oricom®

Operating Instructions

TPS10 External Tyre Pressure Monitoring System

Keep this user guide for future reference. Always retain your proof of purchase in case of warranty service.
www.oricom.com.au
Tutorial videos are available -oricom.com.au,
select your model and scroll down to FAQ's

WARNING THIS PRODUCT CONTAINS BUTTON/COIN CELL BATTERIES
Button/coin cell batteries are hazardous and must be kept out of reach of children at all times, whether the battery is new or used. These batteries can cause severe or fatal injuries in 2 hours or less if swallowed or placed 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.

This unit complies with all relevant Australian
and New Zealand approval requirements
AS/NZS 4268:2017

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Need Help?

If you need assistance setting up or using your Oricom product now or in the future, call Oricom Support.

Australia	(02) 4574 8888 www.oricom.com.au Mon-Fri 8am – 6pm AEST
New Zealand	0800 67 42 66 www.oricom.co.nz Mon-Fri 10am – 8pm NZST

Pack Includes

LCD Display

Sensor **X4 or X6**

Washers **X5 or X7**

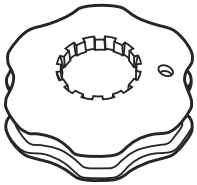
(1 spare)

Nuts **X5 or X7**

(1 spare)

Dustproof cover **X4 or X6**

Anti-slip mat **X1**

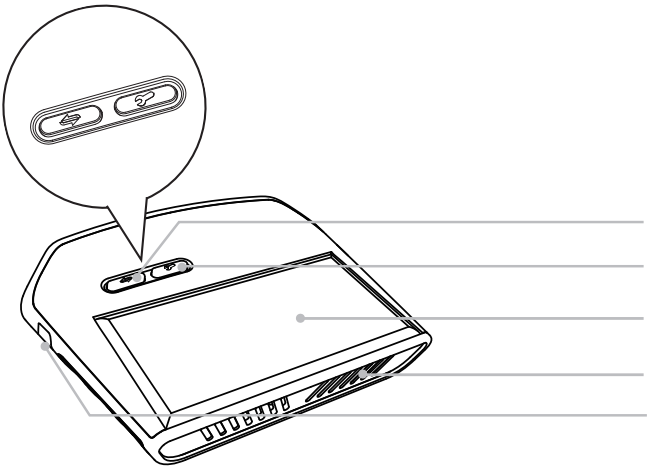


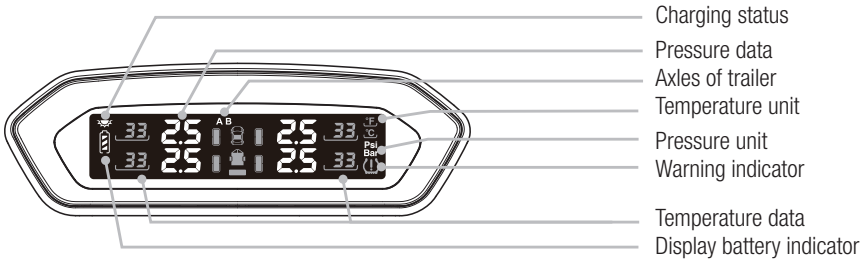
Sensor tool **X1**

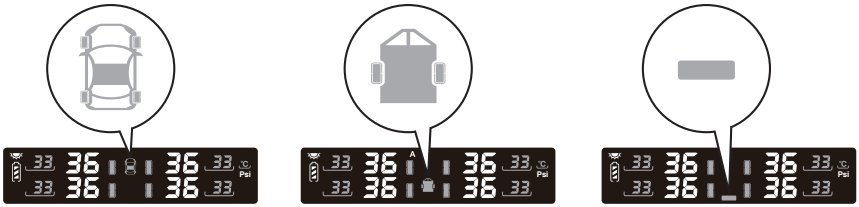
Spanner **X1**

Ensure that these parts are stored safely.

Controls and Indicators





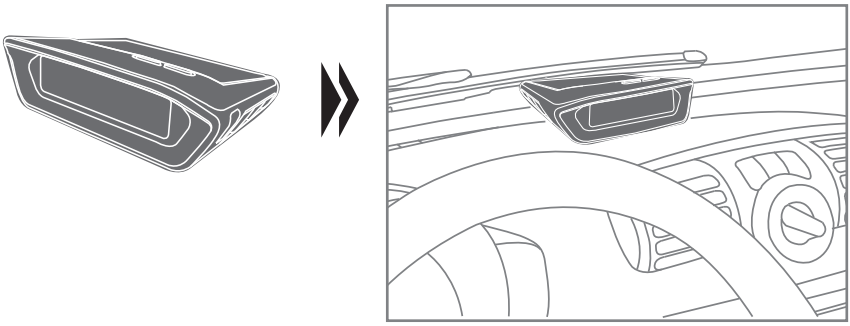


Note: The icon in the centre of the LCD display indicates the viewing interface.

