BMPRO OWNER'S MANUAL

SMARTCONNECT

COMPATIBLE WITH

ODYSSEY

JHUB

RVMASTER

JAYCOMMAND TravelLINK

BMPRO CONNECT

TEAMBMPRO.COM

SAFETY PRECAUTIONS

Please read the Safety Precautions before installing or using SmartConnect products. 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.

⚠ WARNING
Do not ingest the coin/button cell battery contained within this product any circumstances. Swallowing this type of battery can lead to severe internal burns within just 2 hours, potentially resulting in death. It is crucial to keep both new and used batteries out of reach of children. If any battery compartment of this product does not close securely, cease usage immediately and ensure it is kept away from children. In the event that you suspect a battery may have been swallowed or inserted into any part of the body, seek immediate medical attention.
Only install the SmartSense gas cylinder/propane gas sensor as described in this manual. No field assembly is required. The sync process to the app on your smart display, as described below, should occur in an area clearly out of any explosive atmosphere.
SmartSense is not intended for repair or maintenance, other than changing the battery per subsequent sections of this manual. Any modification of the SmartSense may result in an unsafe condition.
Do not use SmartSense for any other application, other environment, or in any other manner than as stated in this manual. Any misuse may result in an unsafe condition.
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.

⚠ WARNING

⚠	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.

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BMPRO

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Proudly designed in Melbourne by BMPRO, one of Australia's leading power solution experts. Our range represents high-quality products that will provide years of service.

DISCLAIMER: BMPRO accepts no liability for any loss or damage which may occur from the improper or unsafe use of its products. Warranty is only valid if the unit has not been modified or misused by the customer.

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ABOUT SMARTCONNECT

SmartConnect is a range of Bluetooth sensors which can be paired to your BMPRO smart system to monitor your tyre pressures, gas propane levels and temperatures.

SmartConnect allows the use of a single app to provide you with accurate information on the status of critical functions of your caravan or RV.

SmartConnect can be integrated with BMPRO smart control and monitoring systems, such as JHub, Odyssey, JAYCOMMAND, TravelLINK, RVMaster and BMPRO Connect.

SmartConnect sensors can also be used with the BMPRO ProSmart system. For more information, refer to the **ProSmart manual.**

- Install a SmartPressure sensor on your tyres to constantly monitor tyre pressure and immediately detect a leak.
- Attach a SmartSense sensor to your propane gas cylinders to quickly determine how much gas you have available.
- Place a SmartTemp sensor anywhere to monitor temperatures from your monitoring system.

COMPATIBLE SYSTEMS

SmartConnect is fully integrated into BMPRO's entire suite of smart systems.

JHUB

ODYSSEY

JAYCOMMAND TravelLINK

RVMASTER

BMPRO CONNECT

All SmartConnect functions are accessible through the app you use for your particular smart system.

Once you have paired your SmartConnect sensors to your system, you will be able to view information from the sensors directly on your app.

All BMPRO smart system apps are available at the Apple App Store or Google Play Store.

All app images in this manual are generic. Graphics and colours will vary depending on what smart system you are using.

SMARTCONNECT RANGE

SMARTPRESSURE

SmartPressure Sensor

The SmartPressure Tyre Pressure Monitoring System (TPMS) allows the pairing and monitoring of your tyres through your smart system.

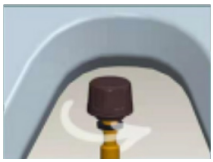
The SmartPressure sensor will transmit every 10 minutes when the tyre is stationary and every minute when in motion.

INSTALLING SMARTPRESSURE SENSORS

SmartPressure sensors can be installed by following the below instructions:

1. Install the anti-theft nut.
2. Tighten the sensor.

3. Screw the anti-tamper ring anti-clockwise to lock the sensor.
4. Use a wrench to tighten the anti-theft nut.

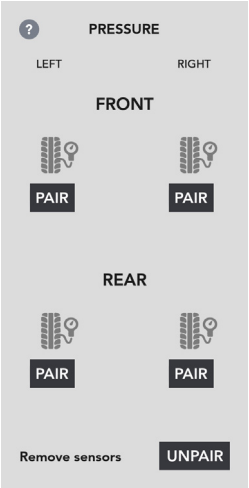


SmartPressure sensors transmit more rapidly when a pressure change occurs or when in motion. The best time to pair the sensor is when it has just been installed onto the tyre.

