

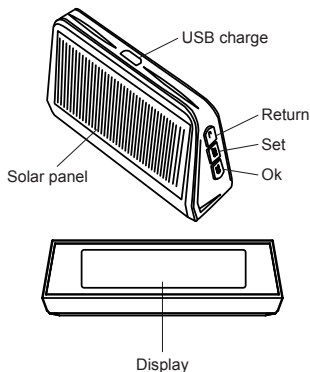
User Manual

Solar tire pressure monitoring

ITEM LIST

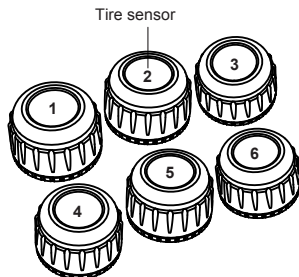
※ After unpacking, please check whether all items are included and the product is not damaged. If there is a shortage or defect, please contact the store where you purchased it.

【 Receiver introduction 】

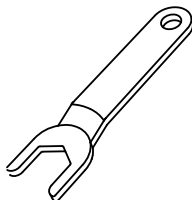


【 Tire sensor 】 (6 pcs)

※ CR1632 battery is installed in the sensor

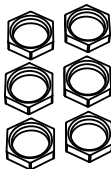


【 Special wrench 】



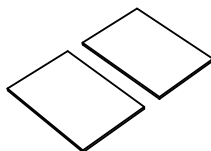
【 Anti-theft nut 】 (6 pcs)

※ Nut prevents falling off



【 Pieces of 3M glue 】

(2 pcs)



Safety instructions

Please check the following items before using this product

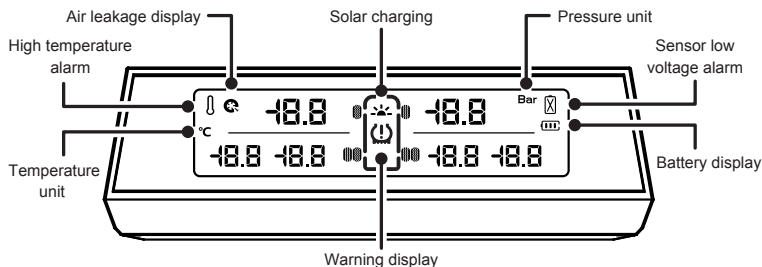
- This product is designed for use on public roads, so do not use it in harsh conditions such as track driving.
- If you want to check the receiver screen while driving, be sure to do so while the vehicle is stopped.
- In order to extend the life of the sensor battery, the device will enter power saving mode if the vehicle is stopped for a period of time (approximately 10 minutes). In power saving mode, the sensors will automatically transmit data if the vehicle speed more than 20 km/h.
- Tire pressure and temperature change according to the weather, time of day and road conditions. Especially when driving, And it is normal that the pressure value fluctuate suddenly after receiving the signal when car started.
- Tire pressure will naturally drop over time and this drop has nothing to do with this unit.
- Please make sure the sensors were installed correctly to prevent it from falling off due to vibration or other reasons.
- When installing sensors, tight the sensors correctly. If too tight, it may damage the rubber gasket of the valve and sensor. So be careful when installing..
- After installing the sensor, use soapy water to check if there is air escaping from the sensor.
- This product can monitor, warn and remind abnormal tire pressure, but it cannot prevent the occurrence of tire blowout accidents.

About pressure and temperature

Name	Explain
Pressure unit	Psi
Pressure unit	Bar
High pressure alarm value	6 Bar
Low pressure alarm value	3 Bar
Pressure unit conversion relationship	1Bar=100Kpa≈14.5Psi
Temperature unit	°C
Temperature unit	°F
High temperature alarm value	176°F
Temperature unit conversion relationship	Celsius $\times 9/5 + 32 =$ Fahrenheit

Parts Name/Product Specifications

[Display interface description]



Pressure unit: You can choose Bar or Psi as unit, default is Bar. You can switch it in setting mode.

Tire pressure: If the tire pressure more than the High pressure alarm or less than the low pressure alarm you set, there will be sound alarm meanwhile the alarm icon will flash.

Air leakage display: Displayed when air leakage occurs.

Temperature warning display: Displayed If the tire temperature more than the high temperature value you set

Temperature unit: You can choose in °C or °F, default unit is °F, can switch in setting mode

Low battery display: Displayed when the sensor battery is low.

