iCheckTPMS

TYRE PRESSURE MONITORING SYSTEM

Tyre Pressure Monitoring System With App Control

Instruction Manual

IC004A/IC005A/IC006A/IC008A/IC010A



⚠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. If it is suspected a button/coin cell battery has been swallowed or placed inside any part of the body, seek medical attention immediately or contact the Australian Poisons Information Centre on 131126 for 24/7 fast expert advice.



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iCheckTPMS 4-in-1 Smart Monitoring System User Manual

Thank you for choosing iCheckTPMS, the world's first 4-in-1 smart monitoring system.

Using one smart monitor and the iCheckTPMS App, you can monitor up to 10 tyres, plus airbag suspension pressure, fridge temperature, and caravan wheel bearing and hub temperatures.

The slim, solar-powered monitor displays up to eight tyre pressures and temperatures simultaneously, with a bright screen and large digits for easy viewing. Real-time alerts help identify potential issues before they become costly repairs or safety hazards.

Designed with feedback from off-roaders, caravanners and customers, iCheckTPMS delivers practical, reliable monitoring for safer journeys.
Please read this manual before installation and operation to understand the system and ensure optimal performance.

1. iCheckTPMS Smart Technologies™

1-1. iCheckTPMS IntelliData™

Setting individual high and low pressure alarms for every tyre can be complicated and time-consuming. iCheckTPMS IntelliData™ makes it simple.

Install the sensors while the tyres are cold, and the system automatically uses the current pressure as its benchmark. A visual and audible alarm is triggered if the pressure:

- Rises by 25% above the benchmark
- Drops by 15% below the benchmark

No complicated alarm setup, simply install the sensors and you're ready to go.

1-2. iCheckTPMS Intelligent Off-Road Mode

When airing down or inflating your tyres, simply unscrew the sensors, adjust the tyre pressures, then screw the sensors back onto the tyre valves. The system automatically resets the benchmark to the new pressure.

Alerts will activate if the pressure rises by 25% or drops by 15% from the new benchmark, no manual alarm adjustments required. Clever, huh?

1-3. iCheckTPMS InstaData™

Many TPMS sensors enter sleep mode when the vehicle is stationary and only reactivate once the vehicle reaches a certain speed. This means a slow leak may not be detected until you are already on the road.

With iCheckTPMS InstaData™, the sensors transmit updated information to the monitor every five minutes, even while your vehicle is stationary. You can check your latest tyre pressure readings before leaving the driveway, helping you identify low pressure early and avoid an inconvenient roadside stop.
Complete Monitoring. Total Peace of Mind.

1-4. One System. One Monitor. One App.

The world's first 4-in-1 smart monitoring system brings essential vehicle and caravan information together in one place. Using a single monitor and the iCheckTPMS App, you can track:

- Tyre pressure and temperature
- Caravan wheel bearing and hub temperatures
- Airbag suspension pressure
- Fridge temperature

Everything you need to monitor your vehicle and caravan – all in real time through one smart system.

1-5. Designed In-House With Off-Roaders, For Off-Roaders

Developed in-house using feedback from off-roaders, travellers and caravanners, the lightweight iCheckTPMS monitor features a large, high-clarity display with bigger digits, showing your 4WD and caravan information together on one screen.

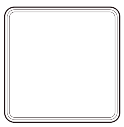
The screen remains clearly visible even when you’re wearing polarised sunglasses, while solar charging and the iCheckTPMS App add convenience and flexibility to every journey.

2. Product Accessories

2-1. Monitor And Accessories



LCD Monitor



Non Slip Pad

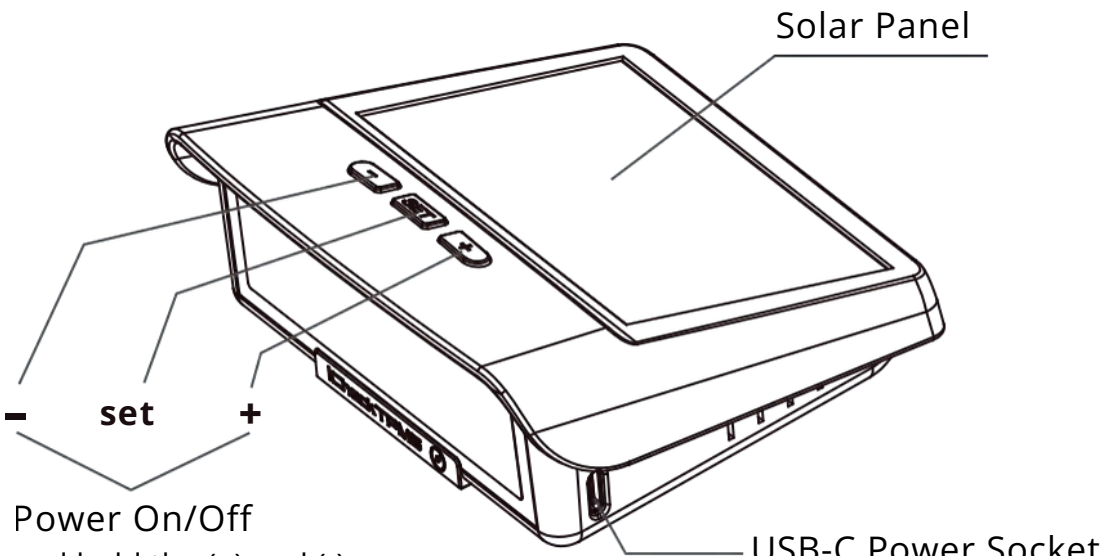


USB Power Cable



C Plug

2-2. Monitor Components And Icons



Power On/Off

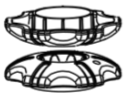
Press and hold the (+) and (-) buttons for 3 seconds.