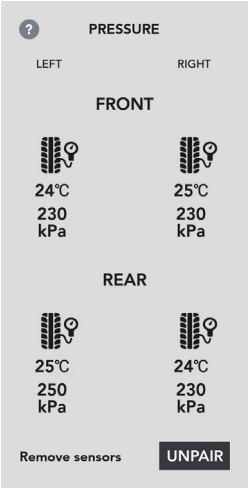
PAIRING SMARTPRESSURE SENSORS

To pair SmartPressure sensors:

1. Go to the screen where tyre pressure is displayed.
2. Press the **Pair** button at the location where you want to install it.



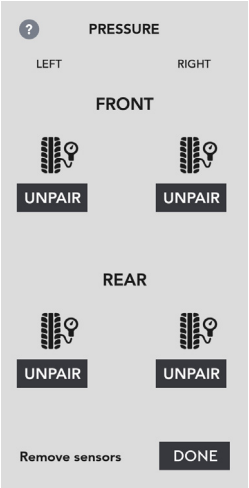
3. After pressing the Pair button, install the pressure sensor on the same selected tyre. Refer to the **Installing SmartPressure Sensors** section.
4. If pairing is successful, the pressure and temperature of the tyre will be displayed.



UNPAIRING SMARTPRESSURE SENSORS

To unpair SmartPressure sensors:

1. Press the **Unpair** button for the tyre you want to unpair.
2. Press **Done** to confirm.



SMARTPRESSURE TROUBLESHOOTING

SmartPressure Pairing Unsuccessful

If pairing was unsuccessful, a notification message will appear.

Press **Try Again** to restart the process.

If the sensor fails to pair after several attempts, refer to the **Battery Replacement** section to check the battery status of the sensor and for instructions on battery replacement.

Pressure Signal Not Detected

If a SmartPressure sensor is paired, and a valid pressure signal is not detected, the pressure will show as "--".

In this situation:

- Wait for the sensor to send the information
- Check if the sensor is installed correctly
- Check the sensor battery status.

Sensor Not Constantly Transmitting

The SmartPressure sensor transmits once every ten minutes when stationary and once every minute while in motion.

When moving from stationary to in motion, it may take up to two minutes for the SmartPressure sensor to begin transmitting more frequently.

Leak in Tyre

The SmartPressure sensor will transmit at a faster rate if a leak in the tyre is detected.

SMARTCONNECT RANGE

SMARTSENSE

The SmartSense propane gas sensor allows you to directly monitor the levels of gas in a gas cylinder through your smart system.

SmartSense
Propane Gas Sensor

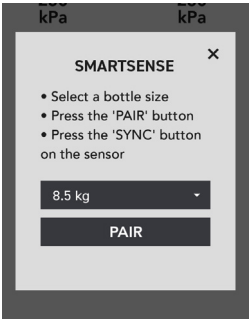
PAIRING SMARTSENSE SENSORS

The SmartSense sensor must be paired before it can be installed onto the gas tank.

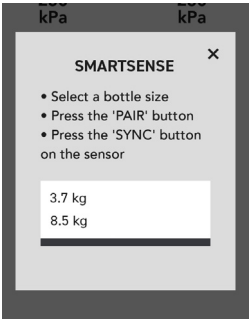
To pair SmartSense sensors:

1. Go to the screen where the gas tank levels are displayed.
2. Press the **Add** button.

3. A notification will appear with instructions on how to pair the SmartSense sensor.

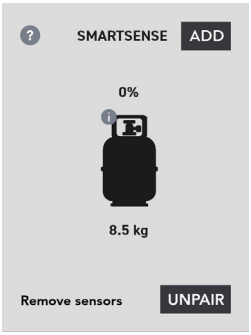


4. Select the bottle size.



5. Press the **Pair** button.
6. Press the orange sync button on the propane sensor 6 times. This permanently disables Sleep Mode, which is the factory setting. After the first use, only a single press is required to resync or connect a new device.