Display Installation

Installation Position

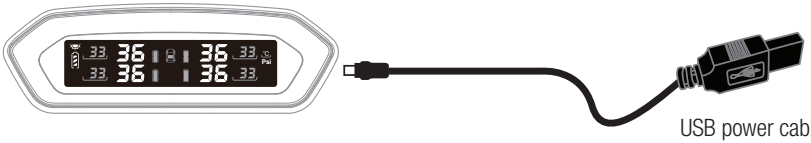
The drawing to the right indicates a suitable mounting position for your display unit.
To avoid the display unit moving whilst travelling, place the anti-slip mat underneath the display unit.



Powering On/Off The Display

Press any button for 3 seconds to turn the display on.
Press "⇆" button for 3 seconds to turn the display off.

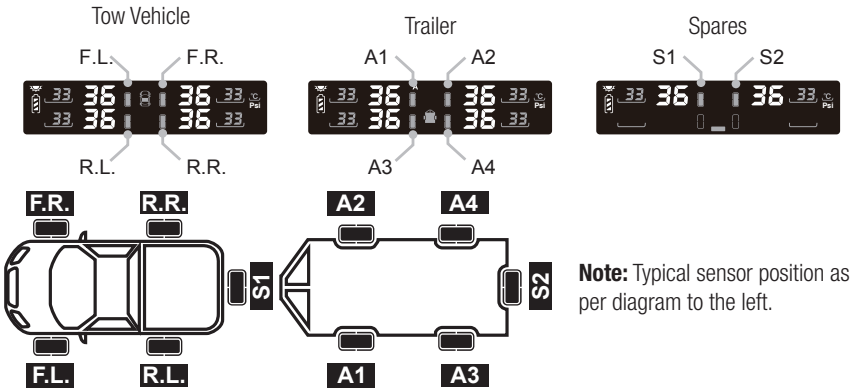
USB Charging Connection



USB power cable
(Not included)

Note: The display unit is solar powered, you can charge the display battery via USB power if required.

Sensor Position



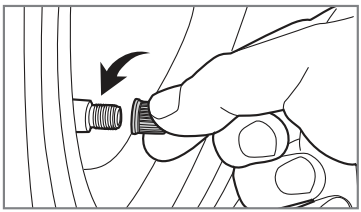
Note: Typical sensor position as per diagram to the left.

Note: Axle B not in use

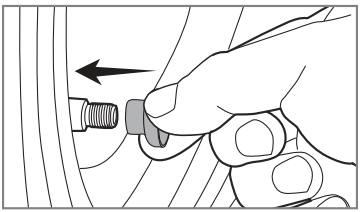
Note: Depending on pack purchased you may have up to 10 sensors.

Sensor Installation

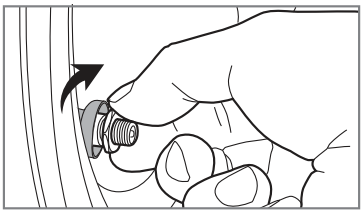
1.Unscrew the valve cap.



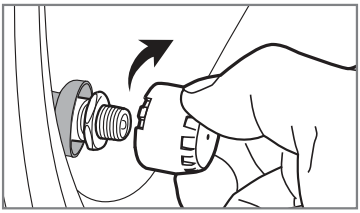
2.Insert the dustproof cover onto the valve stem.



3.Screw on the nut.

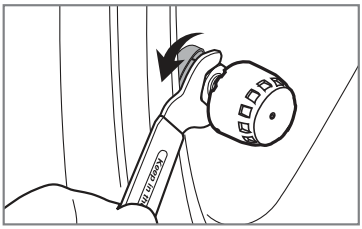


4.Screw on the sensor.

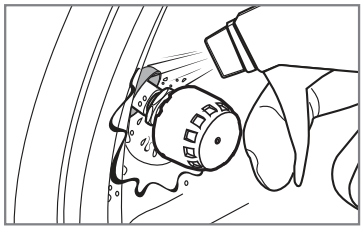


Note: Do not over-tighten sensors as this will effect the readings.

5. Tighten up the nut to the sensor by using the spanner.



6. Check for air leaks by spraying soapy water.



Note: Do not over-tighten sensors as this will effect the readings.

Functional Test After Installation

Once installation is complete, drive the vehicle to a speed over 25Kph to start receiving real time tyre data. Spare tyre and trailer sensors update periodically or when there is a pressure change.