Dimension (LxWxH): 84 X 66 X 23 mm

2-3. Sensor And Accessories



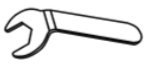
TPMS Sensor



Sensor Opening Tool



TPMS Rubber O-Ring



Lock Nut Spanner



Lock Nut



Rubber Dust Cover



AB Sensors (Optional)



AB Rubber O-Ring



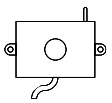
AB Wrench



FT Sensors (Optional)



BT Sensors (Optional)



Signal Booster (Optional)



Bag

Use this storage bag to securely store the supplied lock nuts, O-rings, sensor opening tool, spanner, and user manual.

3. iCheckTPMS App Features And Operation

Each iCheck Smart Monitor features a unique **Monitor ID** etched into the underside of the monitor. Select the matching **Monitor ID** in the iCheckTPMS App to complete the pairing process.

GET IT ON Google Play

Download on the App Store

Scan To Download





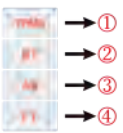







Wheel Bearing/Hub Temperature
Air Bag Pressure

Tap


①
②
③
④


①
②
③
④
TPMS
BT
AB
FT

3-1. Tyre Pressure And Temperature Setting



①



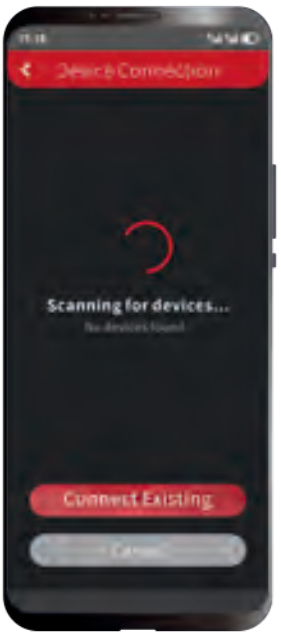
②



③



④



⑤


Pairing Sensors
Tap
Pairing Sensors
Mount the sensor
to the tire valve
Pairing Sensors

⑥


Delete Sensors
Tap
Delete Sensors
Confirm to Delete
Delete Sensors

3-2. Wheel Bearing Hub Temperature Setting



①



②



③



④



Note:

Activate Sensor: Enter the appropriate Pairing Mode in the iCheckTPMS App, then hold the magnet against the arrow marked on the sensor to activate it. Within a few seconds, the Bearing (BT) Sensor will appear on both the Smart Monitor and the iCheckTPMS App.

Deactivate Sensor: Hold the magnet against the arrow marked on the sensor to deactivate it. Always deactivate the sensor using the magnet before deleting it from the iCheckTPMS App.

The Bearing (BT) Sensor high temperature alert is factory set to 70°C, which is suitable for most towing conditions.

3-3. Airbag Pressure Setting





3-4. Fridge Temperature Setting



①



②



③



④



Note:

Activate Sensor: Enter the appropriate Pairing Mode in the iCheckTPMS App, then hold the magnet against the arrow marked on the sensor to activate it. Within a few seconds, the Fridge (FT) Sensor will appear on both the Smart Monitor and the iCheckTPMS App.

Deactivate Sensor: Hold the magnet against the arrow marked on the sensor to deactivate it. Always deactivate the sensor using the magnet before deleting it from the iCheckTPMS App.

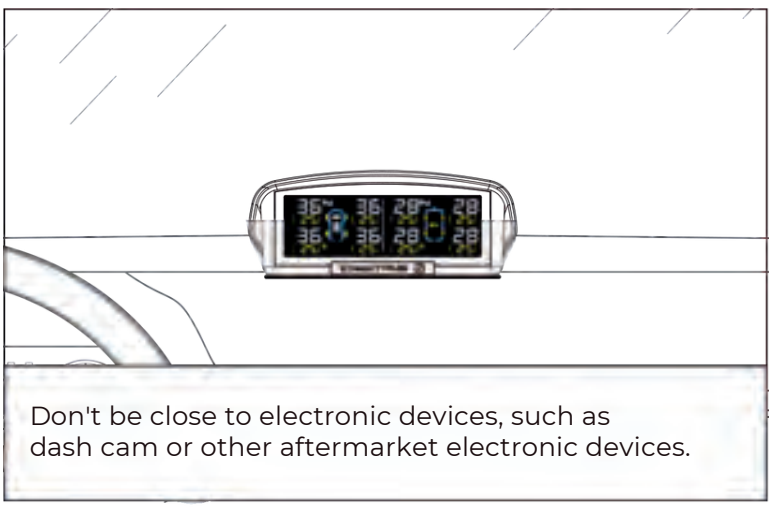
4. Installation Tips

- Fully charge the monitor before first use.
- Turn on the monitor before installing the sensors, and ensure the tyres are cold so the correct benchmark pressure is recorded.
- Tyre pressure and temperature will change during driving due to normal heat expansion and contraction.
- All sensors are factory-paired to their designated wheel positions. If required, you can reassign sensor locations using the Sensor Pairing function.
- Install the monitor securely on the dashboard where it does not obstruct the driver's view.
- Charging via USB port. Charging voltage: DC 5V. Highly recommend to use supplied wire to avoid any damage to the unit.
- If the receiver remains stationary for 10 minutes, its screen will turn off and the unit enters sleep mode. Vibration of the receiver can wake it up.

5. Installation

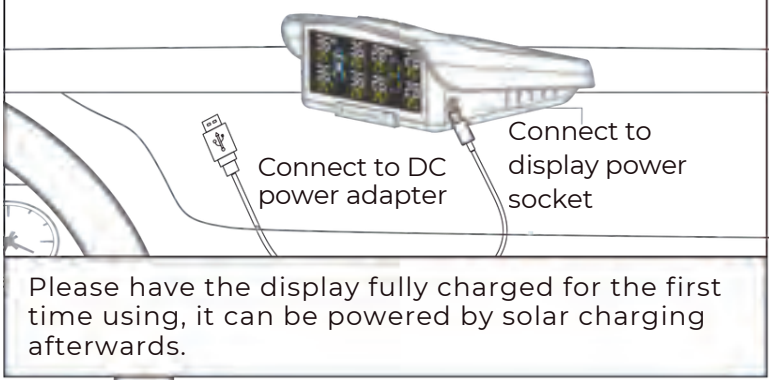
5-1. Monitor Installation

Turn on the monitor and then install the sensors. Once all installations are complete, place the supplied non-slip pad on the dashboard and securely position the monitor on top. Ensure it does not obstruct the driver's view. Long press (+) and (-) button for 3 seconds to turn on the monitor.