7. The gas bottle will then appear on the SmartConnect page.



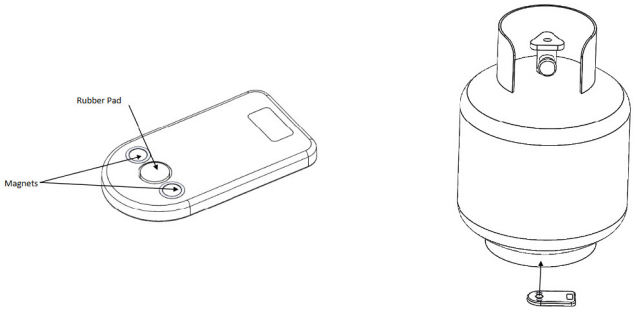
⚠ WARNING

Once SmartSense is synced to your smart display, the sensor will operate continually until the battery is removed or changed. The device will then operate continually until the battery is otherwise removed or changed. There is no "power off" mode. Once operational, the sensor may be moved, repositioned, or removed as needed, without any special instruction or changes to the sensor.

INSTALLING SMARTSENSE SENSORS

Once the SmartSense sensor is paired, it can be installed by following the below instructions:

1. On the propane gas tank, ensure the base is clean. Remove any debris, excess paint or rust.
2. Using the supplied grease, apply a generous amount to the rubber pads on the back of the sensor.
3. The sensor mounts to the base of the tank using magnets. The rubber pad between the magnets must make good contact with the tank, with no contaminants in between and must be aligned to the center of the tank.



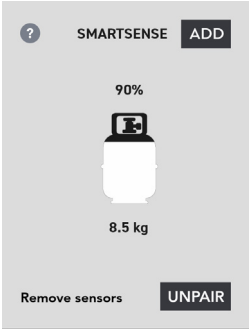
Installing SmartSense Sensors

4. Return the tank to its upright position.

Ensure the tank is on a flat and level surface, or is otherwise level with ground. Even a slight tilt can degrade the quality of the measurement. The propane will settle and the readings will stabilise.

The propane could take a couple of minutes to settle.

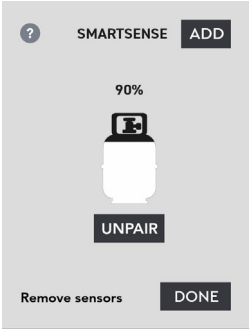
Once paired and installed, the app will show the level of gas in the tank.



UNPAIRING SMARTSENSE SENSORS

To unpair SmartSense sensors:

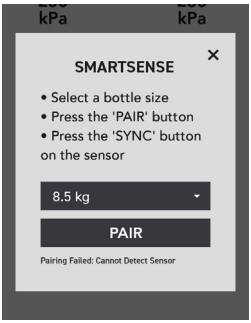
1. Press the **Unpair** button for the sensor you want to unpair.
2. Press **Done** to confirm.



SMARTSENSE TROUBLESHOOTING

SmartSense Pairing Unsuccessful

If pairing was unsuccessful, a message will appear stating **Pairing Failed: Cannot Detect Sensor**.



If the SmartSense sensor fails to pair:

- Move the propane tank and sensor closer to your phone or smart system.
- Check the sensor battery status.

If the sensor fails to pair after several attempts, refer to the **Battery Replacement** section to check the battery status of the sensor and for instructions on battery replacement.

SmartSense Sensor Reading Not Detected

If a valid reading is not received by the system, the tank will display "--".

In this situation:

- Quickly press the orange sync button on the sensor 6x times to wake it.
- Wait for the sensor to send the information
- Check the sensor battery status.
- Move the propane tank and sensor closer to your phone or smart system.

SMARTCONNECT RANGE

SMARTTEMP

The SmartTemp Bluetooth temperature sensors allow you to monitor temperatures using your smart system.

