



# oricom TPS10 External Tyre Pressure Monitoring System Instruction Manual

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**oricom TPS10 External Tyre Pressure Monitoring System**



## Specifications

- **Model:** TPS10 External Tyre Pressure Monitoring System
- **Compliance:** AS/NZS 4268:2017
- **Components:**
  - LCD Display
  - Sensors (X4, X6, or X8)
  - Washers (X5, X7, or X9)
  - Nuts (X5, X7, or X9)
  - Dustproof cover (X4, X6, or X8)
  - Anti-slip mat
  - Spanner

## Product Usage Instructions

### Installation

#### Display Installation:

Mount the display unit in a suitable position as indicated in the manual. Use the provided anti-slip mat to prevent movement during travel.

#### Powering On/Off The Display:

To turn on the display, press any button for 3 seconds. Press the specific button for 3 seconds to turn it off.

#### USB Charging Connection:

You can charge the display battery via USB power if needed. Use a USB power cable (not included).

### Sensor Installation

#### Sensor Position:

Install the sensors on the respective tyres following the diagram provided in the manual.

#### Sensor Installation Steps:

1. Unscrew the valve cap.
2. Fit the dustcover onto the valve.

3. Screw on the nut.
4. Screw on the sensor.
5. Tighten the nut to the sensor with a spanner.

## Functional Testing

After Installation:

Drive the vehicle over 25Kph to start receiving real-time tyre data. Ensure all tyre data is displayed on the monitor to confirm installation completion.

## FAQ

### Alerts and Indicators:

- **High Temperature:** 3 Beeps, tyre and temp flashing
- **Battery Replacement:** 5 Beeps, tyre and pressure flashing LO replace battery
- **Sensor Failure:** 5 Beeps, tyre and pressure flashing — displayed

### 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](http://www.oricom.com.au)

Tutorial videos are available -[www.oricom.com.au](http://www.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.

## Pack Includes



LCD Display



Sensor **X4, X6 or X8**



Washers **X5, X7 or X9**  
(Installed from factory)  
(1 spare)



Nuts **X5, X7 or X9**  
(1 spare)



Dustproof cover **X4, X6 or X8**



Anti-slip mat **X1**

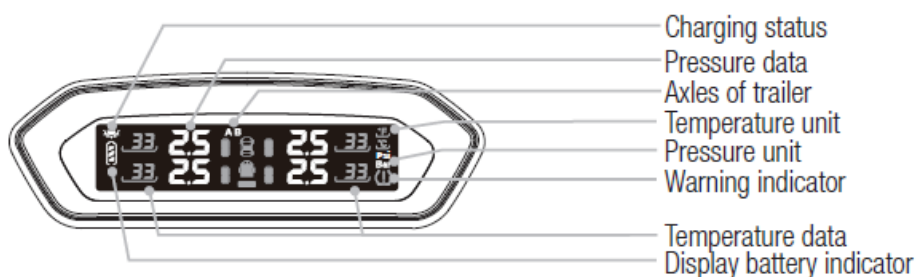
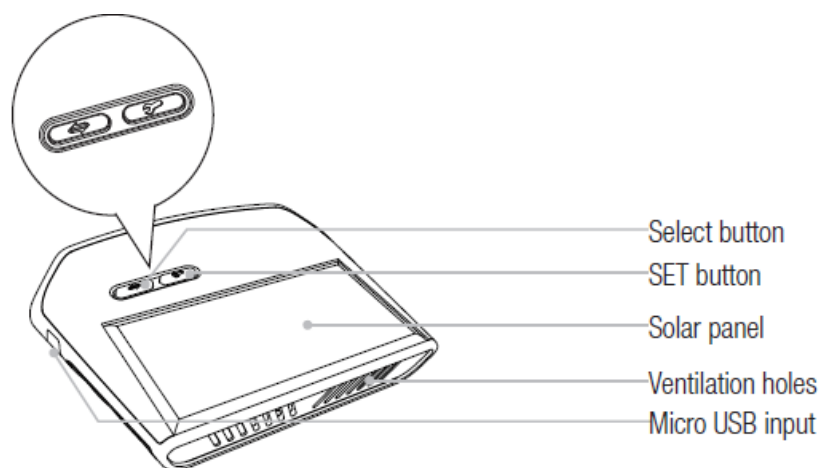


