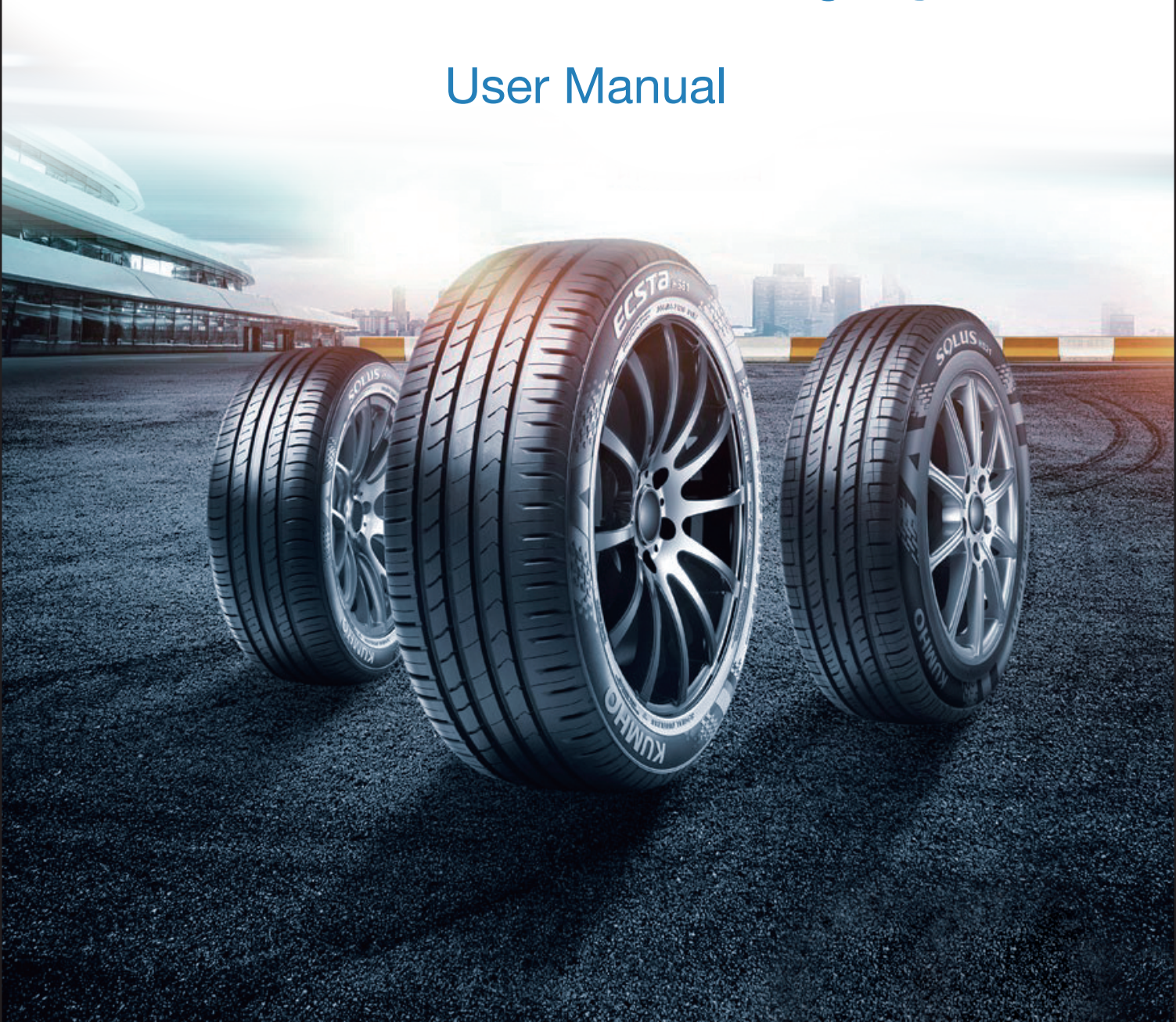
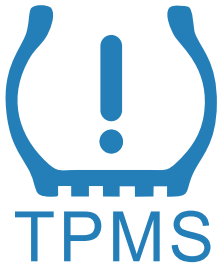
TPMS