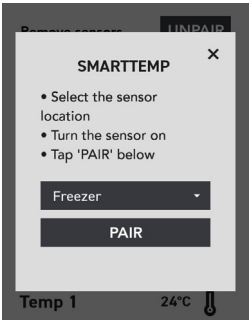
SmartTemp Sensor

PAIRING SMARTTEMP SENSORS

To pair SmartTemp sensors:

1. Go to the screen where temperatures are displayed.

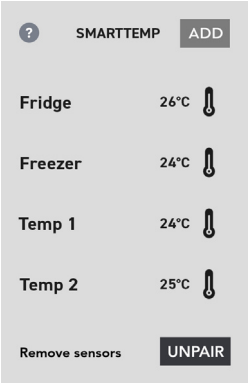
2. Press the **Add** button.
3. A pop-up will appear with pairing instructions. Select the desired sensor location.



4. A list will appear to select the temperature sensor location.
5. Turn on the SmartTemp sensor by pressing and hold the sensor power button until the light turns green.

If the light turns red, press and hold again until the light turns green.

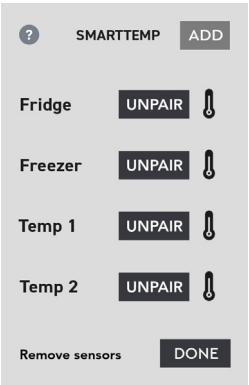
6. In the smart system app, press the **Pair** button.
7. After pairing is successful temperatures sensors will be listed and temperatures will be indicated.



UNPAIRING SMARTTEMP SENSORS

To unpair SmartTemp sensors:

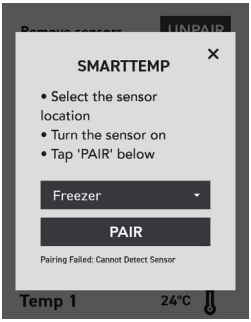
1. Press the **Unpair** button for the sensor you want to unpair.
2. Press **Done** to confirm.



SMARTTEMP TROUBLESHOOTING

SmartTemp Pairing Unsuccessful

If pairing unsuccessful a message will appear stating **Pairing Failed: Cannot Detect Sensor**.



Press **Pair** or **Retry** to attempt paring again.

If the sensor fails to pair after several attempts, refer to the **Battery Replacement** section to check the battery status of the sensor and for instructions on battery replacement.

SMARTCONNECT SETTINGS

Each SmartConnect sensor has settings which can be configured according to your needs, such as unit measurements and warning limit thresholds.

Refer to your specific system's manual for an overview of what settings are available for your SmartConnect sensors.

BATTERY REPLACEMENT

The monitoring system displays battery status information to help you know when you need to change the batteries of your SmartConnect devices.

To check if any SmartConnect sensor batteries need to be changed, go to your system's Settings menu and view battery levels.

For information on your system's Settings menu, refer to your specific system's manual.

In your system's battery levels menu, choose the SmartConnect sensor you want to check (SmartPressure, SmartSense, SmartTemp).

Under the selected sensor, the battery status will display either "Battery OK" or "Battery Low".

If "Battery Low" appears, the battery will need to be replaced.

REPLACING SMARTPRESSURE SENSOR BATTERIES

SmartPressure sensor batteries can be replaced by following the below instructions:

1. Remove the sensor.
2. Loosen the sensor housing with a wrench.

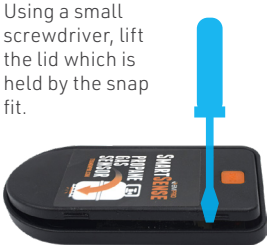
3. Open the outer case of the sensor.
4. Replace the CR1632 battery.

If you are replacing multiple SmartPressure batteries at once, take care not to mix them up to avoid installing the wrong sensor.

REPLACING SMARTSENSE SENSOR BATTERIES

SmartSense sensor batteries can be replaced by following the below instructions:

Using a small screwdriver, lift the lid which is held by the snap fit.