Spanner **X1**

For the  
sensor cover

For the nut

## Controls and Indicators



Tow vehicle interface



Trailer interface



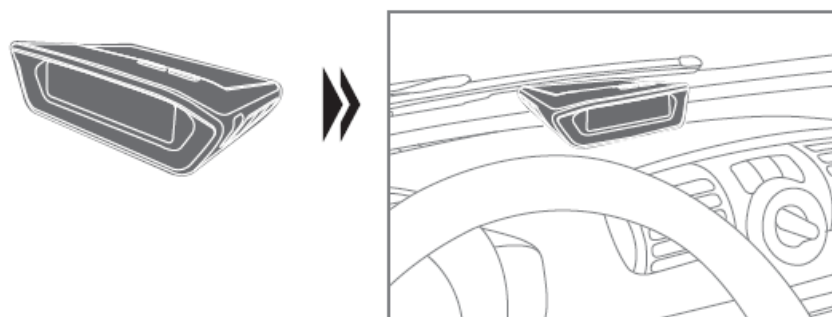
Spare interface

**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.

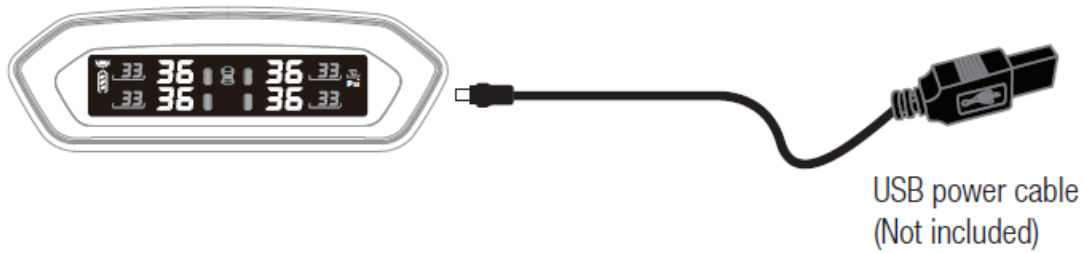


### Powering On/Off The Display

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

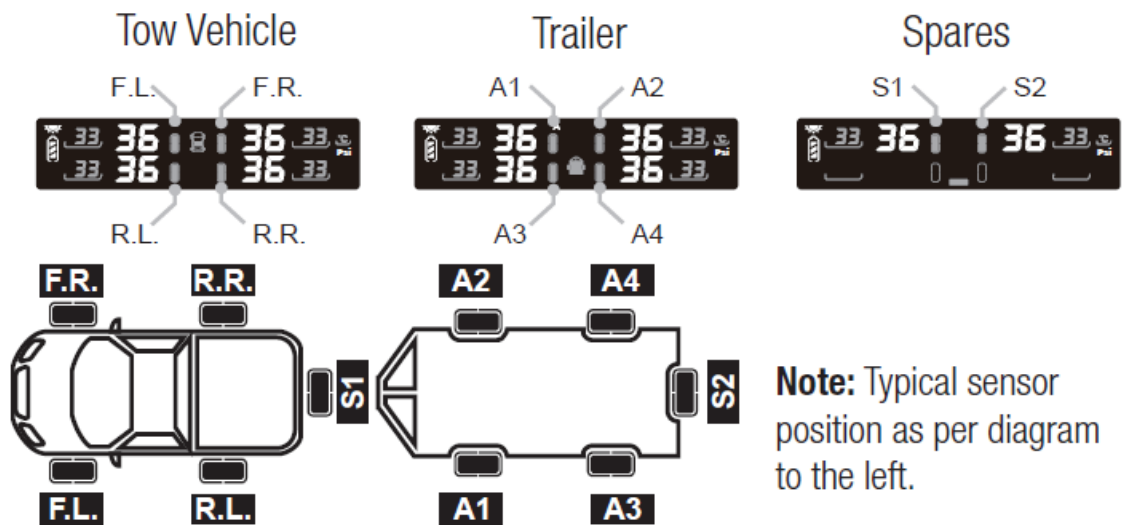
Press “” button for 3 seconds to turn the display off.

## USB Charging Connection



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

## Sensor Position

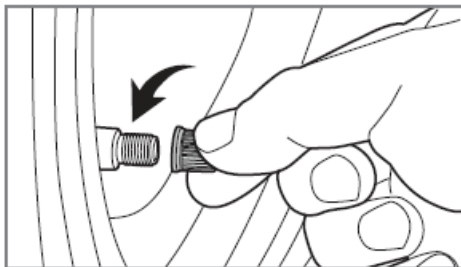


**Note:** Axle B not in use

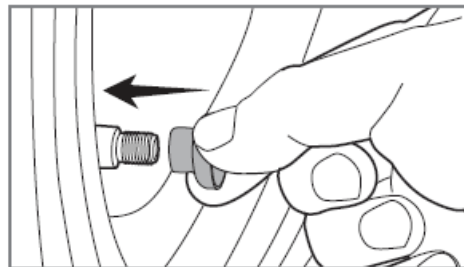
**Note:** Depending on pack purchased you may have up to 10 sensors.

