### 7.LEARNING CODE BY LEAKING PRESSURE

Press and hold on the RIGHT（—）button for 3 seconds, release the button after hear 1 long chirp,the system get into tire code learning mode. The LF tire icon flashing. Then press the RIGHT（—）button one by one to select the right tire need to learn the code . The accordingly tire icon flashing, Then leak the pressure of the selected tire(For external sensor, just screw in and out the sensor to the tire valve).After receiving signal, the icon -- will display a digital data, it means succeed, then press the RIGHT（—）button and hold on for 3 seconds, release the button after hear 1 short chirp, the system conserve the set data and quit the mode.

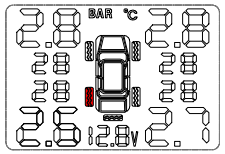
(NOTE: ONLY WHEN CHANGE SENSOR OR DISPLAY, LEARNING CODE IS NECESSARY)

### 8.TIRE EXCHANGE

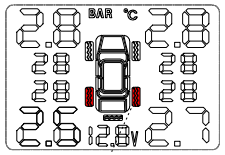
When the car owner need exchange the tire location, but the tire has the built–in TPMS sensor, then can use this tire exchange function, to make sure the TPMS display the exact right data after exchange.

1.press the – button 5 times, The FL tire icon flash, it means the system get into tire exchange mode. Press – button to choose the first tire that want to exchange, press + button to confirm it. The corresponding tire icon flash.

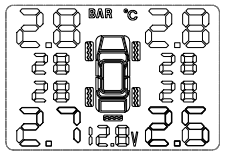
Eg. : RL sesnor




2.press – button to choose the second tire that want to be exchanged with the first one. Eg.: RR sensor




3. Press + button and hold on for 3 seconds to confirm the exchange. The system will return to the normal display mode.




## FCC Statement

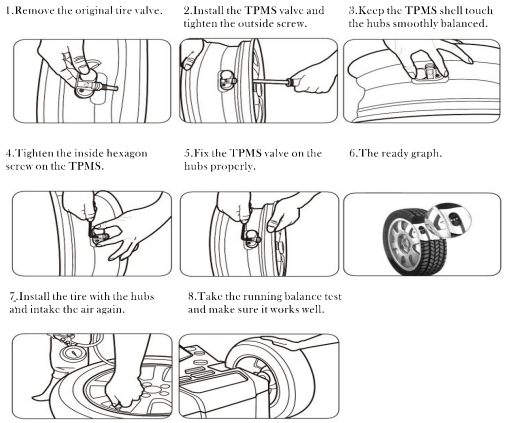
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

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.

## Internal sensor installation graph




## External sensor installation graph

## Movement/ Replacement of batteries graph
(for external sensor version)

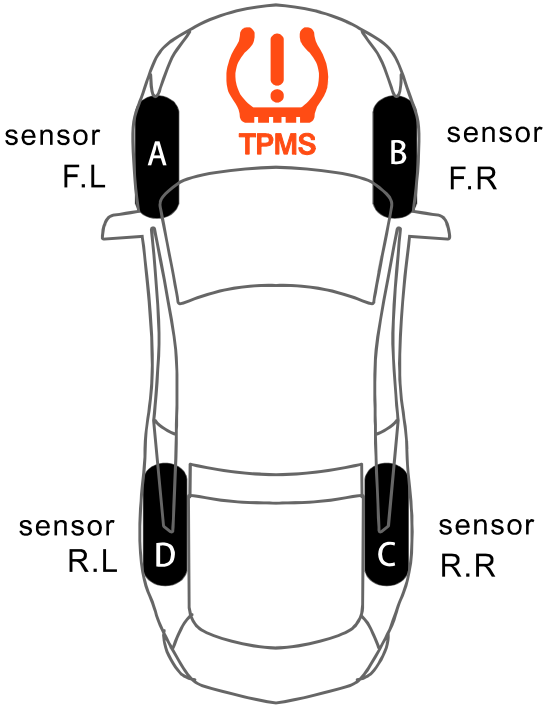
| ITEM \ UNIT | | SENSOR | DISPLAY |
|---|---|---|---|
| Working frequency | | 433. 9200MHz±0. 1MHz | |
| Workong voltage | | 2.0～3.6V | 5V |
| Working current | | static current≤1uA | static current≤30uA |
| | | Dynamic≤18mA | Dynamic≤8mA |
| Working environment | Temperature | -40℃～+125℃ | -40℃～+85℃ |
| Monitoring scope | Temperature | -40℃～+99℃ | |
| | Pressure | 0bar～5. 0bar | |

