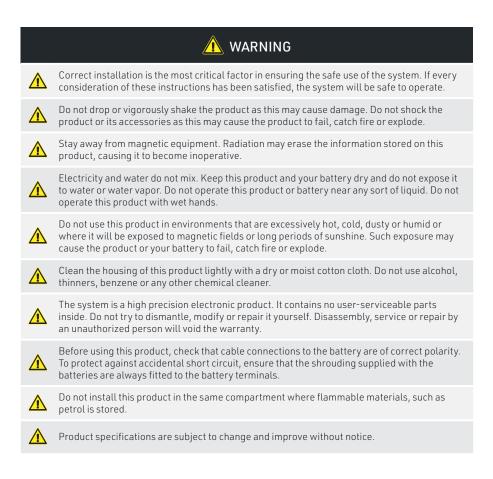
JAYCOMMAND

powered by BMPRO

TravelLINK

powered by BMPRO

SAFETY PRECAUTIONS

Please read the Safety Precautions before installing or using the system. 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 system. If every consideration of these instructions has been satisfied, the system 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 system 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.

⚠ WARNING

⚠ Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.

⚠ Even used batteries may cause severe injury or death.

⚠ Call a local poison control center for treatment information.

⚠ Non-rechargeable batteries are not to be recharged.

⚠ Do not force discharge, recharge, disassemble, heat above 55°C / 131°F or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.

⚠ Ensure the batteries are installed correctly according to polarity (+ and -).

⚠ Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.

⚠ Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.

⚠ Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

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 cause undesired operation.

⚠️ **WARNING**

Any changes or modification not expressly approved by BMPRO could 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 device meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. The SAR limit of USA (FCC) is 1.6 W/kg averaged. Device types: 77" Quad Core Android Tablet without battery (FCC ID: 2ASJH-BMPRO7DI4) has also been tested against this SAR limit. SAR information on this and other pad can be viewed on - line at http://www.fcc.gov/oet/ea/fccid/. Please use the device FCC ID number for search. This device was tested simulation typical 0mm to body. To maintain compliance with FCC RF exposure requirements, the use of accessories should maintain a separation distance between the user's bodies mentioned above, the use of accessories should not contain metallic components in its assembly, the use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

For body worn operation, this device has been tested and meets the IC RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 0 mm from the body. Noncompliance with the above restrictions may result in violation of RF exposure guidelines.

En cas d'usure du corps, cet appareil a été testé et répond aux directives d'exposition aux RF IC lorsqu'il est utilisé avec un accessoire désigné pour ce produit ou lorsqu'il est utilisé avec un accessoire qui ne contient pas de métal et qui place le combiné à au moins 0 mm du corps. Le non-respect des restrictions ci-dessus peut entraîner une violation des lignes directrices sur l'exposition aux RF.

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.

⚠ **WARNING**

- **INGESTION HAZARD**: This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.

CONTENTS

ABOUT THE SYSTEM

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

NODE

The heart of the system, the Node, is an RV management system that powers and monitors your RV features and accessories.

The Node communicates via RV-C to the Display or Controller (depending on your model) and Bluetooth Low Energy with your smartphone, to receive the commands to control power to all your RV features and accessories.

DISPLAY/CONTROLLER (MODEL DEPENDENT)

The sleek, wall-mounted Display or Controller gives you the freedom to monitor and control multiple RV functions.

Monitor: Water tanks, Temperature, Tire Pressure, Battery and LPG.

Control: Lighting, Slide-outs, Awnings, Jacks, Heating and Cooling Systems, Generators and leveling.

APP

The App allows you to monitor and control your RV on up to 4 personal devices via Bluetooth.

The App is available both for Android and iOS.

SMARTCONNECT

Your system 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 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 **teambmpro.com/products/smartconnect**

BLEXTENDER

Your system is compatible with BMPRO's BLExtender.

The BLExtender is a Bluetooth range extender, designed to allow you to use your SmartConnect Bluetooth sensors from every corner of your RV without worrying about losing Bluetooth signal.

For more details, refer to **teambmpro.com/products/bluetooth-range-extender**

ADDITIONAL MOTOR CONTROL

Your system supports additional motor control.

For more information about additional motor control, contact Jayco.