## Sensor Installation

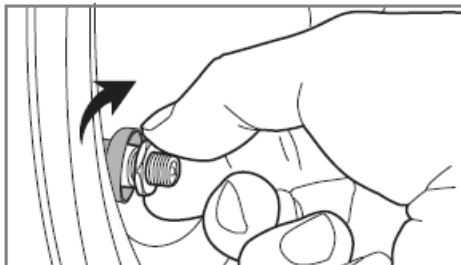
1. Unscrew the valve cap.



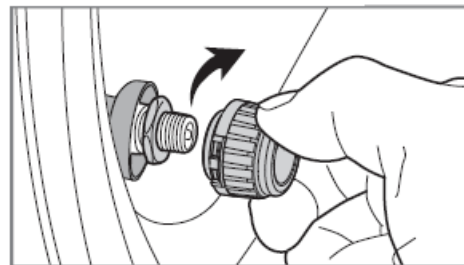
2. Fit the dustcover onto the valve



3. Screw on the nut.

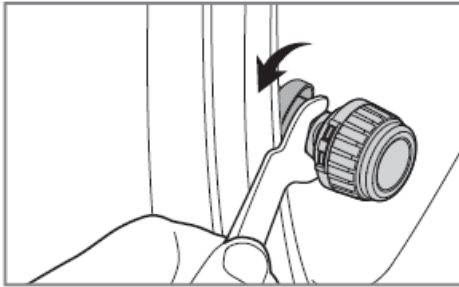


4. Screw on the sensor.

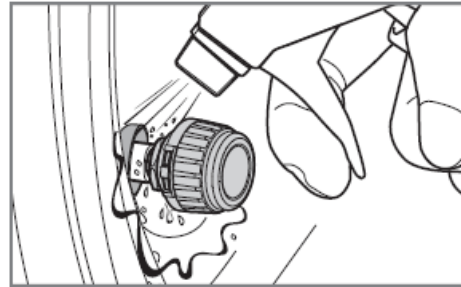


**Note:** Do not over-tighten sensors as this will effect the readings.

5. Tighten the nut to the sensor with a spanner..



6. Check for air leaks by spraying soapy water.



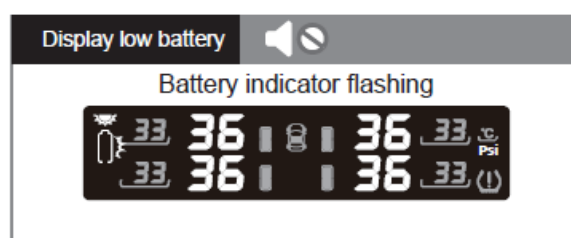
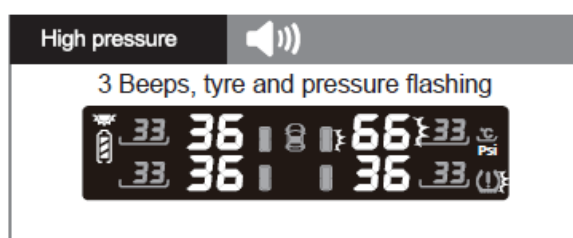
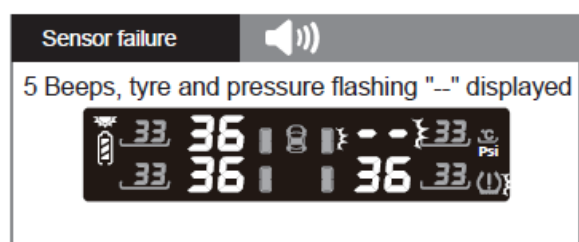
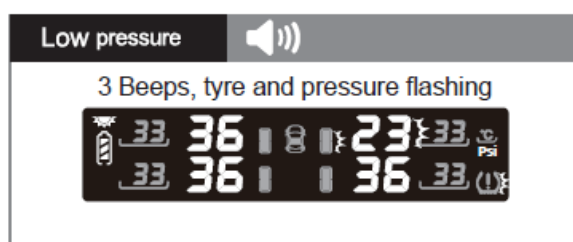
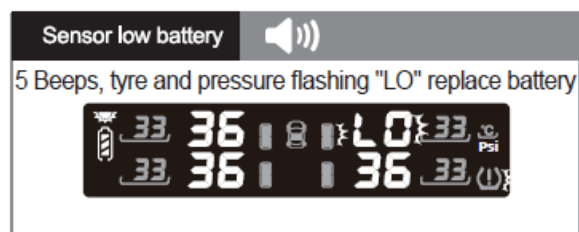
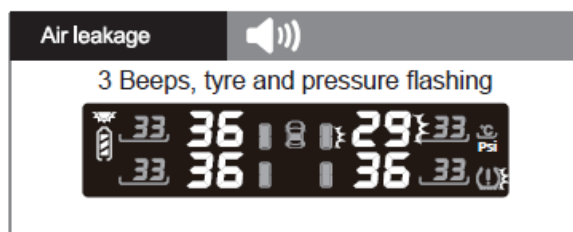
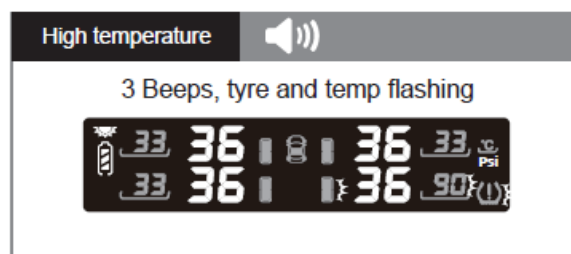
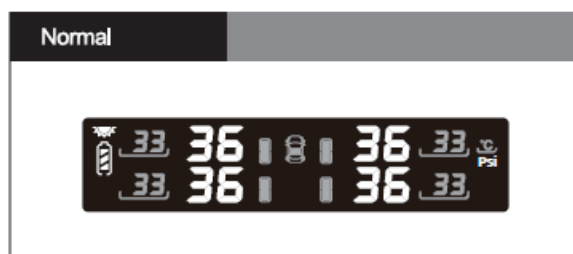
**Note:** Do not over-tighten sensors as this will effect the