Don't be close to electronic devices, such as dash cam or other aftermarket electronic devices.

Charge for at least 2.5 hours for the first time.



Please have the display fully charged for the first time using, it can be powered by solar charging afterwards.

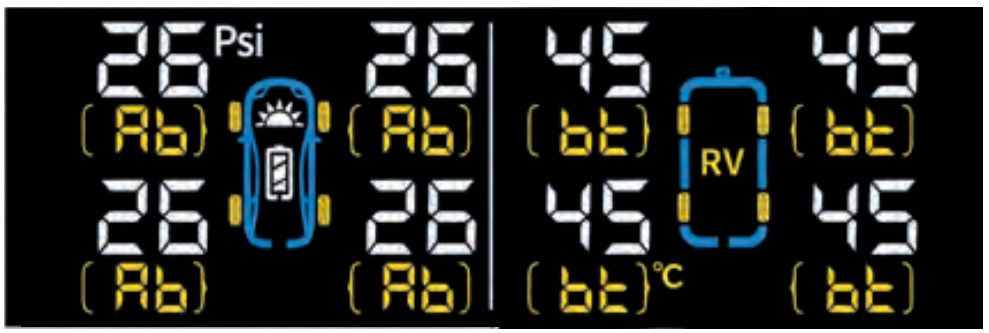
5-2. Monitor Display

The monitor displays information across two rotating screens, supporting up to **10 tyre sensors, 4 Airbag (AB) sensors, 4 Bearing (BT) sensors, and 2 Fridge (FT) sensors.**

- **Screen 1:** Displays the vehicle and caravan tyre pressures and temperatures (up to 4 tyres each).



- **Screen 2:** Displays the Airbag (AB) and Bearing (BT) sensors readings.



- **Screen 3:** The display automatically switches between screens every 5 seconds. To view the spare tyre status for car and caravan or Fridge (FT) temperature, press the (+) or (-) button to manually cycle through the available display screen.

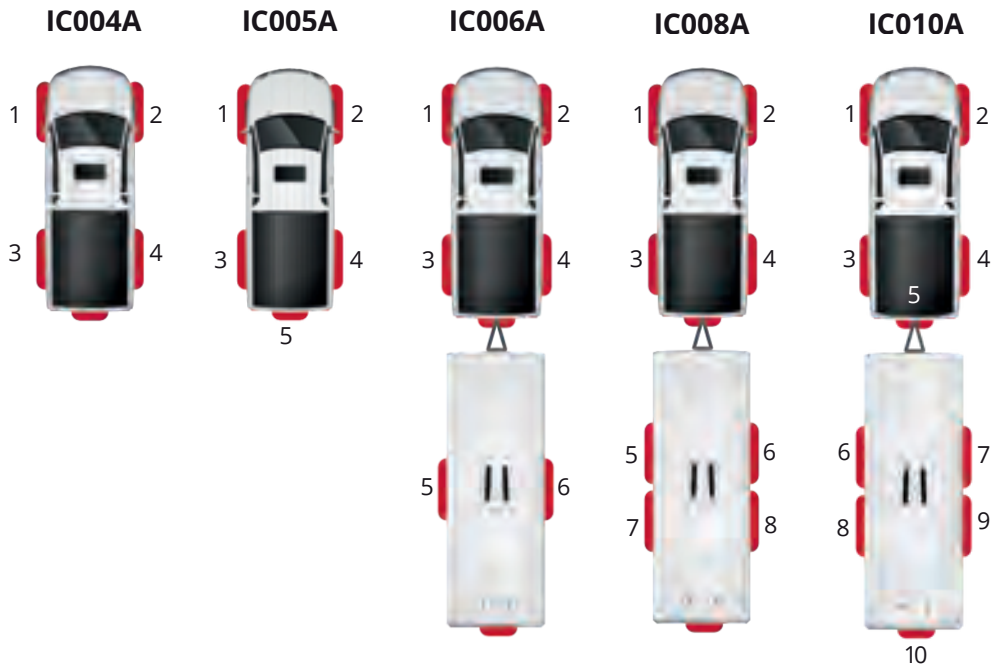


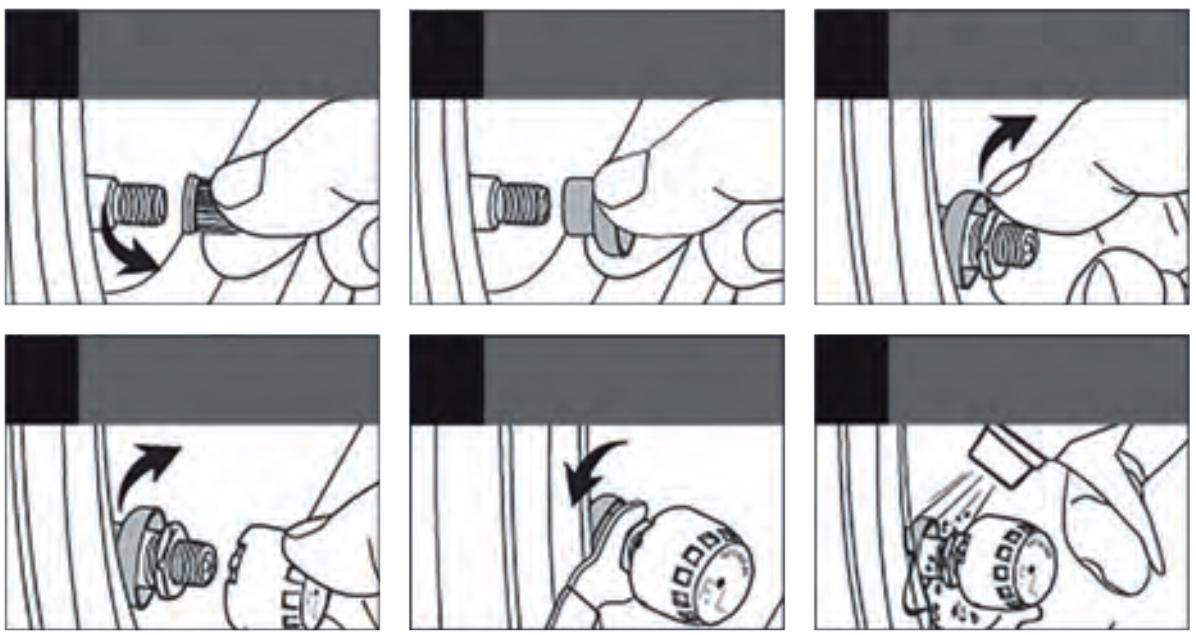
Icons	Indication
	Tyre Position
°F/°C	Temperature Unit (Optional)
PSI/BAR	Pressure Unit (Optional)
	Solar Power Indicator
	Sensor Low Battery
	Tyre Alarm Status
	Monitor Power Level
	Booster Indicator

