P458 App English manual

V1.3 2016

TPMS (Tire Pressure Monitoring Systems)

Tire Pressure Monitoring Systems (TPMS) improves safety while driving. Once installed in your vehicle, the system will automatically monitor your tires in real-time for pressure. When any tire's pressure appear abnormal, the system will, in real-time, transmit signals to active an alarm and show a digital figure to warn the driver of a problem. The system aids safety, can extend the tire life and help reduce fuel consumption.

www.orange-electronic.com



TPMS (Tire Pressure Monitoring Systems)

FCC Notice

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.

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 instruction, 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 factoring measures.

- O 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.

Caution :

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. To comply with the FCC RF exposure compliance requirements, this device and its antenna must not be co-located or operating to conjunction with any other antenna or transmitter.

System Scope of Use and Warnings

Tire pressure Monitoring System, TPMS

This system is a sensing device designated to measure and display tire operation and / or activate an alert to the driver when pressure irregularities are detected. It is the responsibility of the driver to react promptly and with discretion to alerts. Abnormal tire inflation pressure should be corrected at the earliest opportunity.

Caution :

The system is wireless RF product; therefore, it may not receive a signal due to the poor environment or incorrect operating or incorrect installation. When the system continually cannot receive any signal from any tire sensor more than 10 minutes since the system switched on power for monitoring, the system will only show a blank " ". In this case it may be caused by a RF interference environment, a driver need to drive the vehicle and leave this place. If the display still cannot receive any correct signal from tire sensor, then, a driver need to find a nearby qualified tire maintain service for checking and maintain. It may be caused by a tire sensor damages or battery power consumption. (If it is in abnormal condition, the tire sensor will continually send warning signal for driver, thus it will consume the battery quickly than normal prediction.)

System Installation and Usage

Use of the TPMS requires qualified personnel according to the instructions here to have it properly installed. This system is suitable for use on a passenger car, SUV and 4x4 tires, with up to maximum cold inflation pressure of 510 kPa (Gauge) (be, low instruction is Guage value mentioned.)

Reacting

When an alert or warning is received, reduce vehicle's speed and proceed to a safe location to stop where the tire can be inspected and / or serviced.

The low-pressure alert indicates that the air pressure has dropped to a selected minimum of the tire content which has surpassed the threshold value set.

Use of Chemicals

Temporary resealing or re-inflating products containing internal sealants or propellants in any tire assembly may adversely affect the operation of the sensor/transmitter.

Product And Accessory

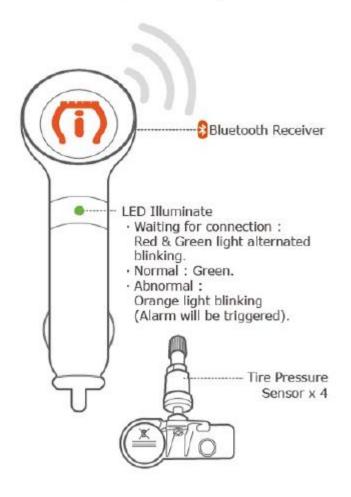
Specification

RF Sensor module

Operating Temperature	-40 °C ~ 125 °C
Operating Humidity	95% max.
Operating Frequency	433.92MHz ± 50kHz
Pressure Monitoring Range	0∼74 psi
Pressure Reading Accuracy	± 1 psi
Temperature Reading accuracy	± 4 °C
Weight	28g ± 3g

Bluetooth Receiver Module

Operating Voltage	9V ~16V
Power Consumption	< 150 mA
Storage Temperature	-40 °C ~ 80 °C
Operating Temperature	-10 °C ~ 75 °C



First Time Use P458

Before experience P458, please download (iTPMS) from APPStore or Google Play.



Pair Bluetooth receiver with smart phone

Plug receiver into car lighter socket.



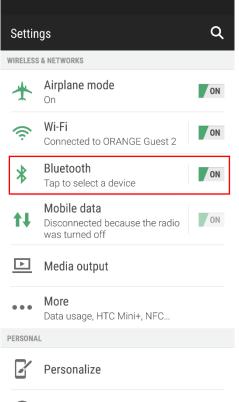


Android : Pair w/ Bluetooth receiver

1. Click "setting".



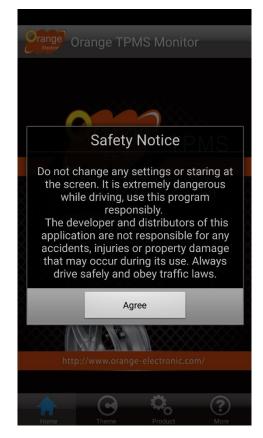
2. Turn "On" Bluetooth.