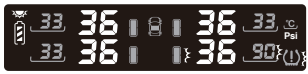
The installation is complete when all tyre data has been received and is showing on the display.

Alerts

Normal

High temperature

3 Beeps, tyre and temp flashing



Air leakage

3 Beeps, tyre and pressure flashing

Sensor low battery

5 Beeps, tyre and pressure flashing "LO" replace battery

Low pressure

3 Beeps, tyre and pressure flashing

Sensor failure

5 Beeps, tyre and pressure flashing "--" displayed

High pressure

3 Beeps, tyre and pressure flashing

Display low battery

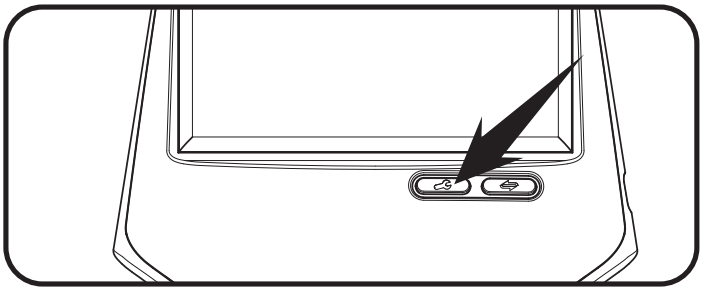
Battery indicator flashing

Settings

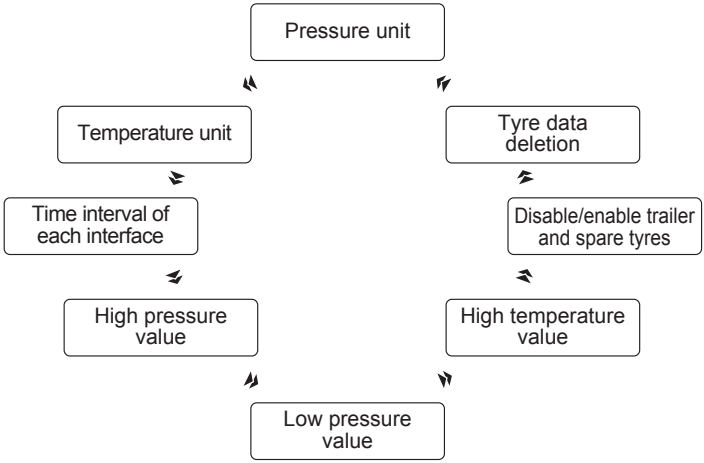
To Enter/Exit The Setting Menu

To enter the menu, press and hold " " button for 4 seconds, until you hear a beep.

To exit the menu, press and hold " " button for 4 seconds, until you hear two beeps.



Menu options:

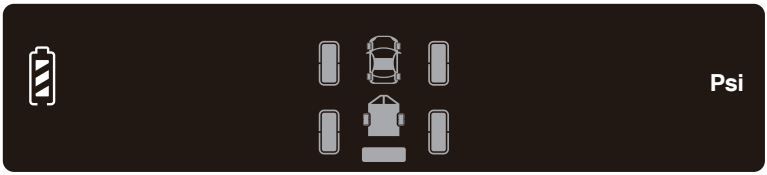


Note: The display automatically exits the menu when left inactive for 3 minutes.

Note: Please visit our website to view tutorial videos on how to enter / exit settings, Visit www.oricom.com.au select your model and scroll down to the FAQ's section.

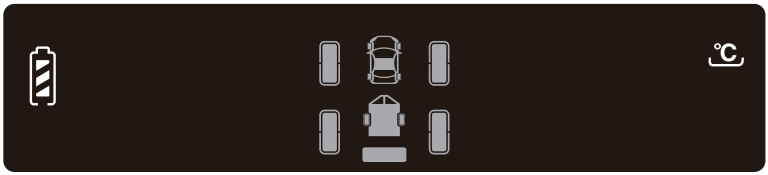
Pressure Unit Setting:

To access the Pressure Unit setting (Bar or Psi), press the "⇋" button to select Psi or Bar then press the "🔧" to save and enter the next setting.



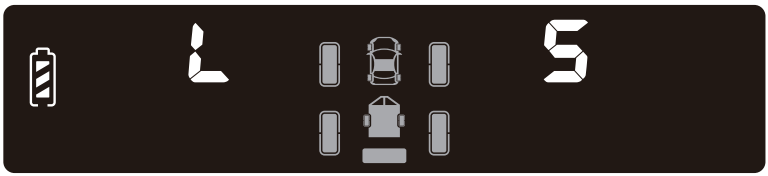
Temperature Unit Setting:

To access the Temperature Unit setting (degrees Celsius / Fahrenheit), press "⇋" button to select the °C or °F, then press "🔧" to save and enter the next setting;



Time Interval Setting For Each Interface:

To access the Time Interval setting, press "⇋" button to set the time interval for each interface, then press "🔧" button once to enter the next setting.