5-3. Sensor Installation

Each sensor has been marked with a position number and has been paired to the monitor from factory. Please install the sensors according to the below diagram.

Wheel Sensor Location





5-4. TPMS Sensor Pairing/Relocate The Sensor

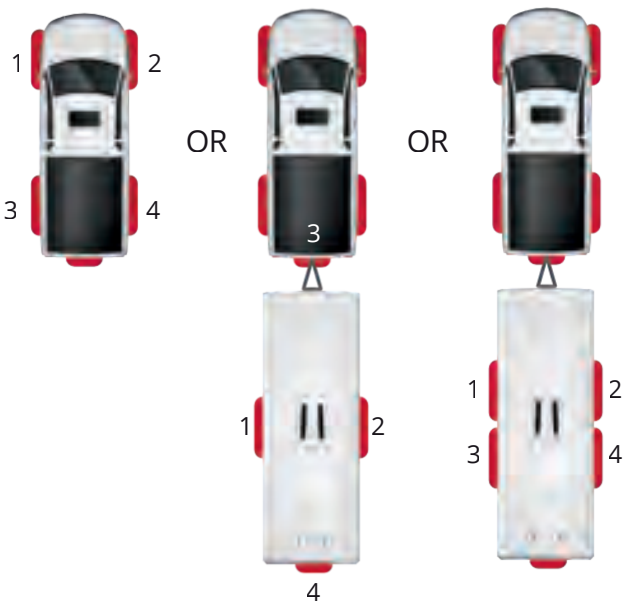
If the need arises to replace a sensor or change the location of pre-paired sensors follow these simple steps.

- Press the (set) and (+) buttons for 3 seconds until a beep is heard to enter the sensor pairing mode. It will start with the vehicle's passenger front wheel flashing.
- Press the (+) button to scroll through to the desired wheel location for the new sensor to be programmed to.
- Then screw the sensor onto the tyre valve and wait for a beep (up to 20 seconds). Once a beep is heard, press and hold the (set) button until another beep is heard to save the new data and return to standby mode. Repeat this process for any additional sensors.

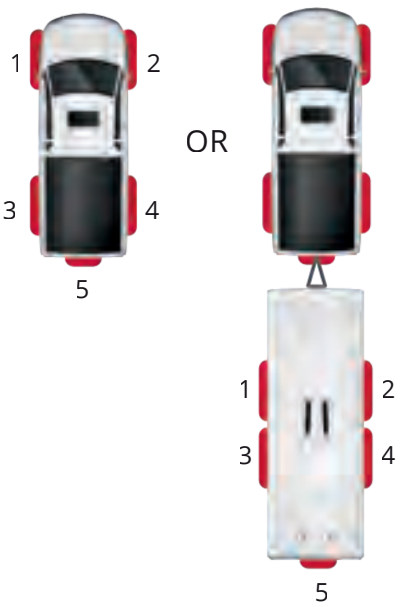
Note: All sensors are factory-paired to their designated locations. However, they can be reassigned to any location using the Sensor Pairing function, regardless of the number printed on the sensor.

Examples Below:

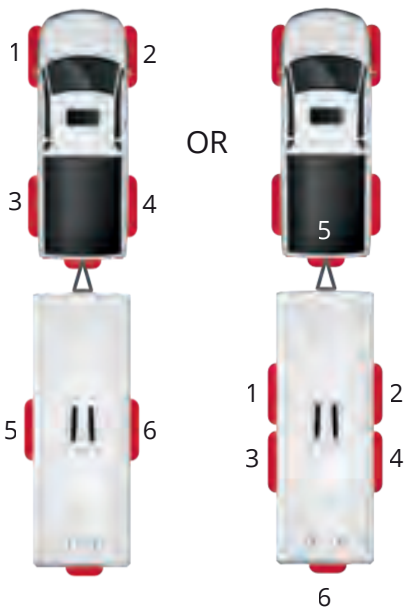
IC004A



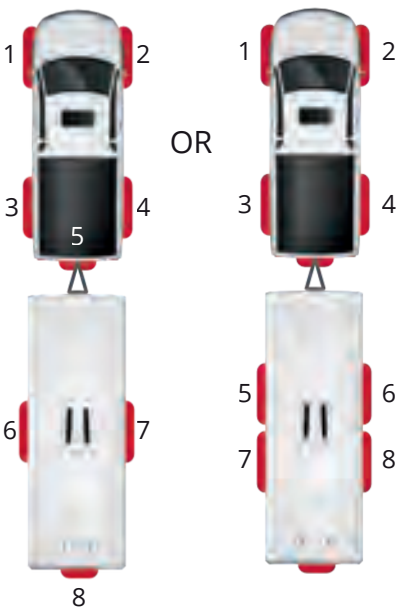
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IC006A