DESCRIPTION OF PARTS

DISPLAY (MODEL DEPENDENT)

Settings
Pair Device — Pair — OK
Advanced
Temp. Unit
D-SW 1.2

ALL INTERIOR LIGHTS
ALL EXTERIOR LIGHTS
INTERIOR & EXTERIOR
WATER PUMP
MAIN A/C

1. **Page Navigation Button**
   Move between function screens, eg. From Tanks to Water screen.

2. **Menu Navigation Button**
   Navigate between items within a page, e.g. in the Water page move from Pump to Elec Heater.

3-4. **Action Buttons**
   The function for each of the action buttons changes depending on the selected menu item. These functions will be displayed on the screen, eg. OK, EXT, RET, On, Off.

5. **Redundancy Buttons**
   Turn lights and water pump on or off. The climate button takes you to the main climate page.

Adjusting the Lights

QUICK press toggles between off and the previous stored brightness.

LONG press sets the light brightness to 100%.

DISPLAY NAVIGATION (MODEL DEPENDENT)

Use the Page Navigation Button ⊞ to move from page to page.

Use the Menu Navigation Button ⒮ to move between menu items within a page.
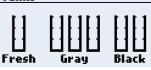
Tanks

The Tanks display shows the levels of fresh, gray and black water tanks. Levels are displayed as:

FULL
2/3 FULL
1/3 FULL
EMPTY

Water

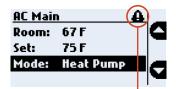From the Water screen, the Pump, the Electric and Gas Heaters can be switched on and off.

NOTE: A warning will appear if the Gas Heater fails to ignite after three attempts.

Motor

Press the EXT or RET Action buttons to control the motors.

This menu list is RV model dependent.

Climate

Room: The ambient room temperature.
Set: User-controlled temperature setting.
Range: 33ºF – 90ºF (1ºC to 32ºC)
Modes: Off / Fan / Cool / Auto-Cool / heat PUMP / FURNACE / HEAT-BOTH
Fan: Settings: HIGH / LOW
AC Controls are RV model dependent.

NOTE: This indicates a fault with one of the climate outputs or the temperature sensor. A sensor fault is also indicated by no room temperature value being shown, eg. -- F

AC Main
Room: 67 F
Set: 75 F
Mode: Furnace
AC-Fan: Off

If **Furnace Mode** is selected, the AC-Fan option displays.

AC-Fan: Settings: OFF / LOW

Energy
Generator

Energy

ON: Press and hold the **ON** action button, until the generator turns on.
OFF: Press and hold the **OFF** action button, until the generator turns off.

NOTE: A generator warning will appear if the generator fault LED is actively blinking.

Settings
Pair Device   Pair
Advanced
Temp. Unit
D-SW 1.2

Settings

Pair Device: Press **OK** to pair to a device.
Advanced: Press **OK** to go to the Advanced menu.
Temp. Unit: Toggle between Fahrenheit & Celsius.
D-SW: Indicates the software version on the Display.

Advanced
Forget All Dv
Pair Switch
Forget All Sw
SW 99.99.99

Advanced

Forget All Dv: Forget ALL Bluetooth Devices.
Pair Switch: Pair BLE Switches.
Forget All Sw: Forget all BLE Switches.
SW: Node software version.

CONTROLLER (MODEL DEPENDENT)

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 screen.

5. **Main Screen Button**
   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, vertically insert an item (eg. a paper clip) into the reset pinhole.

> The item must be inserted vertically as the reset hole is in a plastic housing.

8. **Control Panel (Model Dependent)**
   To provide quick access to lights, water pump and motor operation while the Controller is in use.

   Any button press on the Control Panel will turn the tablet on if it has turned off.

9. Lights (Model Dependent)

Turn lights and water pumps on/off:

① All Interior Lights

② All Exterior Lights

③ All Lights

④ or WP Water Pump Control

Adjusting the Lights

QUICK press toggles between off and the previous stored brightness.

LONG press sets the light brightness to 100%.

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10. Motor Operation (Model Dependent)

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

> The EXT and RET buttons are also used during the pairing process between the Node and devices such as the Controller and smartphone.

11. & 13. Navigation Buttons (Model Dependent)

Use navigation buttons to scroll through the Control Panel menu functions

For more information on available functions, refer to the **Control Panel Menu Functions** section.

12. Menu Display (Model Dependent)

Displays the current menu function.