Time intervals (seconds): 5 / 10 / 20 / 30 / 60 / OFF

Default: 5 seconds

Note: This setting is the time each interface is displayed for (tow vehicle / Trailer / Spares)

High Pressure Value Setting:

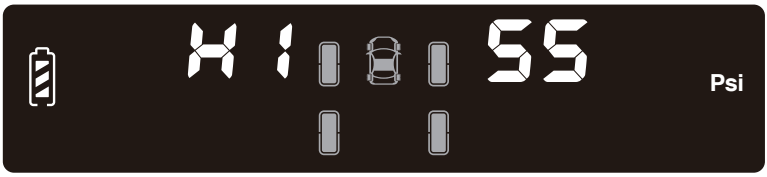
- Press the "⇋" button to set the high pressure value of the current interface.
- Press "🔧" to save and enter the next setting.

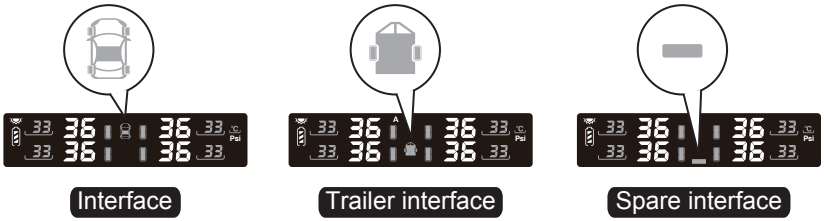
Note: When more than 4 sensors are connected you can set the high pressure value for the individual interfaces (Tow vehicle / Trailer / Spare) to do this, whilst in the high pressure value setting:

1. Press the "⇋" button to set the high pressure value of the current interface.
2. Press and hold the "⇋" button and press the "🔧". The image on the display will change from the tow vehicle to the trailer.
3. Press the "⇋" button to set the high pressure value for the trailer.
4. Press "🔧" to save and enter the next setting.

Note: To change the high pressure setting for the Spare Tyre Interface, repeat steps 2 and 3.

Press "🔧" button once to enter the next setting.





Low Pressure Value Setting:

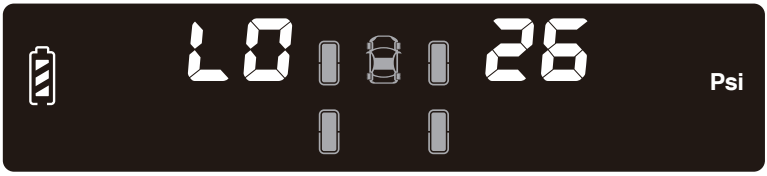
- Press the "⇆" button to set the low pressure value of the current interface.
- Press "🔧" to save and enter the next setting.

Note: When more than 4 sensors are connected you can set the low pressure value for the individual interfaces (Tow vehicle / Trailer / Spare) to do this, whilst in the low pressure value setting:

1. Press the "⇆" button to set the low pressure value of the current interface.
2. Press and hold the "⇆" button and press the "🔧". The image on the display will change from the tow vehicle to the trailer.
3. Press the "⇆" to set the low pressure value for the trailer.
4. Press "🔧" to save and enter the next setting.

Note: To change the low pressure setting for the spare tyre interface, repeat steps 2 and 3.

Press "🔧" button once to enter the next setting.



High Temperature Value Setting:

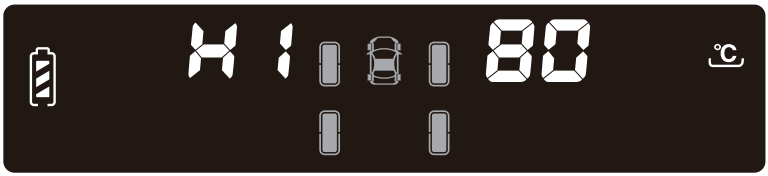
- Press the "⇆" button to set the high temperature value of the current interface.
- Press "🔧" to save and enter the next setting.

Note: When more than 4 sensors are connected you can set the high temperature value for the individual interfaces (Tow vehicle / Trailer / Spare) to do this, whilst in the high temperature value setting:

1. Press the "⇆" button to set the high temperature value of the current interface.
2. Press and hold the "⇆" button and press the "🔧". The image on the display will change from the tow vehicle to the trailer.
3. Press the "⇆" to set the high temperature value for the trailer.
4. Press "🔧" to save and enter the next setting.