3. Select "Orange TPMS" APP.



4. Click "I Agree" after reading reminder.



Accounts & svnc

5. Select device to connect



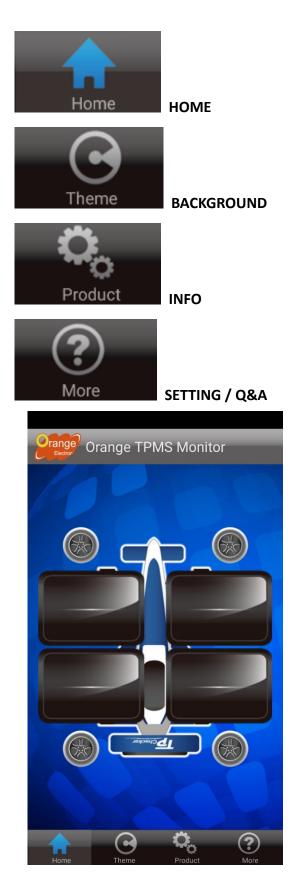
6 Main screen will show up when successfully pair.



7. Tire info will remain blank when fail or cancel to pair.



Main Entry Screen



<u>HOME</u>

[Main Page] & [Detail Entry]

Touch the main page to switch screens.





View your tires

Tire in green means both tire pressure and temperature is normal. It will be in **red** when any of the values is abnormal.



Find detail by means of clicking each of the tires. Digital will be in **red** in abnormal situation.



Under abnormal circumstance, Bluetooth and APP both will give **BEEP sound** to alert drivers.

TPMS Signal Receiving

"0" pressure/temperature in **red** will come up when signal got blocked or poor receiving. It is an alert to drivers for abnormal situation.



Sensor Low Battery Voltage

"**Battery**" symbol will come out and stands aside of any one of the sensor battery voltage is low or out of battery.

BACKGROUND

Upper : available for background color Down : available for vehicle drawing.







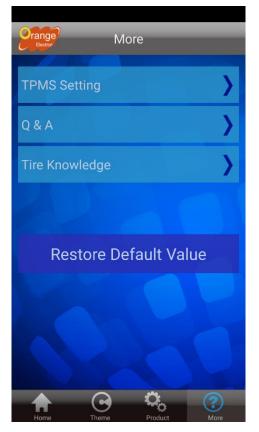
P458 product specifications

PROD Specification				
Tire Vitals Specification				
RF Sensor Module				
Storage Temperature	-40°C to 125°C			
Operating Temperature	-40°C to 125°C			
Humidity	Max 95%			
Monitoring Pressure Range	0kPa ~ 510kPa (0 ~ 74psi)			
Pressure Accuracy	±10kPa (at normal pressure)			
Temperature Accuracy	±4°C			
Transmission Power	MAX 80dBuV/m			
Power Supply	3V Lithium battery			
Sensor Weight	15 ±2gm (don't include valve and screw)			
Bluetooth Receiver Module				
Operatimg Voltage	9V ~ 16V			
Power Consumption	≤ 200mA			
Home Theme	Product More			

SETTING / Q&A

TPMS Setting : System setup

Q&A : Frequent question & answer.Tire tech info : About tire safetyFactory reset : Erase setup and factory data setting.



TPMS Setting

Pressure : unit & warning range
Pair : Locate sensor ID & tire position
Rotation : tire rotation (any 2 of the tires)
Never Sleep : screen ON
Bios : OTA Wireless update
FW Version : Bluetooth receiver version
SW Version : APP version



TPMS Setting

Pressure :

(Recommended refer to vehicle placard)

Drivers can set up tire pressure warning level on APP. The system will alarm automatically when pressure is less than 80% or above 150% of the level.

End users can set up new level on APP under special circumstance, for instance, off-roading, that that has to deflate pressure less than normal. TPMS system will give alarm in light of low pressure but end users can still use and drive. Recommend to carefully use the system under the circumstance and back to normal setting as soon as possible.