Carefully lift the board with the electronics. Replace the CR2032 battery.

Place the lid back into base and press down fully to re-engage all 4 snap fits.

Replacing SmartSense Sensor Batteries

REPLACING SMARTTEMP SENSOR BATTERIES

SmartTemp sensor batteries can be replaced by following the below instructions:

Using a screwdriver, twist the blade in the pry cavity to separate the two sides of the case.

Carefully lift the board with the electronics. Replace the CR2477 battery.

Align the shape of the PCB with the housing of the sensor.

Align the button on the PCB with the button on the base of sensor. Press the base down until it is locked.

Replacing SmartTemp Sensor Batteries

FAQS AND TROUBLESHOOTING

Need more help troubleshooting your SmartConnect products?

Refer to our website for more information at **teambmpro.com/technical-support**

What is the Bluetooth range of SmartConnect?

The Bluetooth within SmartConnect products have been tested and proven to work up to 20 metres in a direct line of sight.

This distance will vary depending upon circumstances and interference such as:

- The wall of a caravan.
- The transmission between the caravan and the tow vehicle.
- Construction methods.
- Placement of the product.
- The Bluetooth receiver of your device (including phones, tablets, smartwatches, etc).
- The environment.

SPECIFICATIONS

SMARTPRESSURE SENSOR	
Maximum Operating Pressure	99 PSI (680 kPA)
Frequency Range	2402-2480MHz
RF Output Power	-34.36dBm (EIRP)
Lithium Battery Type	CR1632
Battery Voltage	3V

SMARTSENSE SENSOR	
Temperature Measurement Range	1°C to 32°C (33°F to 90°F)
Frequency Range	2402 to 2480 MHz
RF Output Power	0.9 mW
Lithium Battery Type	CR2032
Battery Voltage	3V

SMARTTEMP SENSOR	
Operational Temperature	-20°C to 55°C (-4°F to 131°F)
Frequency Range	2402 to 2480 MHz
RF Output Power	1 mW
Lithium Battery Type	CR2477
Battery Voltage	3V

COMPLIANCE

This device complies with part 15 of the FCC Rules. 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 interference that may cause undesired operation.

Note: 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 energy and, 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: Any changes or modifications not expressly approved by BMPRO could void the user's authority to operate this equipment.

This device contains licence-exempt transmitter(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans 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.

This device is in compliance with the Radio Equipment Directive (2014/53/EU) of the European Union, and the Radio Equipment Regulation 2017 of the United Kingdom.

The full text of the UK and EU declaration of conformity is available at:

https://teambmpro.com/wp-content/uploads/rvtyr201-eu-and-uk-declaration-of-conformity.pdf

https://teambmpro.com/wp-content/uploads/rvtem201-eu-and-uk-declaration-of-conformity.pdf

https://teambmpro.com/wp-content/uploads/m1001-eu-declaration-of-conformity.pdf

For the following equipment:
Product Name: SmartPressure Sensor
Brand Name: BMPRO
Model No.: RVTYR201
Frequency Range: 2402-2480MHz
RF Output Power: -34.36dBm (EIRP)

For the following equipment:
Product Name: Propane Tank Sensor
Brand Name : BMPRO
Model Name: M1001
Frequency Range: 2402 - 2480 MHz
RF Output Power: 0.9 mW

For the following equipment:
Product Name: Temperature Sensor
Brand Name : BMPRO
Model Name: RVTEM201
Frequency Range: 2402 - 2480 MHz
RF Output Power: 1 mW

⚠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.

WARRANTY TERMS AND CONDITIONS (AUSTRALIA)

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty is provided by BMPRO Pty Ltd (59 646 354 127) ("BMPRO") for its products. Warranty benefits are applied along with any rights and remedies required by Australian State and Federal legislation that cannot be excluded. No part of this warranty excludes, restricts or modifies any State or Federal legislation relating to the supply of goods and services which cannot be excluded, restricted or modified.

Warranty

BMPRO warrants that the product will be free from any faults in materials and workmanship beginning from the original date of purchase under standard application, installation, use and service conditions, subject to the exclusions and limitations detailed below. The warranty period of the product is one year.