### 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

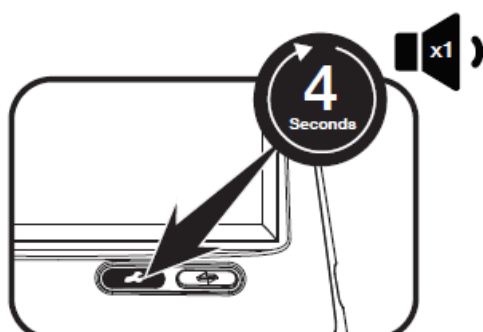


## Settings

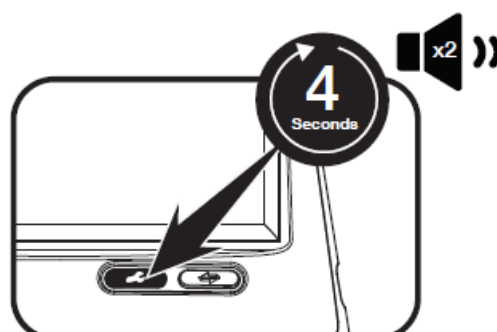
### To Enter/Exit The Setting Menu

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.



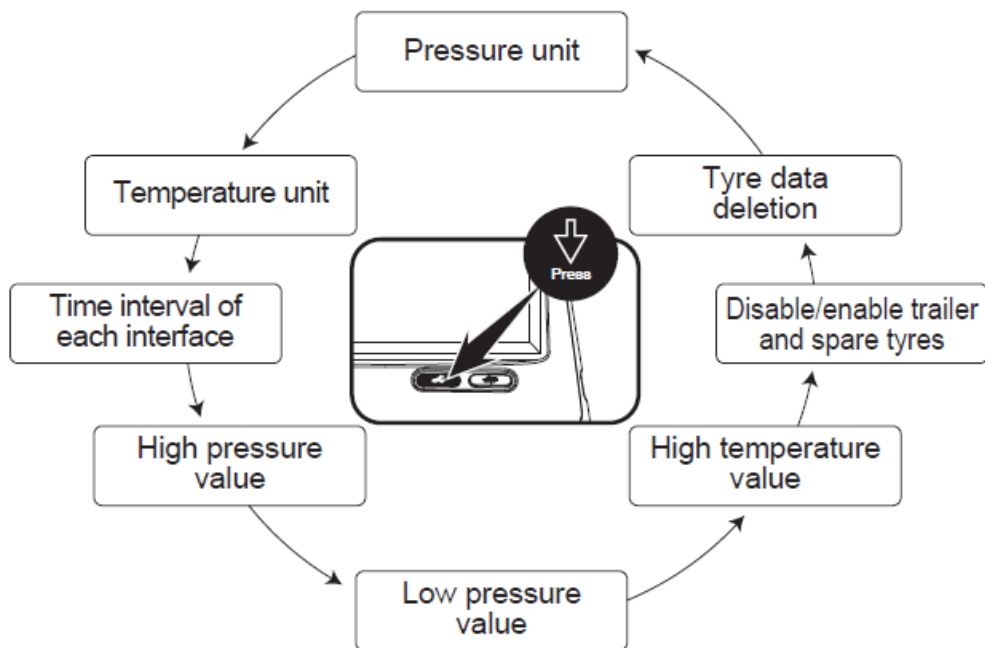
Enter The Setting Menu



Exit The Setting Menu

To cycle through the menu options, press " "





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

### 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:

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

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

### High Pressure Value Setting:

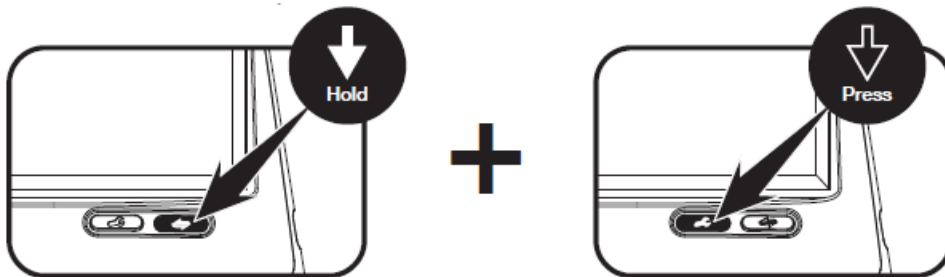
Setting Tow vehicle High Pressure Value Setting:

1. Press the “↔” button to set the high pressure value.
2. Press “🔧” to save and proceed to the next setting.