CONTROL PANEL MENU FUNCTIONS (MODEL DEPENDENT)

The menu functions on the Controller's 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 with a Controller** and **FAQs and Troubleshooting**.

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 (Model Dependent)

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 TO THE NODE WITH A DISPLAY (MODEL DEPENDENT)

Pairing your smartphone to the Node is simple. The App will guide you through the process.

The Node can be paired to a total of four devices.

1. Launch the App on your phone and choose the device installed in your RV
2. Press the Page Navigation Button 🖳 to navigate to the Settings page.
3. When "Pair Device" is highlighted, press the **OK** function button and your smartphone will begin pairing to the Node.

When your smartphone is paired with the Node, the Bluetooth icon is displayed on the App home screen.

CONGRATULATIONS, YOU'RE CONNECTED!

For additional support, refer to the **FAQs and Troubleshooting** section.

PAIRING TO THE NODE WITH A CONTROLLER (MODEL DEPENDENT)

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

> 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 > buttons 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.

⚠ **WARNING**

Only press the **EXT** button once, do not hold the button down. Holding the button down for too long may cause all devices to unpair from the Node.

4. When pairing is successful, you will be taken to the App home screen and the Bluetooth icon will be visible.

CONGRATULATIONS, YOU'RE CONNECTED!

For additional support, refer to the **FAQs and Troubleshooting** section.

Cannot Pair to the Node

If you are pairing a mobile device to the Node and pairing fails, or "--" 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.

BMPRO CLOUD (MODEL DEPENDENT)

You can only connect to the BMPRO Cloud if your RV is equipped with a Controller.

Systems with a Controller have cloud control, which allows you to remotely connect, monitor and control your RV from your smart device.

CONNECTING 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.
3. From the App home screen, press the Settings icon. ⚙
4. Press **Remote Connection.**
5. Press **Create account.**

6. 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!

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

Account Not Verified

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

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

Forgot Your Password

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

CLOUD CONTROL

To control your RV from the cloud:

1. Launch the App on your smart device.
2. Press **Log in to BMPRO Cloud**, or in General Settings, press **Remote Connection.**
3. Enter your email address and password.

Use cloud control to remotely monitor and control features in your RV.

For your safety and for the prevention of unintentional damage, the leveling, motor controls and the water pump ON switch can not be controlled from the cloud.

DELETING A CLOUD ACCOUNT

If you want to delete your BMPRO cloud account:

1. From the App home screen, press the Settings icon. ⚙
2. Press **Remote Connection.**
3. Press **Delete Account.**
4. In the pop-up, enter your password.
5. Press **Delete Account.**

Your BMPRO cloud account will be deleted. If you want to control your RV from the cloud again, you will need to create a new BMPRO cloud account.

> You can only set up Winegard if your RV is equipped with a Controller.

To set up Winegard:

1. From the App home screen, press the Settings icon. ⚙
2. Press **Winegard Settings**.

Logging into the Winegard network

1. Press the search button to search for the available networks.
2. 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.
3. After the network name and password are entered correctly, press **Join**.

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.

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

To log in to a WiFi network:

1. Press the Search button for a list of available networks and select your 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 **Join.**

Save and/or forget WiFi Network

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

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

THE APP

Download the **JAYCOMMAND/TravelLINK powered by BMPRO** app to your smartphone or tablet and enjoy the freedom to monitor and control the onboard features of your RV remotely.

If your system has a Display, the App allows you to access more features of your connected RV that otherwise may not be available.

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

The App is compatible with Android 8.0 or later and iOS 11 or later.

Available on the App Store

ANDROID APP ON Google play

SIDEBAR

A sidebar provides easy navigation to all the main screens of the App.

The Home screen, which provides a general overview of the key features of your RV.

The Tanks screen, which allows you to control connected pumps and heaters.

The Motors screen, which allows you to control motors and leveling systems.

The Climate screen, which allows you to control the temperature inside your RV.

The Lights screen, which allows you to control lights inside your RV.

The Sensors screen, which allows you to view and configure connected SmartConnect sensors.

For more information on SmartConnect sensors, refer to the **SmartConnect user manual.**

The Energy Center screen, which allows you to monitor energy usage.