[Product specifications]

[Receiver Specifications]

Input power:

USB DC5V / 0.5A

Lithium battery capacity:

500mAh

Operating temperature:

-22°F ~ 176°F

Operating pressure:

0 ~ 8.0Bar (±0.1Bar)

Product size:

W89 x H29 x D65 mm

Product weight:

68g

[Sensor specifications]

Operating frequency:

433.92 MHz ±30KHz

Power and capacity:

CR1632 (140mAh)

Operating temperature:

-22°F ~ 176°F

International protection code:

IP67

Product size:

W21 x H17 x D21 mm

Product weight:

10g

Sensor battery life around:

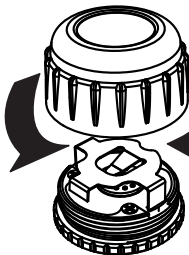
1year ※ Depending on the use environment

Installation method

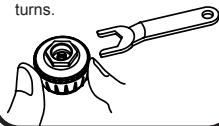
[Replace sensor battery]

- ※ When purchased, sensors already include batteries, You can use directly.
- ※ If the battery used up, battery replacement icon appears on the receiver, we recommend to replace the sensor battery.

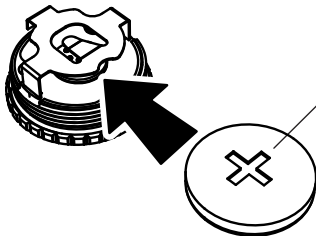
- ① Rotate sensor counterclockwise cover and remove it



If turning is difficult, hold the sensor cover and use the included special the wrench turns.

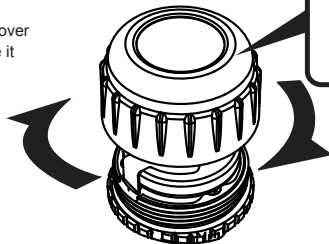


- ② Insert the CR1632 battery(with the + side faced up)



Insert it all the way, the + side faced up

- ③ Turn the sensor cover clockwise to close it securely.



NOTE: If the sensor cover is not tightened, water may enter and cause malfunction.

Installation method



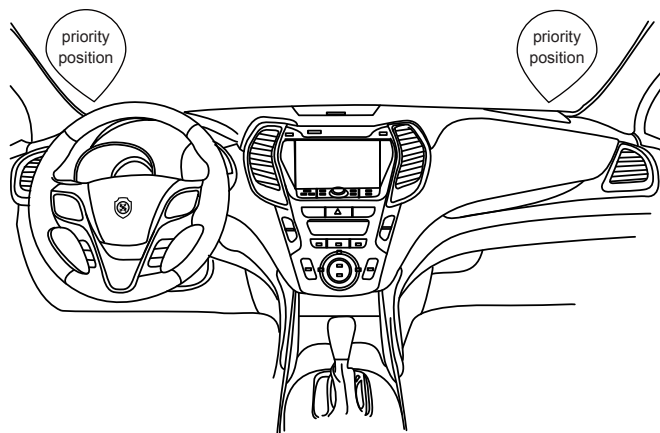
You can scan it with your mobile phone QR code to watch the installation video



※ We are unable to respond by phone or email Inquiries about installation work

【 Receiver installation 】

Use 3M tape to fix it at a suitable position on the instrument panel in the car. The recommended location area is as shown below.

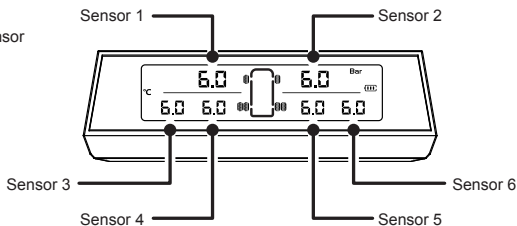


※ (Note: Install the receiver in the driver's direct view area or in a position where it is easy to see. You should try to stay away from metal and other electronic products, such as driving recorders, DVDs and other equipment on the car, try to stay away from more than 50 cm.)

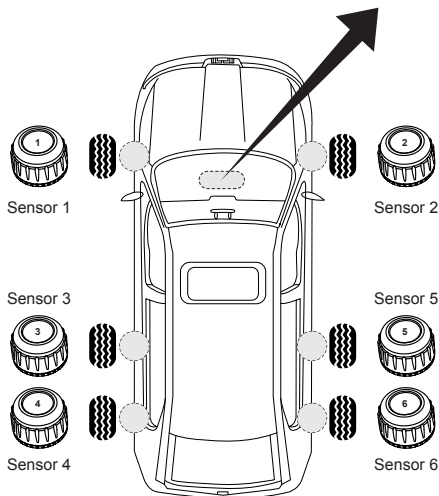
Installation method

[Sensor place]

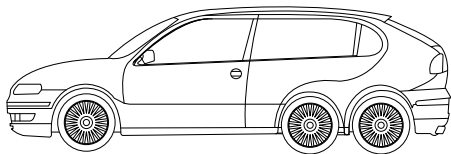
The position of each sensor on the screen.