# TPMS

## CIG PLUG TPMS

### USER'S MANUAL AND INSTALLATION GUIDE

### TP620

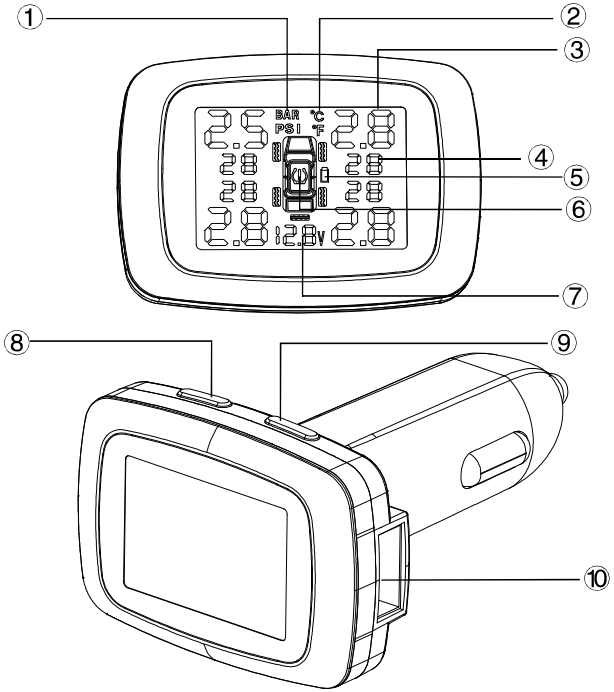


# 1.FUNCTIONONS AND FEATURES:

（FUNCTIONS AND FEATURES）

1.Real time monitor the pressure and temperature of the tires
2.Intelligent sleeping mode for power saving
3.Tire leaking warning
4.Visual and audible warning for abnormal tire pressure and temperature
5.4 tires pressure and temperature data at a glance
6.Fixed Bar or Psi pressure unit for selection
7.Fixed ℃ or ℉ temperature unit for selection

(This product can real time monitor the pressure and temperature of the tires, and give the warning. But can not prevent the accident happen. So we are not responsible for the direct or indirect loss because of the damage of this product)




1.Pressure unit 2.temperature unit 3.Pressure data
4.temperature data 5.sensor battery 6.warning signs
7.Battery Voltage 8.LEFT（+） 9.RIGHT（−）
10.USB

# 3.PARAMETER SETTING REFERENCE

1.Before using this product,paease press any button on the display to open it,charge the display for3–4 hours with the cigarette plug charger.

2.Factory default parameter setting

| Factory default seting | Parameter setting range |
|---|---|
| HI pressure alarm data：3.0Bar | 1.1–5.0Bar |
| low pressure alarm data：2.0Bar | 1.0–4.9Bar |
| HI temperature alarm data：70℃ | 60–90℃ |

3.1Bar=14.5Psi

# 4.OPERATION INSTRUCTION

1.when the ACC ON, the display will get into self–test mode for 2 seconds.
After 2 seconds, all icons will be displayed on the LCD screen, and ready to receive the new data. When the ACC OFF, the display will be OFF(If the CIG plug still have power even the ACC OFF, The display will get into auto sleeping mode after 15 minutes)
2. When the speed up to 20kilometers, the sensor will be activated, and start to detect and send the Pressure and temperature data
3.Alarming instruction
a) When tire pressure over the set range or tire is leaking, the corresponding tire position, pressure data and the alarm icon will flash together,and the built–in buzzer will chirp as: Bi Bi···.
Note: press any button can stop the buzzer, but all corresponding icons still flash,
b). When tire temperature over the set data, the according tire position , temperature data and high temperature alarm icon will flash together, and the built–in buzzer will chirp as: Bi Bi···.
Note: press any button can stop the buzzer, but all corresponding icons still flashc).
When sensor battery is low, the according tire position icon, sensor low battery icon will flash together, and the built–in buzzer will chirp as: Bi Bi···.
Note: press any button can stop the buzzer, but all corresponding icons still flash

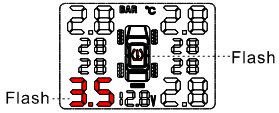
# 5.ALARM STATUS GRAPH

**Leaking or low tire pressure alarm** Bi.Bi.

Eg:L.R.tire leaking or low tire pressure alarm.the corresponding tire position ,pressure data and the alarm icon will flash together,

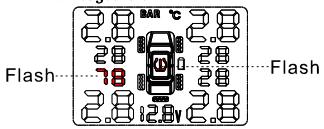
**High tire pressure alarm** Bi.Bi.

