



OWNER'S MANUAL

SMARTCONNECT



COMPATIBLE WITH



ODYSSEY



JHUB



RVMASTER



JAYCOMMAND
TravelLINK

TEAMBMPRO.COM



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 and 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 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 battery. Chemical Burn Hazard.



This product contains a coin/button cell battery. If the coin/button battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside 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.

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MANUAL PART 037357
REV 2.0



Designed by **BM PRO**, one of Australia's leading power solution experts, the **BM PRO** product range is proudly Australian made in Melbourne and represent a high-quality product that will provide years of service.

DISCLAIMER: **BM PRO** 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 and RVMaster.

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.



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.

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

SMARTPRESSURE

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.



SmartPressure Sensor

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.

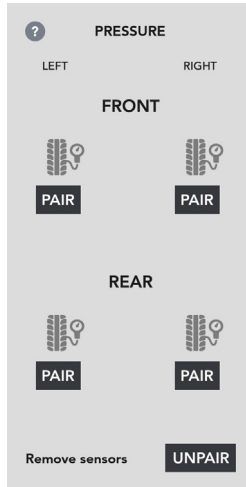


SmartPressure sensors transmit more rapidly when a pressure change occurs or when in motion. The best time to pair the sensor is when it has just been installed onto the tyre.

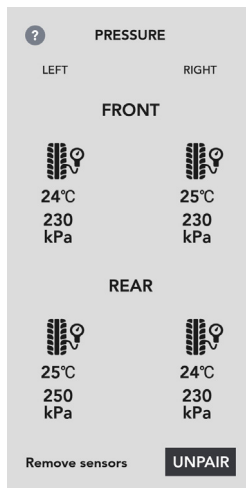
PAIRING SMARTPRESSURE SENSORS

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.



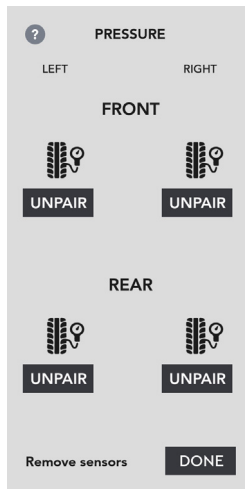
3. After pressing the Pair button, install the pressure sensor on the same selected tyre. Refer to the **Installing SmartPressure Sensors** section.
4. If pairing is successful, the pressure and temperature of the tyre will be displayed.



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.

SMARTSENSE

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

PAIRING SMARTSENSE SENSORS

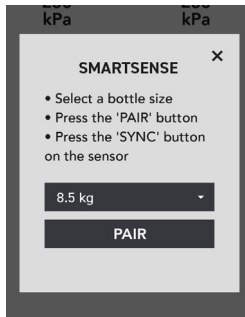
The SmartSense sensor must be paired before it can be installed onto the gas tank.

To pair SmartSense sensors:

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

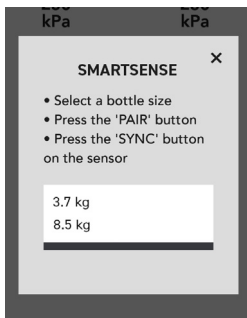


3. A notification will appear with instructions on how to pair the SmartSense sensor.



SmartSense
Propane Gas Sensor

4. Select the bottle size.

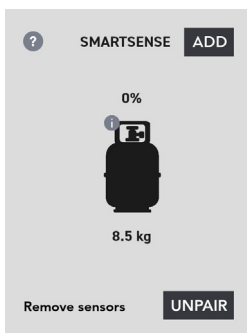


5. Press the **Pair** button.

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.



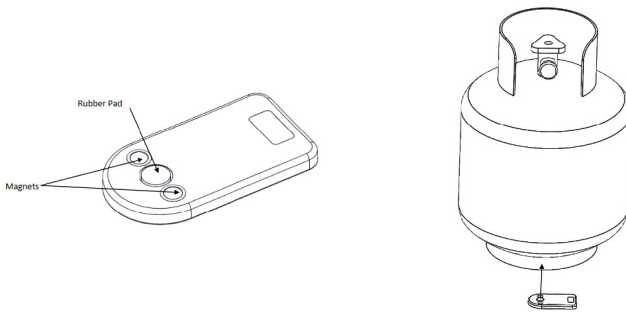
WARNING

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.



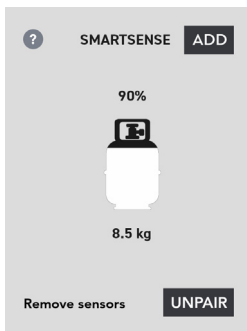
Installing SmartSense Sensors

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.

Note: The propane could take a couple of minutes to settle.

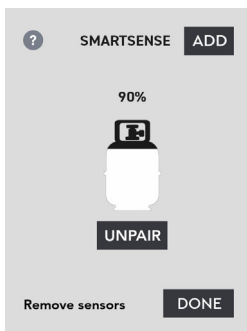
Once paired and installed, the app will show the level of gas in the tank.