APP HOME SCREEN

The App home screen provides a general overview of the key features of your RV. It also provides a quick, direct way to control specific RV lights, the RV's climate system, and if your RV supports it, access to the Quick Start feature for help organising your adventures.
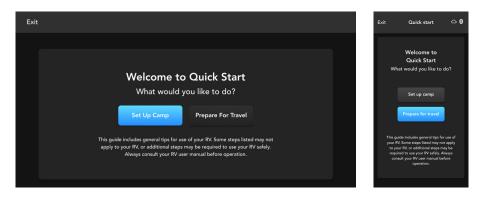

QUICK START (MODEL DEPENDENT)

The Quick Start feature is designed to make it as easy as possible to set up your RV and ensure everything is on and working properly once you have arrived at a destination.

Quick Start is also able to guide you through the pack-up sequence and turn things off once you are ready to continue travelling.

> You cannot access the Quick Start feature if you are connected through the Cloud.

To access the Quick Start feature, press **Quick Start** on the App home screen.

Set Up Camp

Press **Set Up Camp** from the Quick Start screen if you have arrived at your destination. You will be taken through a checklist, providing you with information on how to best set up camp.
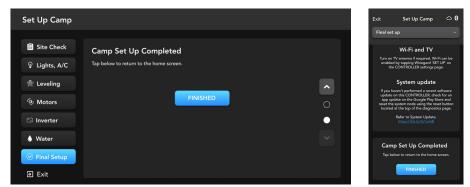

Use the buttons on each page to navigate through each step.

The checklist will allow you to ctivate or deactivate your lights, climate control, leveling, slides, awnings, inverter and pumps directly, without needing to go to other pages within the App.
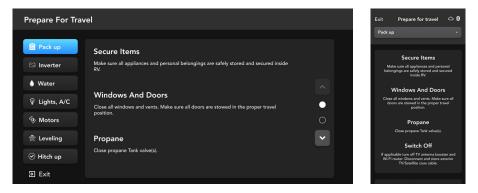

Once the guide is finished, press **Complete** to return to the App home screen.

Prepare For Travel

Press **Prepare For Travel** when you are getting ready to continue travelling. You will be taken through a checklist, providing you with information on how to best pack up and get ready for travelling.
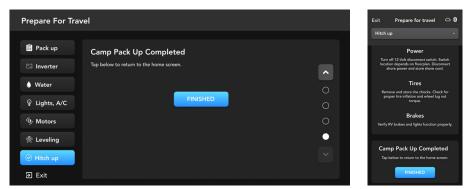

Use the buttons on each page to navigate through each step.

The checklist will allow you to activate or deactivate your lights, climate control, leveling, slides, awnings, inverter and pumps directly, without needing to go to other pages within the App.

Once the guide is finished, press **Complete** to return to the App home screen.

TANKS SCREEN

You can control the water pump, electric heaters, 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.
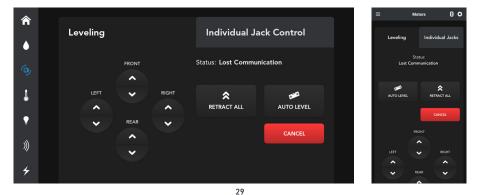

MOTORS SCREEN

The Motors screen allows you to control the Slide-outs, Awnings, Landing Legs and Jacks. It contains controls for certain Leveling Systems installed in the RV.

All Jayco-approved leveling systems are compatible.

⚠ **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 leveller can be controlled from the Controller (model dependent) or your smartphone.

Individual jack controls and zero point calibration are also available on some models.

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**.

⚠ **Error**

Jack left front out of stroke
Retract jack to clear. Move RV to level ground or provide blocking under jack.

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.

Motor Lockout Feature

> The motor lockout feature is only available if your RV is equipped with a Controller.

Systems with a Controller will automatically lock out one or all of the motors if either of the following conditions are met:

1. All motors are disabled: If 12V are detected on pin 64 (Brake High Input), the motors will be disabled, motor controls will be greyed out and a pop-up message will appear.

   The pin 64 wire is connected to the turn signals and brake lights on the 7-way plug to the tow vehicle. Whenever a turn signal is activated or a hard brake is detected, the system will shut down and lock the motors to prevent operation.

   Motors can be re-enabled by:

   - Pressing any of the light buttons below the touch screen on the Controller.
   - Pressing any of the keys on the outside leveling touchpad if a compatible leveling controller is installed.

2. Slides will not retract: If a potential crush hazard could occur when a specific slide is retracted, an an (i) will appear next to Slides with a pop-up message relating to the lockout.