Setting Trailer / Spare High-Pressure Value Setting:

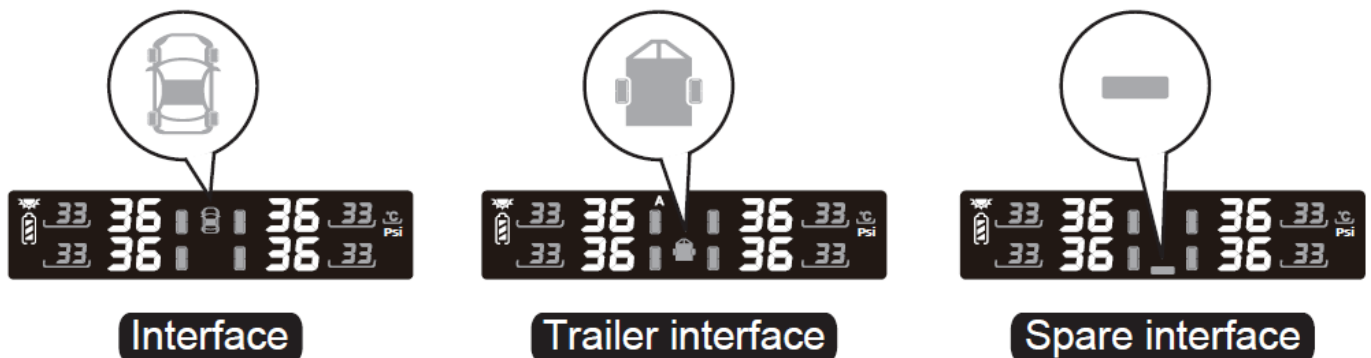
1. Press the “↔” button to set the high pressure value
2. Press and hold the “⏏” button, then press “🔧” to switch to the trailer display.



3. Press the “↔” button to set the high pressure value.
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 “🔧” to move to the next setting.



### Low Pressure Value Setting:

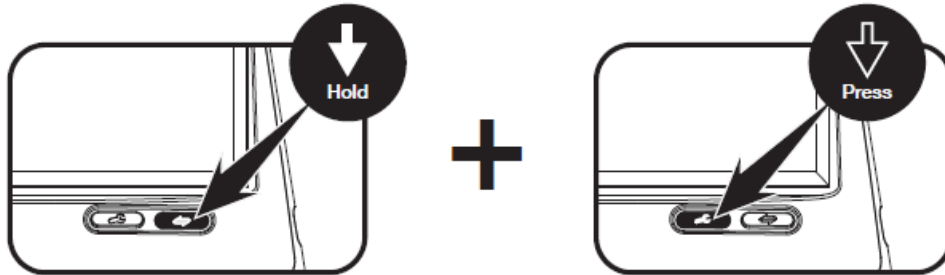
Setting Tow vehicle Low Pressure Value Setting:

1. Press the “↔” button to set the low pressure value.
2. Press “🔧” to save and enter the next setting.



Setting Trailer / Spare Low Pressure Value Setting:

1. Press the “↔” button to set the low pressure value.
2. Press and hold the “↔” button, then press “🔧” to switch to the trailer display.