IC008A



IC010A

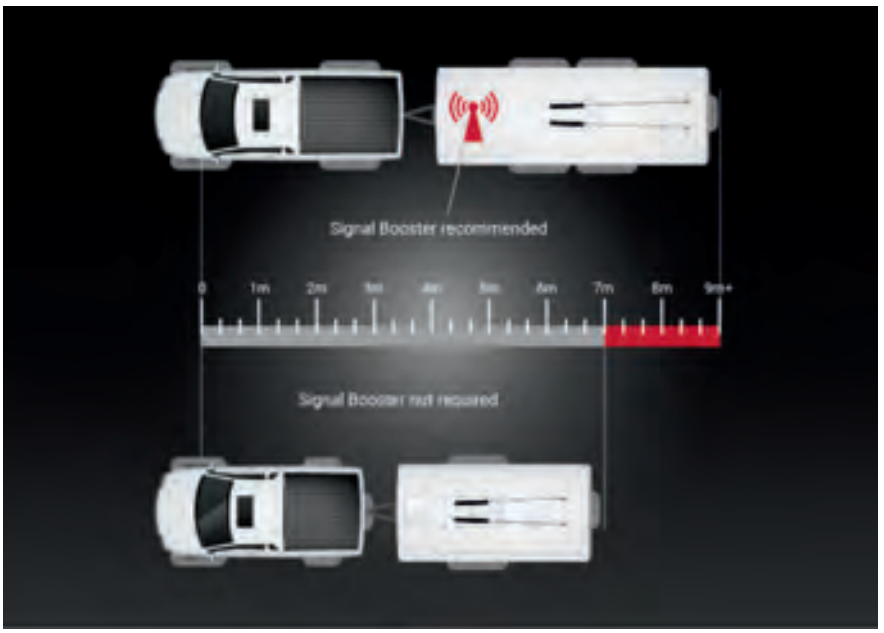


5-5. Signal Booster Icon

When an iCheckTPMS Signal Booster is connected and operating correctly, the Signal Booster icon will appear on the monitor, confirming that the booster is powered on and receiving sensor data.



Note: If the distance between the monitor (mounted on the dashboard) and the furthest tyre exceeds 7 metres, we highly recommend installing a Signal Booster to ensure reliable communication with all sensors.



5-6. BT Sensor Pairing

- Press and hold the (set) and (-) buttons for 3 seconds, then press the (+) button to scroll until BT Sensor Pairing mode is displayed. The corresponding BT (caravan wheel) icon will flash.
- While the icon is flashing, hold the magnet against the arrow marked on the sensor. Within 3 seconds, the monitor will beep and display the temperature.
- To pair another BT sensor, press the (+) button and repeat the process. Once all BT sensors have been paired, press and hold the (set) button until a beep is heard to save the settings and return to standby mode.





5-7. BT (Bearing Sensor) Sensors High Temperature Alert Setting

The Bearing (BT) Sensor high temperature alert is factory set to 70°C, which is suitable for most towing conditions. If required, you can adjust the temperature threshold to suit your specific needs. To change the setting, ensure the monitor is in Standby Mode, then press and hold the (set) button for 3 seconds until you hear a beep. The BT temperature value will begin flashing. Use the (+) or (-) button to adjust the temperature threshold. Once the desired temperature is selected, press and hold the (set) button for 3 seconds to save the new setting and return to the normal display.

Setting Range: 60°C-100°C



5-8. Monitoring Your Hub/Bearing Temperatures

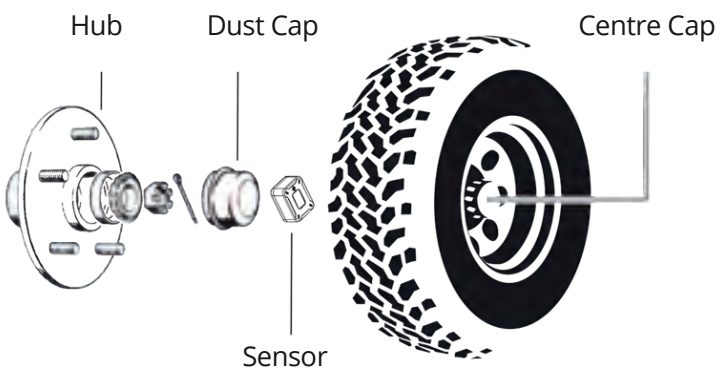
When monitoring your bearing temperatures, you are generally looking for one, or maybe more, bearings that are running hotter than the others. If all the temperatures are within a couple of degrees of each other this is a good sign that they're all operating correctly.

If you notice that one is considerably hotter this could be an early warning sign of a potential problem with either your bearing, hub, or even your brake calipers. You will get a feel for it based on the weight of your rig. Typically, you will find the bearings will run around 15-20 degrees above the ambient temperature. Higher temperatures than this provide an indication that there is more friction than necessary and there may be something wrong.

5-9. Wheel Bearing Sensor Installation

Remove the centre caps from your wheels to expose the metal bearing dust cap. Make sure there is enough room between the bearing dust cap and the inside of the wheel centre cap for the sensor to be installed. Please note that some wheel types may need to be removed to gain access to the dust cap.

Thoroughly clean the hub dust cap surface before installing. If necessary, use a scotch brite pad to scuff the surface and then wipe down with a wax and grease remover. Make sure the surface is clean and dry and free of any oils or grease before installation. Once the surface is completely clean and dry, firmly push and hold the sensor in place for 20 seconds. It's advisable not to drive for 24 hours to allow the 3M adhesive to thoroughly bond to the dust cap surface.



Note: Most dust caps have a flat surface to mount the bearing sensor to, however, if you have a curved surface or the dust cap has raised lettering you may need to replace them with dust caps with a flat surface and are easily found at your local trailer or caravan store.