   Check around the slide for a door that should be opened or closed to prevent the slide from crushing it.

CLIMATE SCREEN

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

Additional ACs can be configured by scrolling down from the Main AC.

Choose from Cool, Cool Auto or Heat to adjust the temperature between 33°F – 90°F (1°C – 32°C).

If a fault is detected, a fault icon will appear. For more information, refer to the section **Diagnostics.**

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 running.

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

Fan

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

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 the 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.

LIGHTS SCREEN

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

ENERGY CENTER

The Energy Center screen allows you to monitor energy usage within your system.

BATTERY AND FUEL

The Battery and Fuel section allows you to monitor RV voltages, chassis voltages and fuel levels.

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.

Fuel levels are monitored and displayed in 8 levels.

A warning is displayed if the fuel level is empty.

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

GENERATOR (MODEL DEPENDENT)

Using the Generator over Bluetooth

To turn on the generator using Bluetooth, 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.

Using the Generator over the Cloud (Model Dependent)

To turn on the generator over the cloud, 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 section in the App indicates a fault:

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

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

Generator Lockout (Model Dependent)

The generator will be automatically locked out if a high input is detected on the brakes. This will be shown on the Node 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 leveller.

AUTOMATIC GENERATOR START

You can keep your battery and climate levels steady by using Automatic Generator Start (AGS).
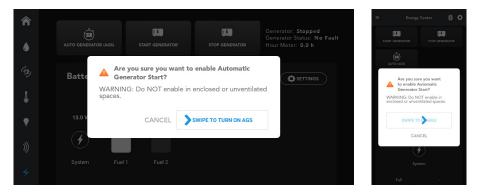
AGS will keep your levels steady by automatically turning your generator on or off.

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

If AGS is enabled, the App will attempt to start the generator a total of four times to try and keep levels steady.
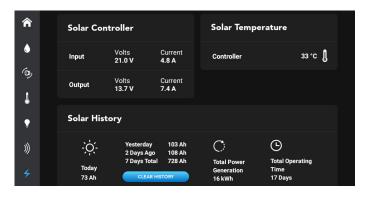
If there are four failed starts, the App will stop attempting to start the generator.

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

SOLAR CONTROLLER

When solar is connected to a compatible RV-C controller, the Energy Center screen will display the Solar Controller section, allowing you to view the status of any connected solar panels.

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

This 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.

INVERTER (MODEL DEPENDENT)

When an RV-C-enabled inverter is connected to the system, the Energy Center screen will display the inverter section, allowing you to view the status of the inverter.

The Inverter section will display the current inverter status, output power, battery current draw and the DC voltage at the inverter.
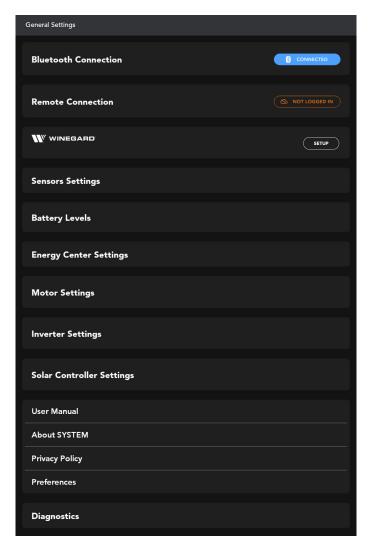
Inverter States

The inverter will cycle through different states depending on what it is doing.

- **Inverting:** The inverter is on and is providing electricity to connected wall outlets and appliances using inverted battery power.
- **Shore/Gen Power:** The inverter is on but is idle, as connected wall outlets and appliances are already powered by a shore connection or generator.
- **Off:** The inverter is off.
- **Starting:** The inverter has been turned on and is starting.
- **Stopping:** The inverter has been turned off and is stopping.
- **Not connected:** The inverter is not communicating.

If the inverter status shows it is not connected when it should be, make sure both the inverter connection to the trailer battery and the inverter data cable are connected properly.

GENERAL SETTINGS

General Settings may be accessed by pressing the Settings icon in the App home screen.