Set range:1.7～3. 4Bar Eg:L.R. tire high pressure alarm.the correspondingtire position , pressure data and the alarm icon will flash together,



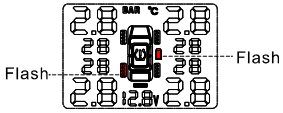

**High tire temperature alarm** Bi.Bi.

Factoru default setting : 70℃ Eg : L. R. Tire high temperature alarm.temp erature data and high temperature alarm icon will flash together.



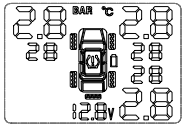

**Sensor low battery** Bi.Bi.

Sensor battery normal life:3-5years Eg:L.R.Tire high temperature alarm.the according tire position , sensor low battery icon will flash together




**Sensor not work** Bi.Bi.

Eg:L.R.tire sensor not work the corresponding tire position icon, pressure data and the temperature will disappear together




# 6.WORK PARAMETER SETTING OPERATION

1. Enter and quit setting mode:
Press LEFT（+）button and hold on for 3 seconds, release the button after hear 1 long chirp, the system enter setting mode. Press the LEFT（+）button short time to recycle among the following settings:
Bar – Psi , ℃→℉, pressure HI – pressure LO , alarm temperature HI.
Press the RIGHT（−）button to adjust accordingly data. After finishing all settings, press the LEFT（+）button and hold on for 3 seconds, after hear 1 long chirp, the system conserve all set parameters and quit the setting mode.(Note: after enter the setting mode, if there is no any operation within 3 minute, the system will quit the mode and back to normal working mode automatically)
2.Pressure unit setting:
Press and hold on the LEFT（+）button for 3 seconds, release the button after hear 1 long chirp, the system get into pressure unit setting mode. the Bar icon flash, press the RIGHT（−）button to adjust the unit, then press the LEFT button and hold on for 3 seconds, release the button after hear 1 short chirp, the system conserve the set data and quit the mode.( Factory default setting: Bar)
3.Temperature unit setting:
Press and hold on the LEFT（+）button for 3 seconds, release the button after hear 1 long chirp,the system get into the setting mode. Then press the LEFT（+）button one by one to get into temperature unit setting status. The ℃ icon flash, press the RIGHT（−）button to adjust the data, then press the LEFT（+）button and hold on for 3 seconds, release the button after hear 1 short chirp, the system conserve the set data and quit the mode.
4.Tire pressure HI setting:
Press and hold on the LEFT（+）button for 3 seconds, release the button after hear 1 long chirp ,the system get into the setting mode.
press the RIGHT（−）button
to adjust the data, then press the LEFT（+）button and hold on for 3 seconds, release the button after hear chirp, the system conserve the set data and quit the mode.(Note: the set pressure HI data must be higher than the set pressure LO data.Pressure HI adjustable range: 1.1—5.0 Bar. Factory default setting: 3.0Bar)
4.Tire pressure LO setting:
Press and hold on the LEFT（+）button for 3 seconds, release the button after hear 1 long chirp, the system get into the setting mode. Then press the LEFT（+）button one by one to get into tire pressure LO setting status. The pressure LO data flash, press the RIGHT（−）button to adjust the data, then press the LEFT（+）button and hold on for 3 seconds, release the button after hear 1 short chirp, the system conserve the set data and quit the mode.(Note: the set pressure LO data must be lower than the set pressure HI data.Pressure LO adjustable range: 1.0—4.9 Bar. Factory default setting: 2.0Bar)
5.Tire pressure LO setting:
Press and hold on the LEFT（+）button for 3 seconds, release the button after hear 1 long chirp, the system get into the setting mode. Then press the LEFT（+）button one by one to get into tire pressure LO setting status. The pressure LO data flash, press the RIGHT（−）button to adjust the data, then press the LEFT（+）button and hold on for 3 seconds, release the button after hear 1 short chirp, the system conserve the set data and quit the mode.(Note: the set pressure LO data must be lower than the set pressure HI data.Pressure LO adjustable range: 1.0—4.9 Bar. Factory default setting: 2.0Bar)
6.Alarm temperature HI setting
Press and hold on the LEFT（+）button for 3 seconds, release the button after hear 1 long chirp, the system get into the setting mode. Then press the LEFT（+）button one by one to get into alarm temperature HI setting status, the icon flash, press the RIGHT button to adjust the data, then press the LEFT（+）button and hold on for 3 seconds, release the button after hear 1 short chirp, the system conserve the set data and quit the mode.(Note: temperature HI adjustable range: 60℃ – 90℃, Factory default setting: 70℃)
( Factory default setting: ℃)