Note: To change the high temperature setting for the spare tyre interface, repeat steps 2 and 3.

Press "🔧" button once to enter the next setting.



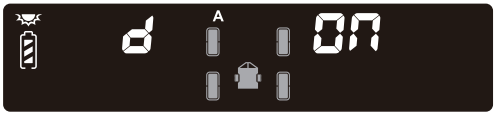
Note: Please visit our website to view tutorial videos on how to set value settings, Visit www.oricom.com.au and select model and scroll down to the FAQ's section.

To Disable/Enable Trailer and Spare Tyres:

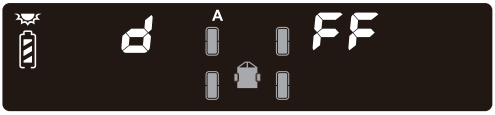
Press "⇆" button to select Trailer or Spare Tyre interface, then press and hold "⇆" button for 3 seconds to disable or to enable.

Press "🔧" button to save and enter the next setting.

Trailer axles setting:

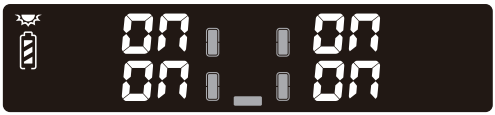


Enabled status (default) when trailer connected.

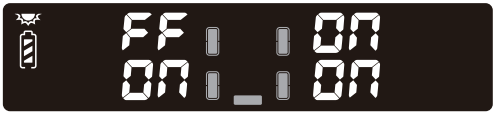


Disabled status when trailer not connected.

Spare tyre settings (individual):



Enabled status (default) all spare tyre sensors turned on.

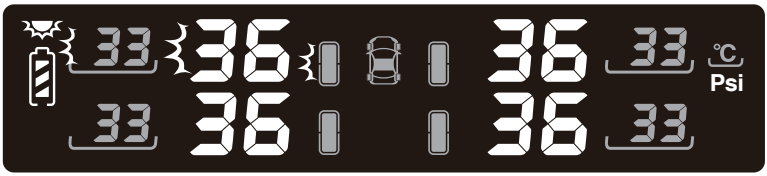


Disabled status spare tyre sensor turned off.

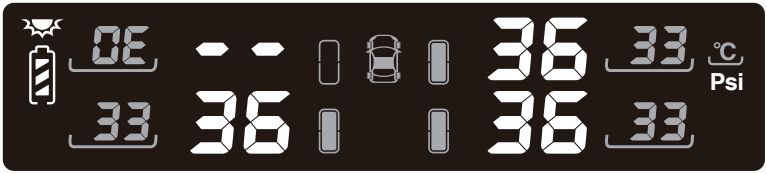
Note: Please visit our website to view tutorial videos on how to disable / enable sensors, Visit www.oricom.com.au select your model and scroll down to the FAQ's section.

Sensor Deletion:

To access the sensor deletion setting, press "⇋" button to select the programmed tyre data to be deleted.



Then hold "⇋" button until the display shows "--", the sensor data has been deleted.



Press "⇋" button to select next sensor or "🔧" button to save.

To exit the menu: Press and hold the " 🔧" for 4 seconds, you will hear 2 beeps confirming you have exited the menu.

Note: Please visit our website to view tutorial videos on how to delete sensors, Visit www.oricom.com.au select your model and scroll down to the FAQ's section.

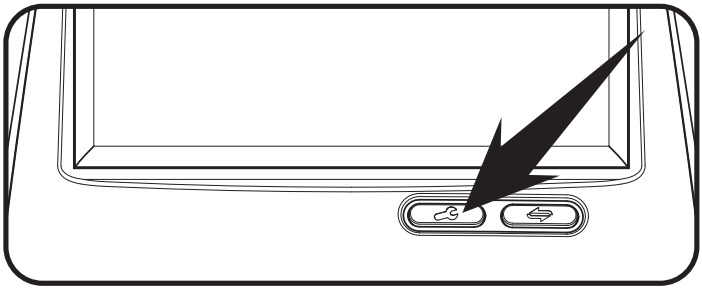
Sensor programming

Note: Sensors in 4 and 6 packs come programmed, Additional twin sensor packs purchased will need to be programmed

⚠ **When programming a new sensor or a missing sensor to the display.**

Enter Programming Mode:

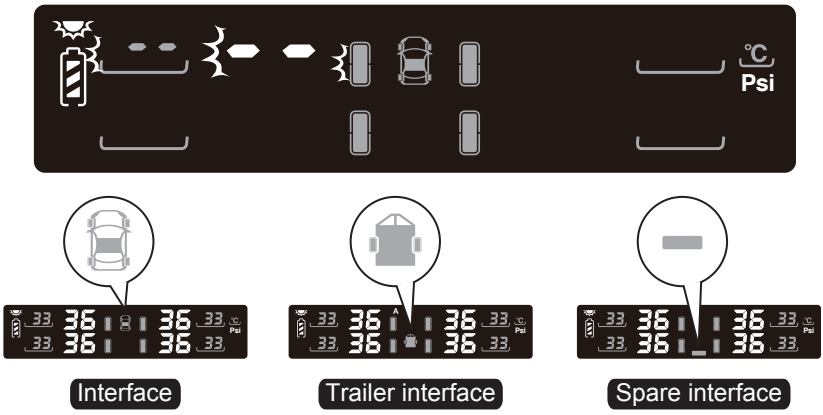
Press "🔧" button 5 times, the display will beep once to confirm you are now in sensor programming mode.



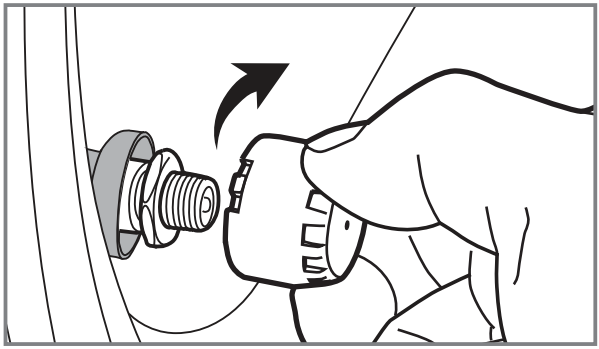
Sensor Programming

Press the "⇄" button to cycle through the sensors.

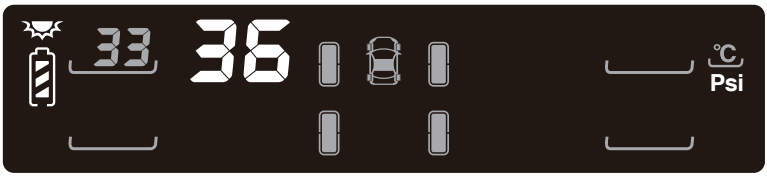
- once the desired sensor position is flashing you are ready for programming that sensor.



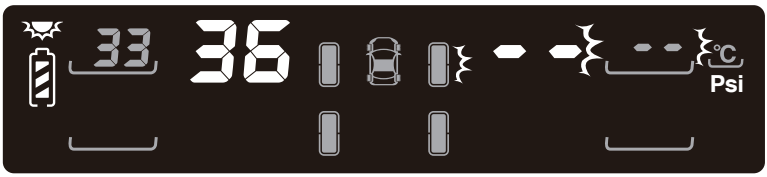
- Screw the sensor to the corresponding tyre.

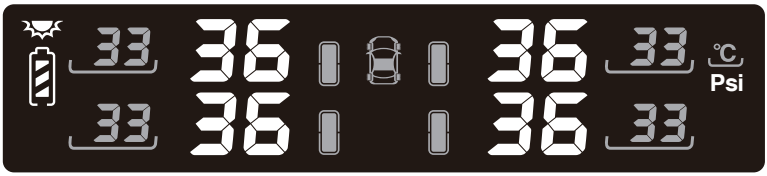


- The pressure data will appear on the display, a beep will sound.
- Press the "🔧" button to SAVE (IMPORTANT) a beep will sound.



- Press"⇄" button to move to the next sensor and repeat the programming steps listed above.





To exit the menu: Press and hold the "🔧" button for 4 seconds, you will hear 2 beeps confirming you have exited the menu.

NOTE: Do not program sensors to Axle B.

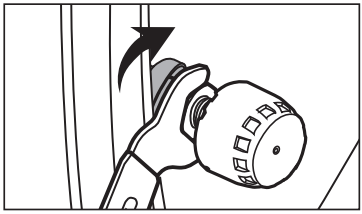
NOTE:

- Tow vehicle sensors can only be programmed to the tow vehicle interface. DO NOT program Trailer or Spare sensors to tow vehicle interface and vice versa.
- Spare tyre data is updated every 15 minutes or if there is a significant change in air pressure.
- Display dims and brightens depending on the light conditions sensed by the solar panel.
- DO NOT program sensors to Axle B.
- The tyre data can be cleared by performing a reset, press and hold down both buttons for 3 seconds, the screen should clear the tyre pressure readings and "--" will appear on the screen. Once driving the tyre pressures will display automatically.

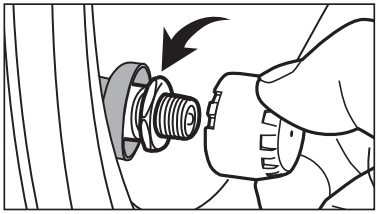
NOTE: Please visit our website to view tutorial videos on how to program sensors to the control unit, Visit www.oricom.com.au select your model and scroll down to the FAQ's section.