From General Settings, you can:

- ▣ Check the **Bluetooth Connection** between the Node and your smartphone.
- ▣ Establish a **Remote Connection** to the BMPRO Cloud.
  For more information, refer to the section **Cloud Control**.
- ▣ Enter the **Winegard** network name and password to connect to the internet (model dependent).
  For more information, refer to the section **Winegard**.
- ▣ Set **Sensors Settings**, allowing for the setting of tire pressure sensor underpressure and over-temperature limits, and the toggling of sensors on and off.
  For more information, refer to the section **Sensor Settings.**
- ▣ Check the wireless **Battery Levels** of any installed Switch.
  For more information, refer to the section **Checking the Battery in Your Switch.**
- ▣ Set **Motor Settings**, which depending on the level of controller installed, can be used to set zero-point calibration (model dependent).
  For more information, refer to the section **Motor Settings**.
- ▣ View **Inverter Settings**.
  For more information, refer to the section **Inverter Settings**.
- ▣ View **Energy Center Settings**.
  For more information, refer to the section **Energy Center Settings**.
- ▣ View **Solar Controller Settings**.
  For more information, refer to the section **Solar Controller Settings.**
- ▣ Access a digital version of the **User Manual**.
- ▣ View information **About SYSTEM**: all about the system, Node Firmware version, App version, etc.
- ▣ View the BMPRO **Privacy Policy**.
- ▣ Set your **Preferences** for measurement units and notifications.
  For more information, refer to the section **Preferences.**
- ▣ View **Diagnostics**, showing any detected faults.
  For more information, refer to the section **Diagnostics.**

About SYSTEM

RV
Serial Number: FHF
Model: EAGLE 5TH WHEEL L/M/N/P
Floorplan: 1WA

NODE
Serial: A0000AA0000
Master-uC: 3.0.4
Slave-uC: 2.5
Product-Rev.: XXX
Hardware-Rev.: XXX
Floorplan IO Version: 12.08.01
BLE Protocol Version: 2.8.0

APP
Build Number: 17139
Version Number: v3.3.0
IO Version: 12.8.02

About SYSTEM

RV
Serial Number: H
Model: EAGLE 5TH L
Floorplan: 1PS

NODE
Serial: A0000AA0000
Master-uC: 2.5.3
Slave-uC: 2.3
Product-Rev.: XXX
Hardware-Rev.: XXX
Floorplan IO Version: 12.01.01
BLE Protocol Version: 2.5.0

APP
Build Number: 15852
Version Number: v3.0.0
IO Version: 12.1.01

CONTROLLER
SW: 0.4

About SYSTEM Screen

SENSOR SETTINGS

The Sensors Settings screen allows you to configure push notification warning limits for any connected tire and temperature SmartConnect sensors, and allows you to toggle the sensor displays on or off.

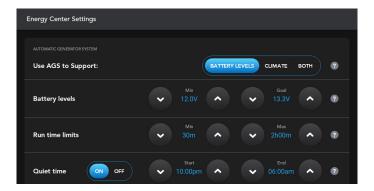For more information about SmartConnect sensors, refer to the **SmartConnect user manual.**

SmartConnect user manual QR code

ENERGY CENTER SETTINGS

Energy Center Settings can be used to adjust Automatic Generator Start usage.

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

Used to nominate the minimum battery voltage level which will automatically start battery charging from the generator. 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

Used to set the minimum time the generator will continue to run for after the target battery voltage and/or temperature is reached.

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

Quiet Time

Used to choose the hours when the generator will always be turned off, even if AGS has been enabled.

⚠ **WARNING**

If you are using Quiet Time, ensure that the time is correct on your RV. If the time is incorrect, there will be a pop-up with an error message.

For help setting the time, refer to **FAQs and Troubleshooting**.

MOTOR SETTINGS

If your model supports zero point leveling, you can use the Motor Settings screen to perform zero point calibration.

To access Motor Settings:

1. From the App home screen, press the Settings icon ⚙.
2. Press **Motor Settings**.

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

Zero Point Calibration
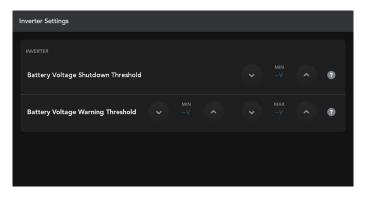Sequence help guide
QR code

Depending on the type of leveling system installed, the tongue jack may not be available.

INVERTER SETTINGS

The Inverter Settings screen is used to configure a connected inverter.