Warning range is within 20 to 48 psi.

Temperature :

Temperature units are available to change.

Unit :

Pressure : psi / kpa / bar Temperature : °C/ °F



Pair :

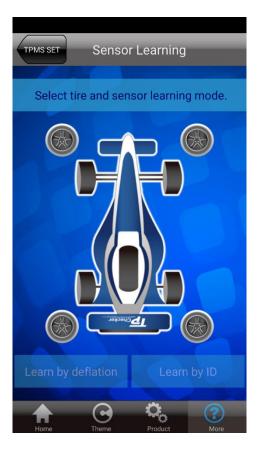
Every signal sensor has unique ID number and pre-programmed in Bluetooth receiver. It is necessary to pair sensor ID with the receiver after sensor/receiver change. End users can go through the following process to help pair successfully.

Select one of the following processes.

- A. Deflation Relearn
- B. Manual ID Input

Notice :

Do not operate this faction unless user has to swap new sensors or may cause tire position misplaced.



Pair by Deflation Relearn :

< e.g. : Left Front Tire (LF) >

- Step 1. Click "LF Tire"
- Step 2. Select "Deflation Relearn"



Step 3. Click "Yes" and see countdown popup.

TPMS SET
Sensor Learning

Select tire and sensor learning mode.
Image: Contract of the sensor learning mode.
Image: Co

Step 4. Popup "Learn by Deflation Success !"Step 5. Inflate to reach warning level..

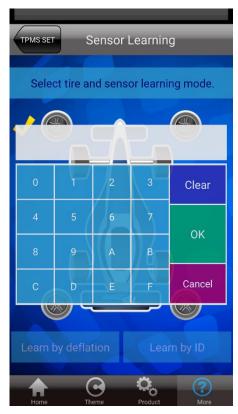


Pair by Manual ID Input

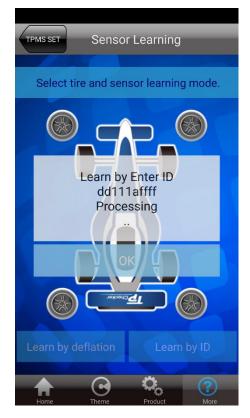
- < e.g. : Left Front Tire (LF) >
- Step 1. Click "LF Tire"
- Step 2. Select "ID number"
- Step 3. Key in ID number (6 numbers)



Step 4. Click "OK"



Step 5. Learn by Enter ID ###### Processing.



Step 6. Popup "Learn by Enter ID Success!" and click "OK"

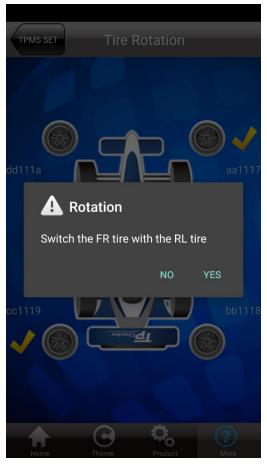


Tire Rotation

< e.g. : Right Front (RF) to Left Rear (LR) >

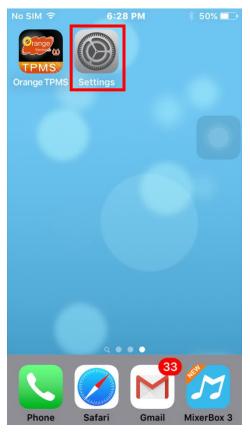
- Step 1. Select RF and LR
- Step 2. Click YES on popup.



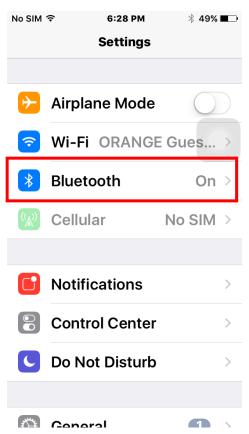


Step 3. Rotation success !

1. Click "setting".



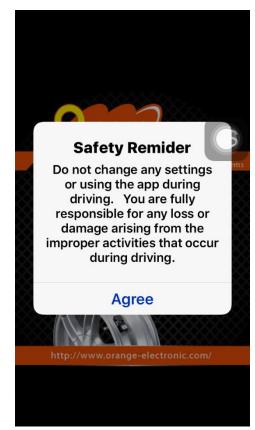
2. Turn "On" Bluetooth.