The position of the sensor in the car.



Side view of the car.

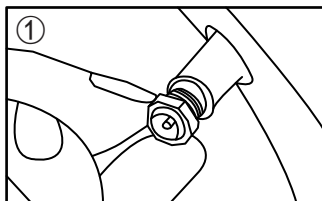


Installation method

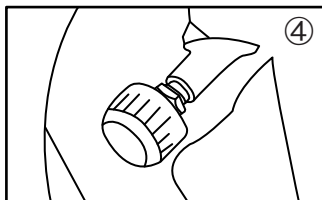
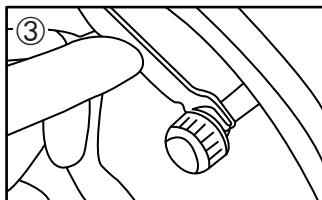
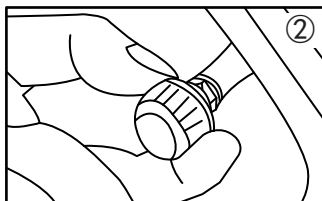
【 Sensor installation 】

※ If the sensor is installed when the valve is wet, or it may malfunction. Make sure the parts are dry before installation.

① Screw the anti-theft nut into the valve

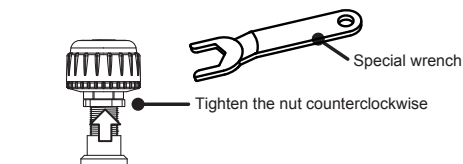


② Install the sensor onto the valve and tighten



③ Use the included special wrench to turn the nut counterclockwise to tighten it.

※ If the sensor is not screw tightly, it may fall off during using.



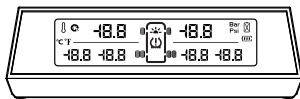
④ After installation is complete, spray soapy water around the valve and gearbox sensor to check for air leaks.



Installation method

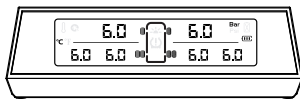
【 Turn receiver on/off 】

- ① Press and hold the return key  for 3 seconds to turn on the receiver.



Splash screen

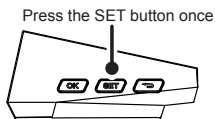
- ② The display will show the previous value (factory value). When the vehicle speed exceeds 20km/h, the tire pressure and temperature will automatically updated and displayed.



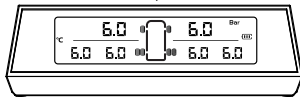
Normal screen

Check transmitter sensor battery voltage

- ① Short press the SET button, will show the voltage of the sensor battery.



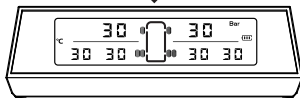
- ② Short press the SET button again, will show the battery level of the sensor battery.



Battery voltage screen

- ③ If there is no operation for 5 seconds, it will automatically return to the tire pressure interface.

※ In battery level interface, display 30, which means 3.0V.



Battery level screen

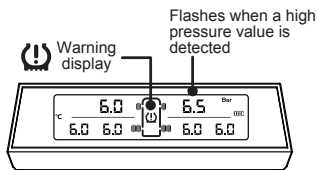
Function setting method

【 Set high pressure alarm 】

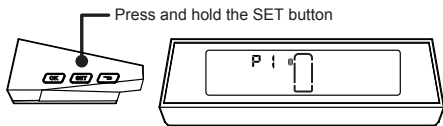
If the tire pressure more than the high pressure value you set, it will alarm.

※ Initial setting value: 6Bar

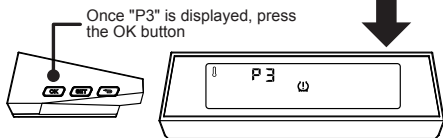
※ Setting range: 0.3Bar ~ 8.0Bar



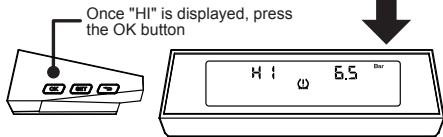
- ① Press and hold the SET button until you hear the sound "Di", and P1 will be displayed.