To access Inverter Settings:

1. From the App home screen, press the Settings icon ⚙.
2. Press **Inverter Settings**.

Battery Voltage Shutdown Threshold

Allows you to set the voltage threshold for when the inverter will enter "warning" mode, indicating low or high battery voltage.

This can be set between 10.5V and 11.0V, adjusted in increments of 0.1V.

Battery Voltage Warning Threshold

Allows you to set the voltage threshold for when the inverter will shut down to prevent the battery and itself.

The low warning threshold can be set between 10.5V and 11.0V, and the high warning threshold can be set between 14.0 and 15.5V, adjusted in increments of 0.1V.

SOLAR CONTROLLER SETTINGS

The Solar Controller Settings screen is 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**.

SOLAR CONTROLLER

Display Solar Controller	SHOW HIDE ?
Operating Status	ON OFF ?
Default State On Power Up	ON OFF ?
Battery Bank Size	SIZE 150 Ah ?
Battery Chemistry	AGM ?
Battery Temp Sensor Installed	YES NO ?
Serial Number	200512-0001

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.

UNIT PREFERENCES

To change temperature or pressure units, go to the settings menu on the App home screen and press **Preferences**.

From there, temperature units can be toggled between Fahrenheit and Celsius, and pressure units can be toggled between kPa and psi.

DIAGNOSTICS

The Diagnostics screen displays any detected faults in the system, and allows you to force reset the Node.

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

A red fault indicator will appear if a fault is detected on the lights, tank heaters, water heaters. water pumps, electric heaters, gas heaters or an inverter.

An orange fault indicator will appear on the gas water heater button if a fault is detected on the gas water heater output.

⚠ WARNING

Motor outputs do not indicate a warning if the wires are shorted.

Solar Controller Faults

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

The following types of faults will be displayed in the Diagnostics screen 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

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

Climate Faults

The Diagnostics screen will display any faults detected in the climate system.

The fault message will disappear from the Diagnostics screen once the fault has been externally cleared.

Inverter Faults

The Diagnostics screen will display any faults detected in the inverter.

The fault message will disappear from the Inverter screen once the fault has been externally cleared.

Resetting the Node

If the Node is not behaving correctly, you can force reset it.

To reset the Node:

1. From the App home screen, press the Settings icon ⚙.
2. Press **Diagnostics**.
3. Press **Reset NODE**.
4. In the pop-up, press **Confirm**.

The Node will now reset.

Diagnostics			
		Reset NODE	
CH 7 --		CH 8 --	
CH 1 --		CH 2 --	
CH 3 --		CH 4 --	
1 --		2 --	
3 --		4 --	
6 --		7 --	
8 --		9 --	
16 --		17 --	

Diagnostics	
Reset NODE	
CH 7	--
CH 8	--
CH 6	--
CH 1	--
CH 2	--
CH 3	--
CH 4	--
CH 5	--
1	--
2	--

VOICE CONTROL (MODEL DEPENDENT)

Selected sysems are compatible with Jayco's voice control system.

Once the voice control system has been installed in a central place in your RV, give it a command by saying "Jayco".

Below are a few examples of what you can do:

Jayco, all lights on!
All lights in your RV turn on.

Jayco, kitchen lights on!
Kitchen lights in your RV turn on.

Jayco, main A/C on!
The main A/C in the RV will turn on.

Jayco, movie mode!
Dimmable lights in your RV will be dimmed to 50%.

For more information about Jayco voice control, refer to the Jayco voice control manual.
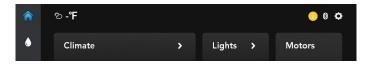
UPDATING FIRMWARE (MODEL DEPENDENT)

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 on your smartphone or Controller (depending on your model) will need to be updated regularly to receive the latest firmware.

Notifications to update the Node firmware may be received after updating the App. These may not be postponed and may start automatically. While the Node is powered, update the Node at the prompt to ensure that the Node is compatible with the App.

> The App will only check the Node's firmware version if your RV is equipped with a Controller.
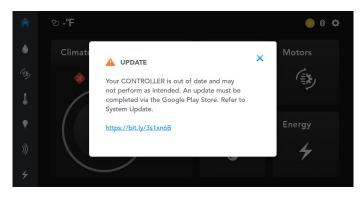
If a Controller is part of your system, the Node will check the app revision that is installed on the Controller.