If, before the warranty period has ended, a fault occurs with the product and BMPRO finds the product is defective in materials or workmanship, BMPRO at its discretion will subject to further rights accorded by the Australian Consumer Law to either:

- Repair the defective product
- Replace the defective product
- Provide a refund to the purchaser for the price paid at purchase for the defective product.

Warranty Claims

Refer to your manual before using the product. Most BMPRO products are designed to be installed by a suitably qualified installer. The products should be carefully inspected by you or your installer before installation for any visible manufacturing faults. If a product has been installed incorrectly, BMPRO accepts no responsibility on top of our consumer guarantee obligations.

1. If a fault covered by warranty occurs, the purchaser must either contact the dealer where the product was purchased within 7 days, or BMPRO at the contact details listed.
2. All warranty claims must include: (a) proof of purchase of the product; (b) complete details of the alleged fault; (c) any relevant documentation related to the fault (such as photographs or maintenance records); (d) return material authorisation (RMA) number.
3. The product must be made available to BMPRO or its authorised installer for inspection and testing within 14 days of contacting BMPRO or the dealer.
4. The reasonable cost of delivery and installation of any products or components of products that have been repaired or replaced to the place of purchase notified to BMPRO is covered by the warranty provided by BMPRO, along with the reasonable costs of removal and return of any products determined by BMPRO to be defective.
5. If, on return to BMPRO or on investigation by BMRPO, inspection and testing determines there is no fault in the product, the purchaser must pay BMPRO's reasonable costs of testing and investigating the product, as well as transportation and shipping costs.

Register a Warranty or Repair with BMPRO

To register a warranty or repair with BMPRO:

1. Lodge a support request via teambmpro.com/technical-support or email customerservice@teambmpro.com
2. If agreed with the BMPRO Product Specialist team, register a warranty claim or repair via teambmpro.com/warranty-claim or email customerservice@teambmpro.com to obtain a Return Material Authorisation (RMA) number.
3. Package and send the product to the BMPRO Warranty Department. The BMPRO Product Specialist team will advise you where to send the product. Please mark RMA details on the outside of the packaging.
4. Ensure your package also includes a copy of the proof of purchase, a complete description of the fault and your contact details including phone number and return address.

Exclusions

This warranty will not be applicable where: (a) the product has been altered, modified or repaired by someone other than BMPRO, an authorised installer or a qualified auto electrician; (b) the product has not been installed properly by either the user or manufacturer; (c) BMPRO cannot establish a fault in the product after inspection and testing; (d) the product has been used for purposes other than that for which it was designed; (e) the fault in the product has occurred due to a failure by the purchaser to ensure proper use and maintenance of the product according to BMPRO's instructions, recommendations and specifications (including maintenance); (f) the product has been subjected to abnormal conditions, such as environmental, temperature, water, fire, humidity, pressure, stress or similar; (g) the fault has been caused by abuse, misuse, neglect or accident; (h) the fault has been caused by a power surge or other kind of fault in the supply of electricity; (i) unauthorised parts or accessories have been used on or in relation to the product; (j) the appearance of the Product has deteriorated; or (k) the fault is a result of common wear & tear.

Limitations

No express warranties or representations are made by BMPRO other than what is set out in this warranty. The absolute limit of BMPRO's liability under this express warranty is the repair or replacement of the product or part of the product.

Contact

BMPRO's contact details for warranty claims are:

Phone: (03) 9763 0962
Email: **customerservice@teambmpro.com**

Warranty Claim and Product Repair Form:
https://teambmpro.com/warranty-claim/

Registering your BMPRO product is an important step to ensure that you receive all the benefits you are entitled to.

Please complete the online registration form at **https://teambmpro.com/product-registration/** for your new product today.

LIMITED WARRANTY TERMS AND CONDITIONS (USA)

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

BMPRO warrants products against defects for a period of one year, 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@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.

BMPRO
customerservice@teambmpro.com
teambmpro.com