- ② Press the SET button several times until it show P3. Then press OK button.

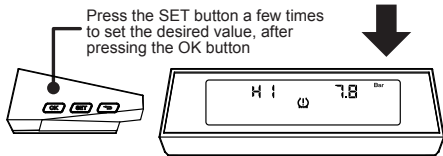


- ③ Press the SET button several times until it show H1, then press OK button (different batches the default valves may different)

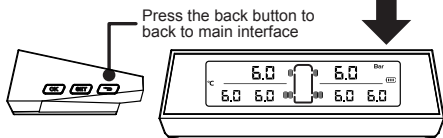


- ※ Depending on the time of shipment, the initial setting values may differ from the chart (initial setting values).

- ④ When the pressure value flashes, press the SET button to set the value you want, then press OK button to confirm it



- ⑤ Leave it or Press back button to back to main interface.



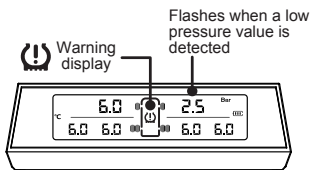
Function setting method

【 Set low pressure alarm 】

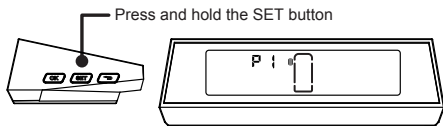
If the tire pressure less than the low pressure value you set, it will alarm.

※ Initial setting value: 3Bar

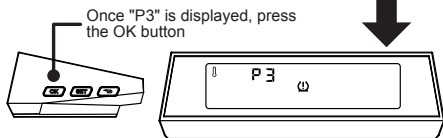
※ Setting range: 0.2Bar ~ 7.9Bar



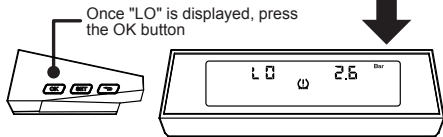
- ① Press and hold the SET button until you hear the sound "Di", and P1 will be displayed.



- ② Press the SET button several times until it show P3. Then press OK button.

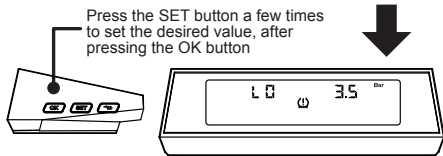


- ③ Press the SET button several times until it show LO, then press OK button (different batches the default values may different)

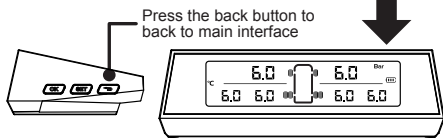


- ※ Depending on the time of shipment, the initial setting values may differ from the chart (initial setting values).

- ④ When the pressure value flashes, press the SET button to set the value you want, then press OK button to confirm it



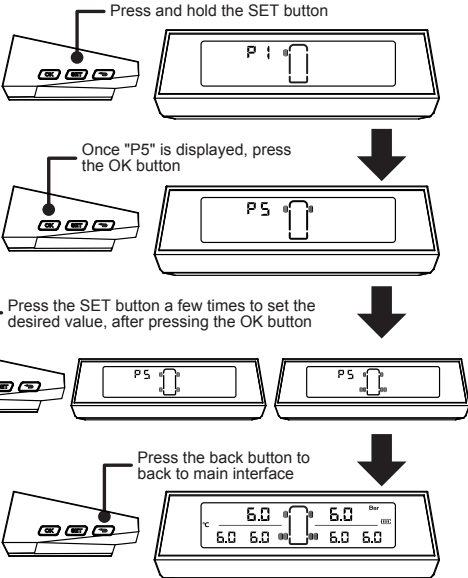
- ⑤ Leave it or Press back button to back to main interface.



Function setting method

【 Change display mode 】

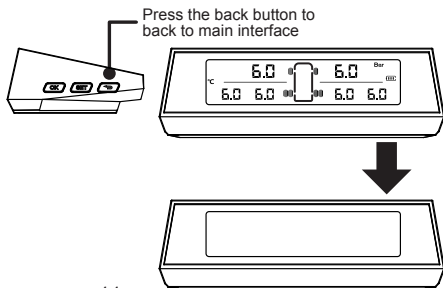
The default setting is to display pressure for all tires, But if you want, you can change it to only display 2, 4, or 6 tires.