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.

To update the firmware:

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

SWITCH (MODEL DEPENDENT)

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

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

If a Switch isn't responding, it may need to be re-paired. Refer to **FAQs and Troubleshooting** for more information.

CHECKING THE BATTERY IN YOUR SWITCH

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

To check if the battery needs replacing:

1. From the App home screen, press the Settings icon ⚙
2. Press **Battery Levels.**
3. Press any button on the Switch you are checking.

Once the button has been pressed, the App will refresh with the Switch battery status.

LOW indicates 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.

FAQS AND TROUBLESHOOTING

PAIRING WITH THE NODE

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

If pairing fails, before you attempt to pair your smartphone again:

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

I tried pairing my phone to the Node but the Display failed?

If your system has a Display, and the Display failed 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 devices and try again.

Alternatively, clear all previously paired devices and pair your smartphone and the Display again.

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

If your system has a Controller, and 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 devices and try again.

Alternatively, clear all previously paired devices and pair your smartphone and the Controller again.

How do I unpair the Node from my device?

1. From the App home screen, press the Settings icon ⚙.
2. Press **Bluetooth Connection**.
3. Press **Unpair RV**.

If you have a Controller installed in your RV, you can also clear the Node's memory of all paired devices.

> ⚠ **WARNING**
>
> Clearing the Node memory will also clear the pairing between the Node and Controller. After clearing, the Controller will need to be paired to the Node again.

4. Navigate to the **PA** function on the Controller display.
5. Press and hold **EXT** for about 10 seconds until the number 1 scrolls across the Controller display.

The Node is now clear of all connected devices.

6. Pair the Controller and your device to the Node again.

Refer to **Pairing to the Node with a Controller.**

APP

How do I update the App on my smartphone?

Most smartphones allow automatic updates.

To confirm your App is up-to-date, try the following:

1. Verify the mobile network or WiFi connection on your smartphone.
2. Launch your App store app. (Google Play Store or Apple App Store)
3. Search for the **JAYCOMMAND/TravelLINK powered by BMPRO** app.
4. Verify there is no option to update. If the option to update is available, press **Update** and allow the App to download and install on your device.

How do I update the App on my Controller?

If your system has a Controller, it 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.

CONTROLLER (MODEL DEPENDENT)

How do I create a Google Account on my Controller?

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

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

If your system has a Controller, and you need to change the date and time:

1. At the bottom of the screen, tap the main screen button ⬤ to return to the Controller's main Android screen.
2. Press the Settings button.
3. Press Systems.
4. Press Date & Time.
5. Press Set Date.
6. Select the date.

> Ensure the correct year is set. The year can be changed by tapping the year in the top left of the calendar.

7. Press Set Time.
8. Select the current time.

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.

SWITCH (MODEL DEPENDENT)

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.

The instructions are different depending on if you have a Display or a Controller as part of your system.

If you have a **Display**:

1. Using the ⊡ button on the Display, navigate to the **Settings** menu.
2. Using the **SEL** button on the Display, navigate down to **Advanced**.
3. In the **Advanced** setting menu, use the **SEL** button to navigate down to **Pair Switch**.
4. Press the **OK** action button to put the node into Switch pairing mode.
5. While in paring mode, press any TWO buttons at the SAME TIME on the switch you want to pair.

If you have a **Controller**:

1. Using the **< >** buttons on the Controller, navigate to the **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.

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.

APPENDICES

SPECIFICATIONS

NODE	
Input Voltage Range	8V to15V DC
Ambient Temperature	-4°F to 140°F (-20°C to 60°C)
IP Rating	IP20
Approvals	FCC 47 CR15, 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	
Input Voltage Range	8V to15V DC
Ambient Temperature	-4°F to 140°F (-20°C to 60°C)
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

DISPLAY	
Input Voltage Range	8V to15V DC
Ambient Temperature	-4°F to 140°F (-20°C to 60°C)
IP Rating	IP40
Approvals	FCC 47 CR15, 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	
Input Battery	2.2V to 3.0V CR2032
IP Rating	IP40
Lithium Battery Type	CR2477
Battery Voltage	3V
Approvals	FCC 47 CFR 15, 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 **teambmpro.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

Please contact your RV manufacturer for specific warranty period information.

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@teambmpro.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.

POWERING YOUR ADVENTURES.