Sensor Battery Replacement

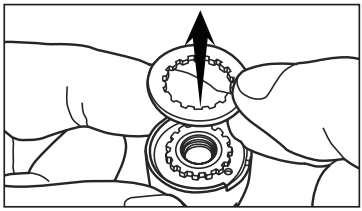
1.Unscrew the nut.



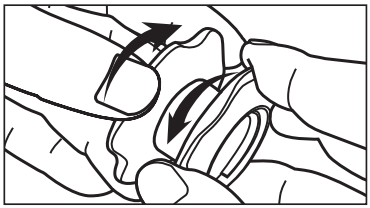
2.Unscrew the sensor.



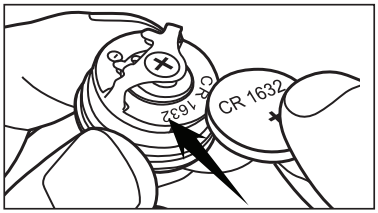
3.Take out the washer.



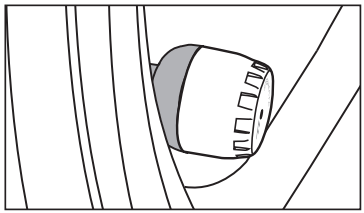
4.Unscrew the sensor cover by using the sensor tool.



5.Replace the battery.



6.Repeat steps in “Sensor Installation”.



WARNING THIS PRODUCT CONTAINS BUTTON/COIN CELL BATTERIES

Button/coin cell batteries are hazardous and must be kept out of reach of children at all times, whether the battery is new or used. These batteries can cause severe or fatal injuries in 2 hours or less if swallowed or placed 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.

Note: Please visit our website to view tutorial videos on how to replace sensor batteries, Visit www.oricom.com.au select your model and scroll down to the FAQ's section.

Sensor:

Operating frequency:	433.92 ± 0.015MHz
Operating voltage:	2.3~3.3V
Operating temperature:	-20°C~+80°C/-4°F~+176°F
Pressure range:	0~7.9Bar/0~86PSI

Display:

Operating frequency:	433.92 ± 0.015MHz
Operating voltage:	2.6~3.6V
Operating current:	≤2.5mA
Operating temperature:	-20°C~+70°C/-4°F~+158°F

Adjustable Alarm Value:

High pressure value:	2.6~7.9Bar/37~86PSI
Low pressure value:	0.9~3.9Bar/13~55PSI
High temperature value:	70~90°C/ 158°F~ 194°F

Default Value:

High pressure value:	3.3Bar/47PSI
Low pressure value:	1.7Bar/24PSI
High temperature value:	80°C/176°F

Precison:

Temperature:	±3°C/±5°F
Pressure:	±0.1Bar/±0.2PSI

1Bar = 14.5PSI =100K Pa = 1.02kgf/cm^2

NOTE: It is recommended that the tyre pressure alarm values are set to ±25% of the recommended manufacturer tyre pressure values.

1. (TPMS) is designed for vehicles with tyre pressure up to 6.0 Bar/ 86PSI.
2. All sensors in this unit have been pre-set individually for each tyre from factory.
3. Whenever the location of a tyre is changed, the sensors must also be changed to the corresponding tyre.
4. The display will turn off automatically after the vehicle stops and no movement is detected for sometime.
5 Approval marks and numbers should not be removed from the product.
6. If the solar energy display is used in temperatures of higher than 80ºC (or 176ºF), the capacity of the built-in battery may be damaged.
7. If the display no longer holds a charge then it is time to replace the display unit as the display unit battery is non-user replaceable.
8. Discharge and charge fully every 6 months to preserve battery life.
9. Store between -40ºC to +80ºC (-40ºF to +176ºF). Charge between -10ºC to +65ºC (+14ºF to +149ºF).
10. Do not expose the display unit to high temperatures.
11. Do not disassemble or tamper with display unit and battery.

Driver Distraction warning

- The driver should always operate a vehicle in a safe manner. Minimising the amount of time spent viewing the display will prevent distraction.
- The display unit should be installed securely in a position that doesn't obstruct the drivers view of the road.
- Do not install the display unit in a position that may hinder the vehicles operating controls.
- Do not install in a location that will obstruct airbags.

Troubleshooting

1. After the installation, there is no tyre data on the display

* The sensors were not programmed to the display, please program the sensors
* The display should show the real time tyre data automatically when the speed is over 25km/h
* There is a problem with the sensor

2. "--" appears intermittently on the display unit.