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 high pressure setting for the Spare Tyre Interface, repeat steps 2 and 3.

Press “🔧” to move to the next setting.



### High Temperature Value Setting:

Setting Tow vehicle High Temperature Value Setting:

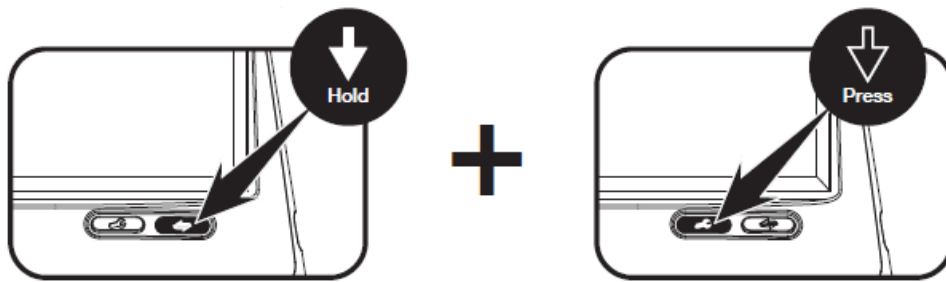
1. Press the “↔” button to set the high temperature value.
2. Press “🔧” to save and enter the next setting.



Setting Trailer / Spare High Pressure Value Setting:

1. Press the “↔” button to set the high temperature value.

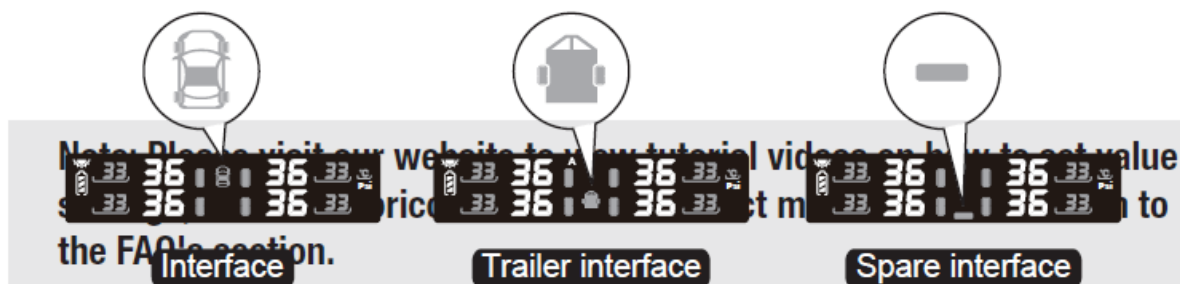
2. Press and hold the “↔” button, then press “🔧” to switch to the trailer display.



3. Press the “↔” to set the high temperature value for trailer.

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

Press “🔧” to move to the next setting.



**To Disable/Enable Trailer and Spare Tyres:**

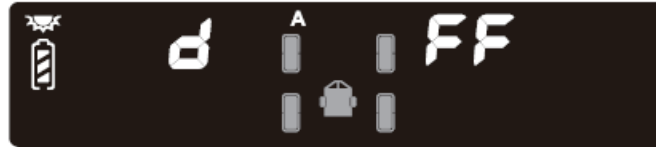
Press “↔” button to select Trailer or Spare Tyre interface, then press and hold “↔” button for 3 seconds to disable or to enable.

Press “🔧” button to save and enter the next setting.

### Trailer axles setting:



Enabled status (default) when trailer connected



Disable status when trailer not connected

### Spare tyre settings (individual):



Enabled status (default) all spare tyre sensors on.

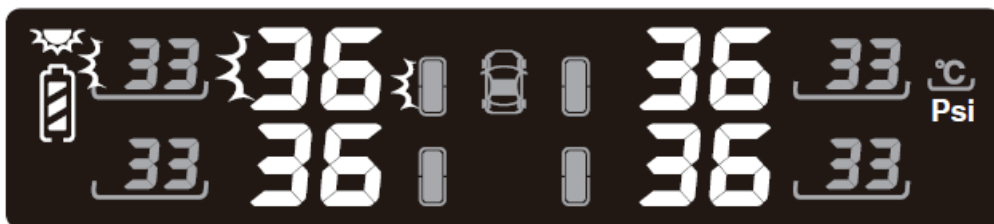


Disabled status spare tyre sensor off.