5-10. Wheel Bearing Sensor Deactivation

Whilst your caravan is not in use you have the option of deactivating the bearing sensors to further prolong the battery life. With the monitor turned on hold the magnet against the arrow marked on the sensor and within 20 seconds the temperature display will disappear. The sensor is now deactivated and in sleep mode. Repeat this process with all other sensors.

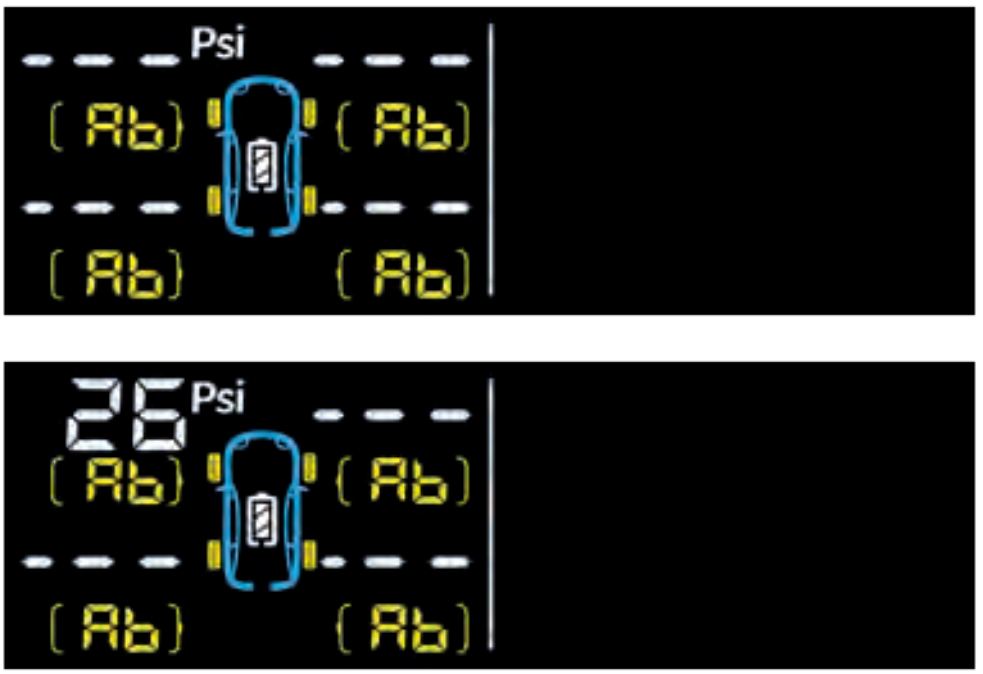
Note: Deactivate the sensor on the monitor using the magnet before deleting it from the app.

5-11. AB Sensor Pairing

- In standby mode, press and hold the (set) and (-) buttons for 3 seconds until a beep is heard.
- Press the (+) button to select the desired Airbag position, then install the sensor onto the Airbag valve.
- Wait for the confirmation beep and PSI will be displayed. Press the (+) button to scroll to pair another AB sensor, then repeat the process.
- When all sensors have been paired, press and hold the (set) button until another beep is heard to save the settings and return to standby mode.

Note 1: Use the supplied locking screw and allen key to secure the AB sensor and reduce the risk of theft.

Note 2: The airbag (AB) Sensors do not have alarm setting. They are designed to display live PSI reading.



5-12. FT Sensor Pairing

- Press and hold the (set) and (-) buttons for 3 seconds, then press the (+) button to scroll until FT Sensor Pairing mode is displayed. The FT icon will flash.
- Hold the magnet against the arrow marked on the sensor. Within 3 seconds, the monitor will beep and display the temperature.
- Press the (+) button to scroll to pair the next FT sensor. Once both FT sensors have been paired, press and hold the (set) button until a beep is heard to save the settings and return to standby mode.

Note 1: For best performance, position the fridge sensor on the middle shelf in the centre of the fridge, away from the cooling plate, air vents, and door. This provides the most accurate average temperature reading.

Note 2: The FT High Temperature Alert is limited to a maximum of 10°C, and the FT Low Temperature Alert is limited to a minimum of -20°C.



5-13. FT Sensors Low Temperature Alert Setting

Press and hold the (set) button for 3 seconds until a beep is heard. Press the (set) button once to enter the FT Low Temperature Alert setting. Use the (+) or (-) button to adjust the alert value, then press and hold the (set) button for 3 seconds to save and return to the normal display.

Lowest Setting: -20°C



5-14. FT Sensors High Temperature Alert Setting

Press the (set) button once (after setting the FT Low Temperature Alert) to enter the FT High Temperature Alert setting. Use the (+) or (-) button to adjust the alert value, then press and hold the (set) button for 3 seconds to save and return to the normal display.

Maximum Setting: 10°C



5-15. FT Sensor Deactivation

To extend battery life when your fridge is not in use, you can deactivate the FT sensors. With the monitor turned on, hold the magnet against the arrow marked on the sensor and within 20 seconds, the temperature reading will disappear, indicating the sensor has entered sleep mode.

Note: Deactivate the sensor on the monitor using the magnet before deleting it from the app.

6. Product Settings

Factory Default Settings	
Pressure Unit	PSI
Temperature Unit	°C
High Temperature Alert	70°C

6-1. Restore Factory Settings

Turn off the monitor. Then turn the monitor back on and within 3 seconds, press and hold the (set) button and release after the beep.

6-2. Change Pressure Unit

In standby mode, press and hold the (+) button for 3 seconds to switch between PSI / BAR pressure units.

6-3. Change Temperature Unit

In standby mode, press and hold the (-) button for 3 seconds to switch between °F / °C temperature units.

6-4. Switch Display To View Vehicle Spare Tyre/FT

Press the (+) or (-) button in standby mode to scroll through to Spare Tyre/FT status.

7. Connect And Disconnect Functions

7-1. AB And BT Sensors Disconnect Feature

In standby mode, press the (set) button three times. A beep will confirm that the AB and BT sensors have been connected or disconnected.