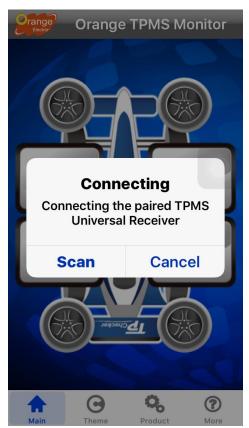
3. Select "Orange TPMS" APP.



4. Click "I Agree" after reading reminder.



5. Click "Search"



6. Select device to connect

Orange Electron	Orange	TPMS M	onitor	
	10			
Scanning				
Select a device				
TPM	S6688			
			C	
			J	
1				
<u>Cancel</u>				
•	Θ	O ₆	?	
Main	Theme	Product	More	

7. White blanks for 4 tires when click "cancel" to unconnected with the Bluetooth receiver.



8. Black blanks for 4 tires when successfully connect with the Bluetooth receiver.



Main Entry Screen



1 HOME



Theme BACKGROUND



Product INFO



More

SETTING / Q&A



<u>HOME</u>

[Main Page] & [Detail Entry]

Touch the main page to switch screens.





View your tires

Tire in green means both tire pressure and temperature is normal. It will be in **red** when any of the values is abnormal.



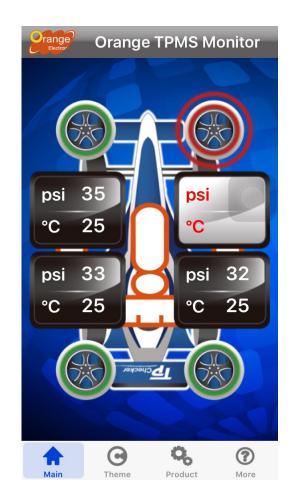
Find detail by means of clicking each of the tires. Digital will be in **red** in abnormal situation.



Under abnormal circumstance, Bluetooth and APP both will give **BEEP sound** to alert drivers.

TPMS Signal Receiving

"0" pressure/temperature in **red** will come up when signal got blocked or poor receiving. It is an alert to drivers for abnormal situation.



Sensor Low Battery Voltage

"Battery" symbol will come out and stands aside of any one of the sensor battery voltage is low or out of battery.



BACKGROUND

Upper : available for background color Down : available for vehicle drawing.











様式五

楊式六

様式七





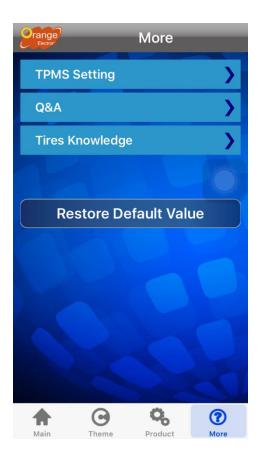
P458 product specifications

Product	Specification			
Tire Vitals Specification				
RF Sensor Module				
<u>Storage Temperature</u>	<u>-40°C to 125°C</u>			
Operating Temperature	<u>-40°C to 125°C</u>			
<u>Humidity</u>	Max 95%			
<u>Monitoring Pressure</u> <u>Range</u>	<u>OkPa ~ 510kPa(0 ~ 74psi</u>)			
Pressure Accuracy	<u>±10kPa(at normal</u> <u>pressure</u>)			
<u>Temperature Accuracy</u>	<u>±4°C</u>			
Transmission Power	<u>Max 80dBuV/m</u>			
Power Supply	<u>3V Lithium battery</u>			
<u>Sensor Weight</u>	<u>15 ±2gm (don't include</u> <u>valve and screw</u>)			
Bluetooth Receiver Module				
Operatimg Voltage	<u>9V ~ 16V</u>			
Main Theme	Product More			

SETTING / Q&A

TPMS Setting : System setup

Q&A : Frequent question & answer.Tire tech info : About tire safetyFactory reset : Erase setup and factory data setting.



TPMS Setting

Pressure : unit & warning range
Pair : Locate sensor ID & tire position
Rotation : tire rotation (any 2 of the tires)
Never Sleep : screen ON
Bios : OTA Wireless update
FW Version : Bluetooth receiver version
SW Version : APP version



TPMS Setting

Pressure :

(Recommended refer to vehicle placard)

Drivers can set up tire pressure warning level on APP. The system will alarm automatically when pressure is less than 80% or above 150% of the level.