**Note:** Please visit our website to view tutorial videos on how to disable/enable sensors, Visit [www.oricom.com.au](http://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.

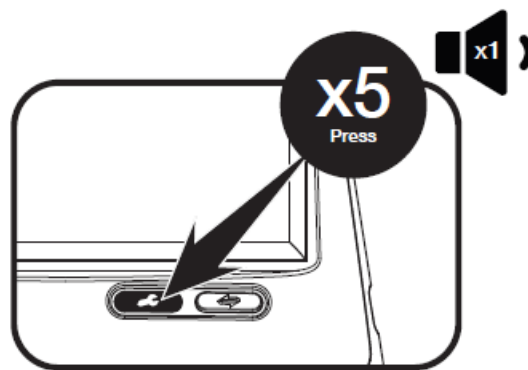
## Sensor programming

**Note:** Sensors in 4, 6 and 8 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:

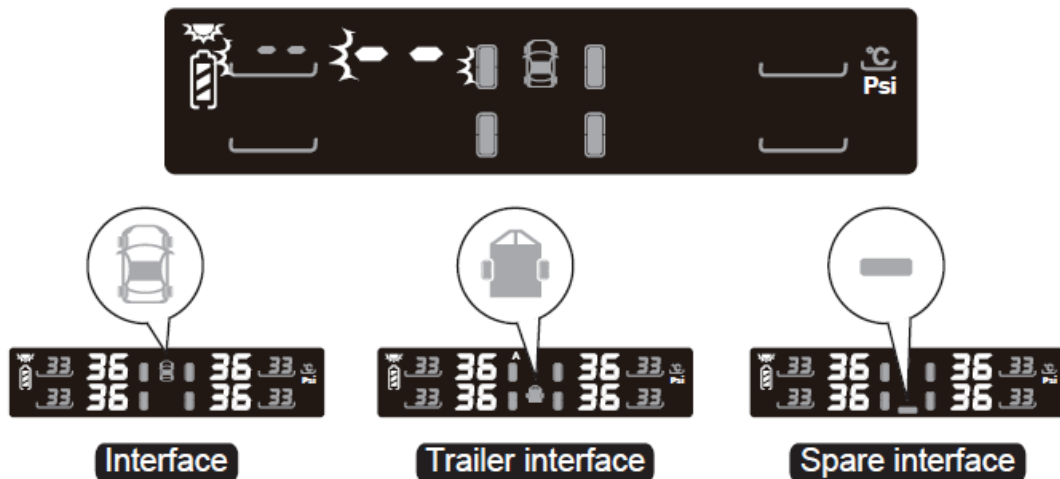
Press “🔧” button 5 times, the display will beep once to confirm you are now in sensor programming mode.



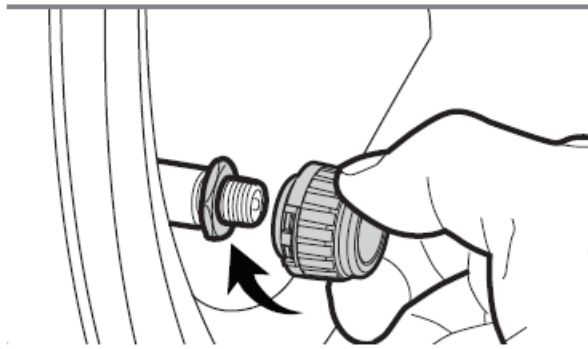
## Sensor Programming


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.

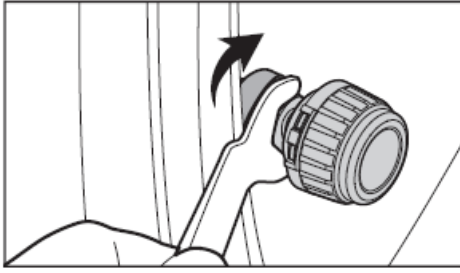
**NOTE:** Do not program sensors to Axle B.

**NOTE:**

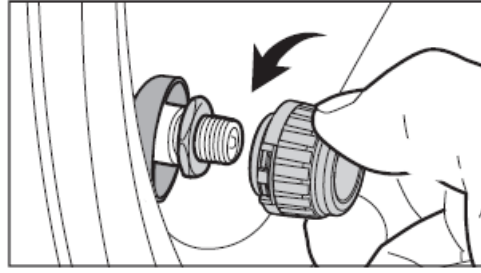
- Tow vehicle sensors can only be programmed to the tow vehicle interface. DO NOT program Trailer or Spare sensors to tow vehicle interface and vice versa.
- Spare tyre data is updated every 15 minutes or if there is a significant change in air pressure.
- Display dims and brightens depending on the 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.