Note: After reconnecting the AB and BT sensors, it may take a few moments for the monitor to receive the signal and display the sensor readings.



7-2. Caravan Disconnect Feature

Press and hold the (-) button for 6 seconds to disconnect, or the (+) button for 6 seconds to connect and release after second beep.





7-3. Alarm Status

- **Benchmark Pressure Set Automatically:** Turn on the monitor and install the sensors on cold tyres. The current tyre pressure is automatically stored as the benchmark pressure. The monitor will trigger a visual and audible alarm if the tyre pressure increases by 25% or decreases by 15% from the benchmark pressure.

- **Tyre Leakage Alarm:** If a tyre leak is detected, the monitor will sound a continuous alarm. The corresponding tyre icon, pressure reading, and fault icon will flash. Press any button to mute the alarm.

- **High Tyre Temperature Alarm:** If the sensor temperature rises above 70°C, the corresponding tyre icon, temperature reading and tyre fault icon on the receiver will flash together, and the buzzer will trigger an alert. Press any key to stop the alarm sound.

- **Low Sensor Battery Alarm:** If a sensor battery drops below 2V, the corresponding tyre icon, low battery icon, and fault icon will flash, and the monitor will sound an alarm. Press any button to mute the alarm.

Note: The sensor battery has an expected service life of 12-18 months. For optimum performance and safety, we recommend replacing the battery every 12 months.

- **Sensor Loss Indication:** If the monitor does not receive a signal from a sensor for 30 minutes, the corresponding pressure and temperature readings will be replaced with dashed lines (---), indicating a lost sensor.

- **BT High Temperature Alarm:** If the BT sensor temperature exceeds the preset limit, the BT icon, temperature reading, and fault icon will flash, and the monitor will sound an alarm. Press any button to mute the alarm.

- **BT Sensor Loss Indication:** If the monitor does not receive a signal from a BT sensor for 30 minutes, the corresponding temperature reading will be replaced with (---), indicating a lost sensor.

- **FT Temperature Alarm:** If the FT sensor temperature exceeds the preset range, the FT icon, temperature reading, and fault icon will flash, and the monitor will sound an alarm. Press any button to mute the alarm.

- **FT Sensor Loss Indication:** If the monitor does not receive a signal from an FT sensor for 30 minutes, the corresponding temperature reading will be replaced with (---), indicating a lost sensor.

8. Special Features

8-1. Battery Saving Mode

The monitor automatically enters Sleep Mode after 10 minutes of no movement to conserve battery power. It will automatically wake when movement is detected, such as when you enter or start the vehicle.

8-2. Solar Charging

The monitor features a built-in solar panel that helps maintain the battery during normal use. Under typical sunlight conditions, the monitor can operate indefinitely without USB charging.

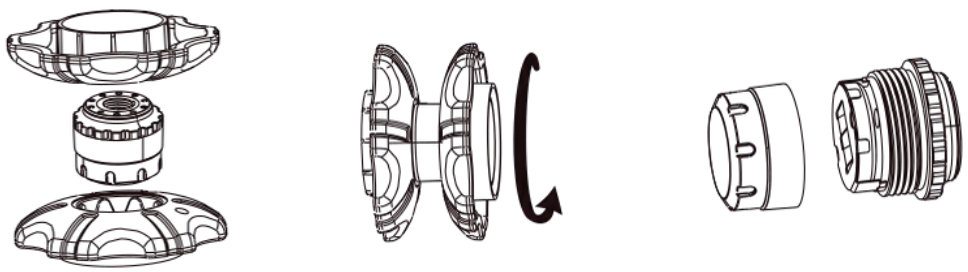
Note: If the monitor is installed in a location with limited or no direct sunlight, the internal battery can still operate for several weeks before recharging is required using the supplied USB cable.

9. Replacing The TPMS Sensor Battery

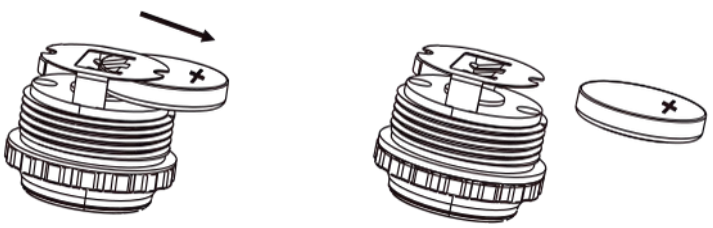
Note: The sensor battery has an expected service life of 12-18 months. For optimum performance and safety, we recommend replacing the battery every 12 months.

When the sensor low battery icon and corresponding tyre icon are flashing, the sensor battery needs replacement. Replace using CR1632 Lithium batteries.

- Hold the sensor inside the sensor opening tool and open sensor cover in a clockwise direction.



- Take out old battery.



- Replace with a CR1632 Lithium, ensure positive (+) is facing upwards.



"–"

CR1632
Lithium Battery

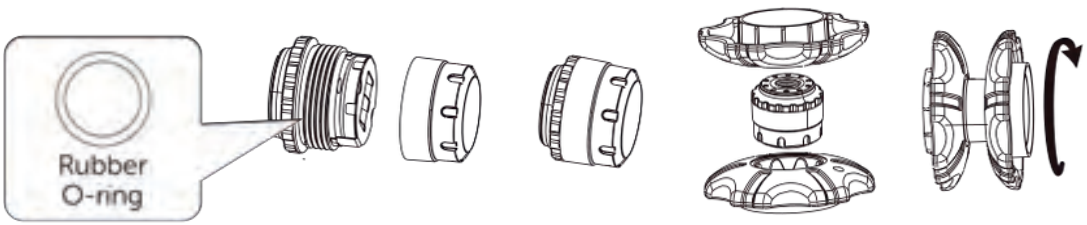


"+"

CR1632
Lithium Battery



- When replacing batteries, please ensure to replace with new rubber o-rings that are supplied in the kit.