UNPAIRING SMARTSENSE SENSORS

To unpair SmartSense sensors:

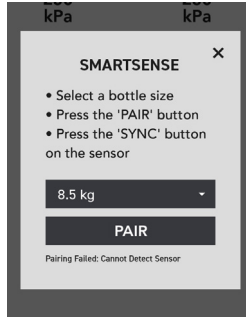
1. Press the **Unpair** button for the sensor you want to unpair.
2. Press **Done** to confirm.



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.

SMARTTEMP

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

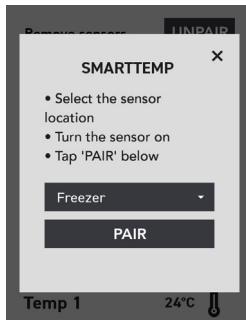
PAIRING SMARTTEMP SENSORS

To pair SmartTemp sensors:

1. Go to the screen where temperatures are displayed.
2. Press the **Add** button.

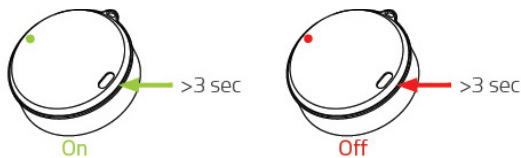


3. A pop-up will appear with pairing instructions. Select the desired sensor location.
4. A list will appear to select the temperature sensor location.



5. Turn on the SmartTemp sensor by pressing and hold the sensor power button until the light turns green.

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

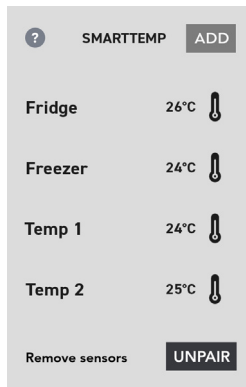


Turning on/off the SmartTemp sensor



SmartTemp Sensor

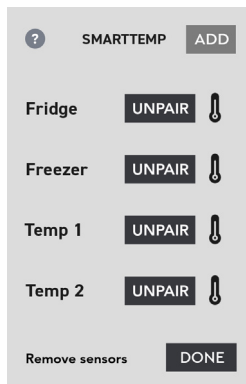
6. In the smart system app, press the **Pair** button.
7. After pairing is successful temperatures sensors will be listed and temperatures will be indicated.



UNPAIRING SMARTTEMP SENSORS

To unpair SmartTemp sensors:

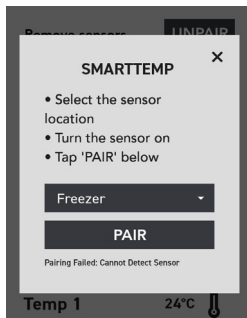
1. Press the **Unpair** button for the sensor you want to unpair.
2. Press **Done** to confirm.



SMARTTEMP TROUBLESHOOTING

SmartTemp Pairing Unsuccessful

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



Press **Pair** or **Retry** to attempt pairing 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.

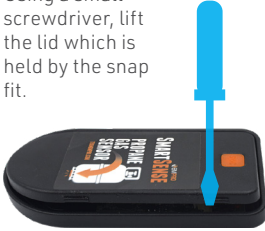


If you are replacing multiple SmartPressure batteries at once, take care not to mix them up to avoid installing the wrong sensor.

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)

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

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

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

WARRANTY TERMS AND CONDITIONS (AUSTRALIA)

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.

1. 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 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.
2. BMPRO warrants products against defects for a period of one year, commencing from the original date of purchase. Proof of purchase is required before you can make a claim under this warranty.

HOW TO PROTECT YOUR RIGHTS UNDER THIS WARRANTY:

3. 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, unauthorised repair, modification or alteration, natural disaster, corrosive environment, insect or vermin infestation and failure to comply with any additional instructions supplied with the product.
4. BMPRO may seek reimbursement of any costs incurred by BMPRO when a product is found to be in proper working order or damaged as a result of any of the warranty exclusions mentioned in point
5. To enquire or make a claim under this warranty, please follow these steps:
 - a) Prior to returning a BMPRO product, please email customerservice@teambmp.com to obtain a Return Material Authorisation (RMA) number
 - b) Package and send the product to:
BMPRO Warranty Department
19 Henderson Road
Knoxfield, VIC 3180
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.
6. BMPRO will not be liable for any costs, charges or expenses incurred in the process of returning a product in order to initiate a warranty claim.

LIMITED WARRANTY TERMS AND CONDITIONS (USA)

Registering your BMAPRO product is an important step to ensure that you receive all the benefits you are entitled to. Please visit teambpro.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 BMAPRO 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.
- BMAPRO 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.
- BMAPRO 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

BMAPRO 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 BMAPRO product, please email service@teambpro.com to obtain a Return Material Authorisation (RMA) number.

B. Package and send the product to:

**BMAPRO 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.



**TEAM
BMPRO
.COM**

BMPRO

customerservice@teambmpro.com

19 Henderson Rd, Knoxfield VIC 3180 Australia | Unit 1, 821 E Windsor Ave, Elkhart IN 46514 USA

teambmpro.com