## Sensor Battery Replacement

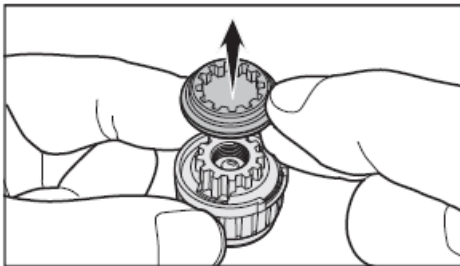
1. Unscrew the nut.



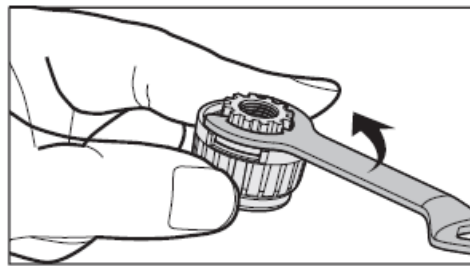
2. Unscrew the sensor.



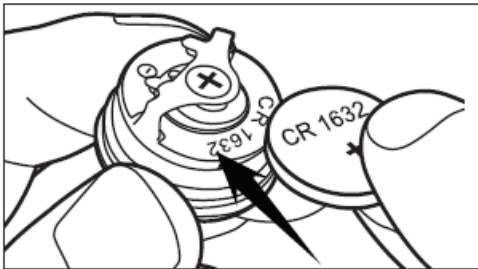
3. Take out the washer.



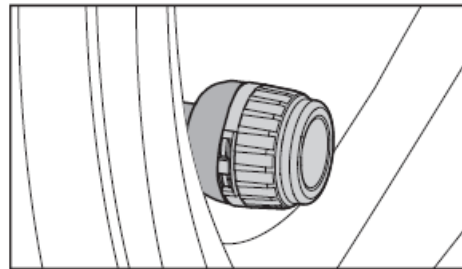
4. Unscrew the sensor cover



5. Replace the battery.



6. Repeat steps in "Sensor Installation".



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

## Specifications

### Sensor:

- Operating frequency:  $433.92 \pm 0.015\text{MHz}$
- Operating voltage: 2.3~3.3V
- Operating temperature:  $-20^{\circ}\text{C} \sim +80^{\circ}\text{C} / -4^{\circ}\text{F} \sim +176^{\circ}\text{F}$
- Range: 0~6Bar/0~86PSI

### Display:

- Operating frequency:  $433.92 \pm 0.015\text{MHz}$
- Operating voltage: 2.6~3.6V
- Operating current:  $\leq 2.5\text{mA}$



- Operating temperature: -20°C~+70°C/-4°F~+158°F

#### **Adjustable Alarm Value:**

- High pressure value: 2.6~6Bar/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

#### **Precision:**

- Temperature  $\pm 3^{\circ}\text{C}/\pm 5^{\circ}\text{F}$
- Pressure:  $\pm 0.1\text{Bar}/\pm 0.2\text{PSI}$

1Bar = 14.5PSI = 100K Pa = 1.02kgf/cm<sup>2</sup>

**NOTE:** It is recommended that the tyre pressure alarm values are set to  $\pm 25\%$  of the recommended manufacturer tyre pressure values.

#### **WARNINGS**

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 80°C (or 176°F), 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 -40°C to +80°C (-40°F to +176°F). Charge between -10°C to +65°C (+14°F to +149°F).
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](mailto: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](mailto:support@oricom.com.au)

[www.oricom.com.au](http://www.oricom.com.au)


### Oricom Support – New Zealand

0800 674 266

Monday – Friday 10am – 8pm NZST

Email: [support@oricom.co.nz](mailto:support@oricom.co.nz)

## Documents / Resources

	<p><a href="#">oricom TPS10 External Tyre Pressure Monitoring System</a> [pdf] Instruction Manual TPS10 External Tyre Pressure Monitoring System, TPS10, External Tyre Pressure Monitoring System, Tyre Pressure Monitoring System, Pressure Monitoring System</p>
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## References

- [Oricom Baby Monitors UHF CB Radios & Cordless Phones](#)
- [Oricom New Zealand | Premium Baby Monitor Technology](#)
- [User Manual](#)

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