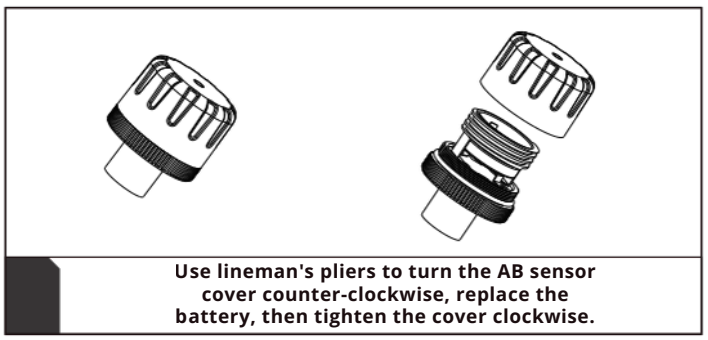


⚠WARNING

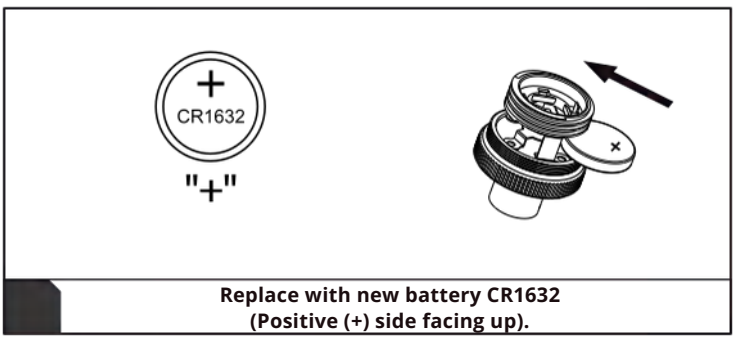
• **INGESTION HAZARD:** This product contains a button cell or coin battery.
• **DEATH** or serious injury can occur if ingested.
• A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
• **KEEP** new and used batteries **OUT OF REACH** of **CHILDREN**.
• **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body. If it is suspected a button/coin cell battery has been swallowed or placed inside any part of the body, seek medical attention immediately or contact the Australian Poisons Information Centre on 131126 for 24/7 fast expert advice.

10. Replacing The AB Sensor Battery

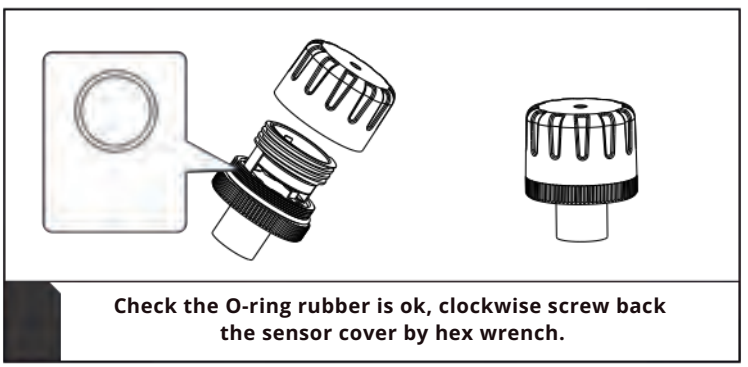
Note: The sensor battery has an expected service life of 12-18 months. For optimum performance and safety, we recommend replacing the battery every 12 months.



Use lineman's pliers to turn the AB sensor cover counter-clockwise, replace the battery, then tighten the cover clockwise.



Replace with new battery CR1632 (Positive (+) side facing up).



Check the O-ring rubber is ok, clockwise screw back the sensor cover by hex wrench.

⚠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. If it is suspected a button/coin cell battery has been swallowed or placed inside any part of the body, seek medical attention immediately or contact the Australian Poisons Information Centre on 131126 for 24/7 fast expert advice.



Important Notice

1. The TPMS Sensor and Air Bag Sensor are compatible with coin battery CR1632 3.0V. Fridge Sensor and Bearing Temperature Sensor are compatible with non-replaceable coin battery CR2032 3.0V.
2. 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.
3. Even used batteries may cause severe injury or death.
4. Call a local poison control center for treatment information.
5. Non-rechargeable batteries are not to be recharged.
6. Do not force discharge, recharge, disassemble, heat above 80°C or incinerate. Doing so may result in injury due to venting, leakage Or explosion resulting in chemical burns.

TPMS Sensor and Air Bag Sensor (with coin battery CR1632 3.0V):

1. Ensure the batteries are installed correctly according to polarity (+ and -).
2. Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
3. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
4. 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.

11. Specifications

Monitor

Working Temperature	-10°C~80°C
Storage Temperature	-30°C~85°C
Input Voltage / Current	DC 5V
Frequency	433.92 MHz
Dimension (LXWXH)	84 X 66 X 23 mm
Weight	82 g

TPMS Sensors

Working Pressure Range	0~116 PSI (0–8 BAR)
Working Temperature	-40°C ~ 80°C
Storage Temperature	-40°C ~ 85°C
Frequency	433.92 MHz
Transmission Power	<10 dBm
Pressure Accuracy	±1.5 PSI (±0.1 BAR)
Temperature Accuracy	±3°C
Dimension	21 mm (Ø) X 16 mm (Height)
Weight	10 g

FT/BT Sensors

Working Temperature	-30°C ~ 100°C
Frequency	433.92 MHz
Transmission Power	<10 dBm
Temperature Accuracy	±3°C
Dimension (LXWXH)	30 X 23.5 X 15 mm
Weight	11 g

AB Sensors

Working Pressure	0~188 PSI (0–13 BAR)
Working Temperature	-40°C ~ 80°C
Storage Temperature	-40°C ~ 85°C
Frequency	433.92 MHz
Transmission Power	<10 dBm
Pressure Accuracy	±1.5 PSI (±0.1 BAR)
Dimension	24.5 mm (Ø) X 30 mm (Height)
Weight	15.4 g