- ① Press and hold the SET button until you hear the sound "Di", and P1 will be displayed.
- Press and hold the SET button
- ② Press the SET button several times until it show P5. Then press OK button.
- Once "P5" is displayed, press the OK button
- ③ Press the SET button several times go to 4 tires display, Press SET again go to 6 tires, then press OK button to confirm.
- Press the SET button a few times to set the desired value, after pressing the OK button
- ④ Leave it or Press back button to back to main interface.
- Press the back button to back to main interface
- 
- The diagram illustrates the process of changing the display mode. It starts with a receiver unit and a display unit showing 'P1'. An arrow points to the next step where the display shows 'P5'. Another arrow points to the next step where the display shows 'P5' with a tire icon. A final arrow points to the next step where the display shows 'P5' with a tire icon. The last step shows the display unit with a 4-tire or 6-tire display, and an arrow points to the final step where the display is off.

【 Display turn off 】

You can turn off the display of receiver. At main interface, Press and hold the Back button to turn off the display.

※ Even the display is off, the sensor still keep works.



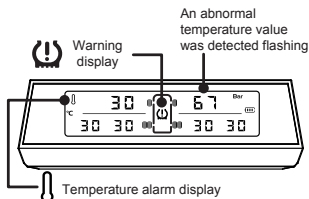
Function setting method

【 Set temperature alarm 】

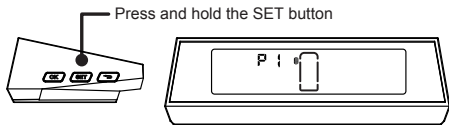
If the tire temperature more than the temperature you set, it will alarm.

※ Initial setting value: 80°C

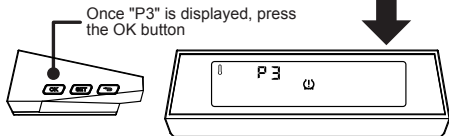
※ Setting range: 50°C ~ 92°C



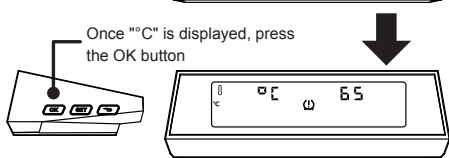
- ① Press and hold the SET button until you hear the sound "Di", and P1 will be displayed.



- ② Press the SET button several times until it show P3. Then press OK button.

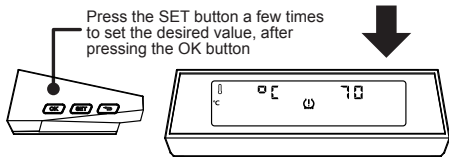


- ③ Press the SET button several times until it show °C, then press OK button (different batches the default valves may different)

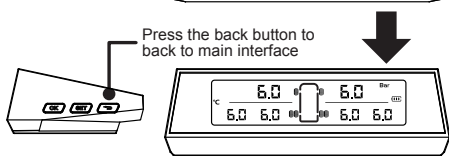


※ Depending on the time of shipment, the initial setting values may differ from the chart (initial setting values).

- ④ When the temperature value flashes, press the SET button to set the value you want, then press OK button to confirm it



- ⑤ Leave it or Press back button to back to main interface.

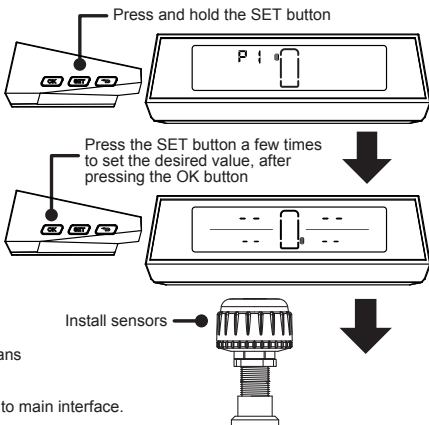


Function setting method

【 Sensor lost 】

※ When the sensor is lost or in defective, replace with new sensor, you need do the settings as following.

- ① Press and hold the SET button until you hear the sound "Di", and P1 will be displayed.
- ② Press the OK button
- ③ Press the SET button several times until the icon of the tire which you want set is flashing, then press OK button, it will display "-".
- ④ Install the sensor into the tire.
- ⑤ When you hear a sound of "Du", means setting new sensor is successfully.
- ⑥ Leave it or Press back button to back to main interface.