End users can set up new level on APP under special circumstance, for instance, off-roading, that that has to deflate pressure less than normal. TPMS system will give alarm in light of low pressure but end users can still use and drive. Recommend to carefully use the system under the circumstance and back to normal setting as soon as possible.

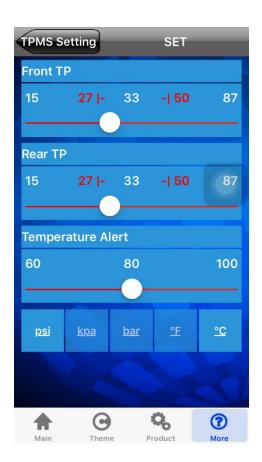
Warning range is within 20 to 48 psi.

Temperature :

Temperature units are available to change.

Unit :

Pressure : psi / kpa / bar Temperature : °C/ °F



Pair :

Every signal sensor has unique ID number and pre-programmed in Bluetooth receiver. It is necessary to pair sensor ID with the receiver after sensor/receiver change. End users can go through the following process to help pair successfully.

Select one of the following processes.

- A. Deflation Relearn
- B. Manual ID Input

Notice :

Do not operate this faction unless user has to swap new sensors or may cause tire position misplaced.



Pair by Deflation Relearn :

< e.g. : Left Front Tire (LF) >

- Step 1. Click "LF Tire"
- Step 2. Select "Deflation Relearn"



Step 3. Click "Yes" and see countdown popup

 PMS Setting
 Sensor Learning mode.

 Select tire and sensor learning mode.
 Image: Content of the sensor learning mode.

 Image: Content of the sensor learning mode.
 Image: Content of the sensor learning mode.

 Image: Content of the sensor learning mode.
 Image: Content of the sensor learning mode.

 Image: Content of the sensor learning mode.
 Image: Content of the sensor learning mode.

 Image: Content of the sensor learning mode.
 Image: Content of the sensor learning mode.

 Image: Content of the sensor learning mode.
 Image: Content of the sensor learning mode.

 Image: Content of the sensor learning mode.
 Image: Content of the sensor learning mode.

 Image: Content of the sensor learning mode.
 Image: Content of the sensor learning mode.

 Image: Content of the sensor learning mode.
 Image: Content of the sensor learning mode.

 Image: Content of the sensor learning mode.
 Image: Content of the sensor learning mode.

 Image: Content of the sensor learning mode.
 Image: Content of the sensor learning mode.

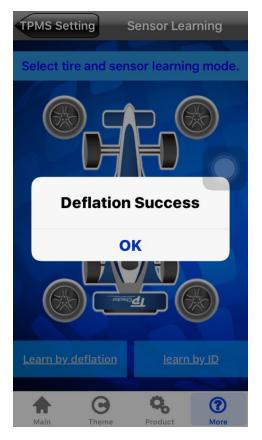
 Image: Content of the sensor learning mode.
 Image: Content of the sensor learning mode.

 Image: Content of the sensor learning mode.
 Image: Content of the sensor learning mode.

 Image: Content of the sensor learning mode.
 Image: Content of the sensor learning mode.

 Image: Content of th

Step 4. Popup "Learn by Deflation Success !"Step 5. Inflate to reach warning level..



Pair by Manual ID Input

< e.g. : Left Front Tire (LF) >

- Step 1. Click "LF Tire"
- Step 2. Select "ID number"
- Step 3. Key in ID number (6 numbers)



Step 4. Click "OK"



Step 5. Learn by Enter ID ###### Processing



Step 6. Popup "Learn by Enter ID Success!" and click "OK"



Tire Rotation

< e.g. : Right Front (RF) to Left Rear (LR) >

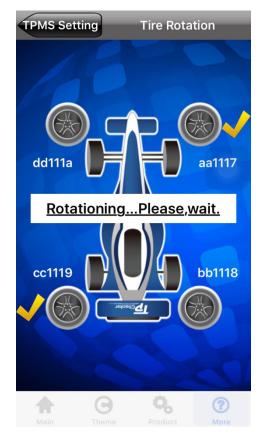
Step 1. Select RF and LR



Step 2. Click YES on popup.



Step 3. Rotation in process.



Step 4. Rotation success !