* The signal that is transmitted is a RF signal and is much like a mobile phone signal. The ACMA allows for other RF signals to interfere with the system signals and this can cause the monitor to occasionally miss a transmission from the sensors. If this persists then you could have a damaged sensor or the batteries could be weak.

Additional Warnings

- 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 technician for help.

Express Warranty (Australia)

This Express Warranty is provided by Oricom International Pty Ltd ABN 46 086 116 369, Unit 1, 4 Sovereign Place, South Windsor NSW 2756, herein after referred to as “Oricom”.

Oricom warrants that the product is free from defects in materials or workmanship during the Express Warranty Period. This Express Warranty does not extend to any product from which the serial number has been removed or was purchased outside of Australia.

The benefits of this Express Warranty are in addition to other rights and remedies you may have under the Australian Consumer Law. 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. In the event of a minor failure, Oricom reserves the right to choose to repair or replace the product.

The Express Warranty Period will be a period of 12 Months beginning on the date of purchase of the product evidenced by your dated sales receipt. You are required to provide proof of purchase as a condition of receiving Express Warranty services.

You are entitled to a replacement product or repair of the product at our discretion according to the terms and conditions of this document if your product is found to be faulty within the Express Warranty Period. This Express Warranty extends to the original purchaser only and is not transferable.

Products distributed by Oricom are manufactured using new materials or new and used materials equivalent to new in performance and reliability. Spare parts may be new or equivalent to new. Spare parts are warranted to be free from defects in material or workmanship for thirty (30) days or for the remainder of the Express Warranty Period of the Oricom branded product in which they are installed, whichever is longer. During the Express Warranty Period, Oricom will where possible repair and if not replace the faulty product or part thereof. All

component parts removed under this Express Warranty become the property of Oricom. In the unlikely event that your Oricom product has a recurring failure, Oricom may always, subject to the Competition and Consumer Act 2010, at its discretion, elect to provide you with a replacement product of its choosing that is at least equivalent to your product in performance.

No change to the conditions of this Express Warranty is valid unless it is made in writing and signed by an authorised representative of Oricom.

Oricom will not be liable under this Express Warranty, and to the extent permitted by law will not be liable for any defect, loss, damage or injury arising out of or in connection with a:

1. Failure by you to adhere to the warnings and follow the instructions set out in this user guide for the proper installation and use of the product;
2. Willful misconduct or deliberate misuse by you of the product;
3. Any external cause beyond our control, including but not limited to power failure, lightning or over voltage; or
4. Modification to the product or services carried out on the product by anyone other than Oricom or Oricom's authorised service provider.

How to make a claim under your Express Warranty in Australia

Oricom has a simple warranty process for you to follow:

- Please call or email our Customer Support Team, 02 4574 8888 or support@oricom.com.au.
- A Customer Support Team member will verify after troubleshooting with you if your product qualifies under warranty. If so, they will give you a Product Return Authorisation number.
- We will then email a Return Authorisation form and a Repair Notice (if necessary), together with instructions on how to return the product for warranty service.

Please note that if a Customer Support Team member advises that your product does not qualify for return, this warranty does not apply to your product. Products that are authorised to be returned to Oricom in Australia must include all of the following:

- A completed Return Authorisation form
- A copy of your Proof of Purchase (please keep your original copy)
- The faulty product, including all accessories.

Send the approved returns to:

Oricom International Pty Ltd
Locked Bag 658
South Windsor NSW 2756 Australia

Please note that this Express Warranty excludes expenses incurred by you in returning any faulty product to us. You must arrange and pay any expenses incurred (including postage, delivery, freight, transportation or insurance of the product) to return the faulty product to us, however, we will arrange delivery of the repaired or replaced faulty product to you.

Important Information

Repair Notice

Please be aware that the repair of your products may result in the loss of any user-generated data (such as stored telephone numbers, text messages and contact information). Please ensure that you have made a copy of any data saved on your product before sending for repair. Please be aware that products presented for repair may be replaced by refurbished products or parts of the same type rather than being repaired.

ORICOM CUSTOMER SUPPORT

Oricom have a trained and dedicated team of Customer Support Representatives, each with the knowledge and resources to assist in answering your questions quickly and efficiently.

Oricom Support - Australia

For all product enquiries, troubleshooting or to discuss the range of Oricom products, feel free to contact Oricom or visit our website for answers to frequently asked questions.

02 4574 8888

Monday - Friday 8am – 6pm AEST
Email: support@oricom.com.au
www.oricom.com.au

Oricom Support - New Zealand

0800 674 266

Monday - Friday 10am - 8pm NZST
Email: support@oricom.co.nz

Ref: 07062023