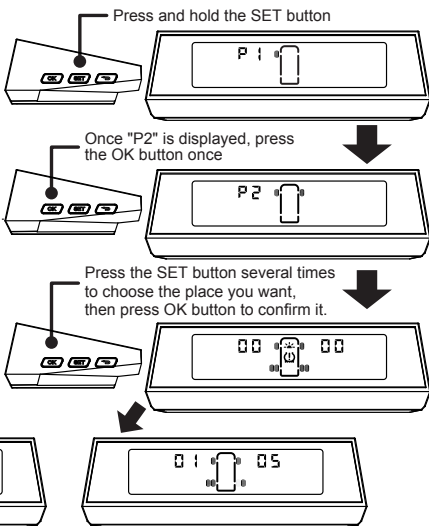


【 Sensor place change 】

※ When you change sensor place, you need make settings as following.
(This is not a feature that must be set when you purchase it)

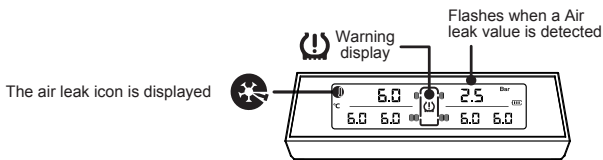
- ① Press and hold the SET button until you hear the sound "Di", and P1 will be displayed.
- ② Press the SET button several times until it show P2, then press OK button
- ③ Press the SET button several times to choose the place you want, then press OK button to confirm it.
- ④ Leave it or Press back button to back to main interface.

※ Following picture shows the tire1 and tire 5 sensor did exchange the place.



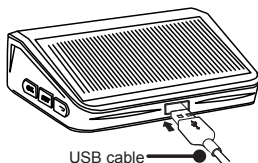
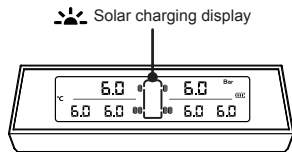
Air leak alarm

According to the measured value of the tire while driving, when the air pressure drops sharply, the alarm icon (⚠) in the center flashes, the air leakage icon is displayed, and the alarm sounds.

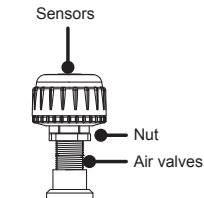


Solar charging / USB charging

When there is enough light for charging, a sun icon is displayed, also the battery icon is scrolling, This meaning the device is on charging. You can judge whether the solar charging function is normal or not by put the device in the sun to see if the sun icon appears or not. If there is no sun, you can use cable to charge the receiver.



About maintenance



When driving in snowy weather, the snow melting agent may stick to the sensor and nut, which will cause the sensor is not installed tightly. Please remove the sensor and nut from the air valve regularly to remove snow melting agent and other dirt.

Troubleshooting

If the problem still cannot be solved after taking the following measures, please stop using the product and contact the store where you purchased it to avoid accidents.

Problem Phenomenon	Cause analysis	Solution
The receiver did not display numbers	The engine of the car is off	Start the car
	Out of battery, and Usb cable is not connected	Connect the receiver with power via usb cable.
	Display is turned off	Press back button to turn on the display.
The values on receiver did not update	The car did not move after install sensors	Please drive more than 20 km/h.
	The battery icon is displayed on receiver	The sensor battery is used up, please replace with new battery for sensor.
	The wires are not tightened	Since the wires are dotted wires, do not bundle the wires when using.
Alarm notice	High pressure alarm	Please check the tire situation, and check with high pressure alarm setting you set.
	Low pressure alarm	Please check the tire situation, and check with low pressure alarm setting you set.
	Temperature alarm	Please check the tire situation, and check the temperature alarm setting you set.
There is a sound of air leakage from the sensor	The sensor cap is on leaking	Please check the condition of your tires. Retighten the sensor, making sure it is not loose.
After driving for a while, the tire pressure increased	if weather is hot, and temperature is high which caused to drive on a hot road, the tire pressure will also increased	Please check the condition of the tires, this is not a fault.

Kavomati online store will gradually launch 4-wheel tire pressure, 8-wheel or more truck tire pressure, Bluetooth tire pressure, etc. Please continue to pay attention.

Kavomati

Manufacturer: ShenZhen YiGuo Electronic Technology Co., Ltd

Address: Zip code 518108, 3F-10 Building, JiaYiDa Industrial Park, LiaoKeng New Village, Langxin community, Shiyan Street, Baoan District, ShenZhen, China

Website: <http://www.kavomati.com>

MADE IN CHINA



FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.