Tire Pressure Monitoring System

User Manual





Tire Pressure Monitoring System

Notice

* Please do confirm the tire's standard pressure and type, and understand this manual well before using the product, make sure that you can install it correctly.
* The product can monitor the tires effectively, but can't avoid any sudden accidents.
* Injecting chemicals (such as leak-proof glue) will damage the sensors.
* Users have no need to pay attention to it all the time, lest detract attention.

TPMS brief introduction

This product includes sensors and one display. Each 4 seconds the sensor will detect the tire pressure and temperature one time, every 1min it will transmit the tire pressure and temperature data in wireless mode to the display in the cab, the display processes the received data and displays, it compares the data with the setting value and alarms when abnormity happens.

Display Interface Introduce

The display built-in rechargeable lithium battery, and battery using solar charge, users need not be equipped with batteries, without the use of on-board power supply, only when the solar panel is a failure, can choose to use on-board power supply, power supply voltage reference monitor technology parameter; The display built-in vibration switch, when the monitor automatically enter sleep state, driving automatically monitoring.

Display installing

1. Use the factory supplied 3M glue on the car windshield or dashboard fixed;
2. When the battery panel can not work, or when there is no sunlight for a long time, you can use a computer or car USB charging the display, battery life display, refer to the technical data section;
3. The monitor installation, without constant observation data show that when there is abnormal tire pressure or temperature, the display will automatically alarm, so long-term observation, affect driving safety.

Product Features

System boot and shutdown

In the monitor off state, while holding down the "OK" and "REC" button for 3 seconds, the LCD has been lighted, the system starts.

In the monitor on state, while holding down the "OK" and "REC" button for 3 seconds, hear "beep" sound after release, at this time LCD off, the system shutdown.

Function menu

ID Learning

1、In the pressure display interface, click the "SET" button for 3 seconds, and then release the "SET" button when the "beep" is heard, and the LCD displays the left front wheel.

2、At the same time, when the left front tire symbol is flashing, click the "OK" button to enter the ID learning mode, and the ID number of the left front tire sensor LCD is displayed first.

The left front ID is shown by the icon: 98A8bC08.

2.1、At the interface of NO.2, if you click the "SET" button, you will move to the right front tire symbol, while the ID number of the right front tire, and then click SET, then enter the left and right ID display interface.

The right front ID is shown by the icon:4AAAb100

3、In the case of NO.2, click the "OK" button, then enter the left front tire ID learning wait state.

At this point, if you click the back button, you will be returned directly to the second step.

4、In the left front ID learning wait state, that is, after the completion of the third step, the installation of the left front tire of the sensor is inflated or air-bleed, so that the sensor into the ID code of the activation mode.

When air-bleed, the need for continuous air-bleed, and the time of the air-bleed time of not less than 8s, the maximum pressure of the tire can not exceed the maximum pressure.

4.1、If the user uses an external sensor, it is only required to remove the external sensor from the left front tire or re install;

When learning, you can hand over the monitor in the side of the tire, the side of the gas or the outer sensor, the side of the observation of the device.

5、When the sensor is activated ID learning mode, the display will receive a learning signal, and prompt the beep, while showing the latest ID number.

The new sensor ID is :407A1109.

6、After the new sensor ID number is displayed, LCD will automatically store the ID number of the latest sensor, and the system will automatically jump to the right front position, while entering the right front ID learning wait state;

At this interface, if you click the back button, you can display the right before the original ID number, and then click the OK button to enter the right front of the ID to learn to wait for the interface.

7、Repeat the NO.4 or NO.4.1 and NO.5 steps, and then the corresponding tires are inflated or air-bleed or removing the external sensor, you can complete the new sensor ID learning settings.

Note: in the course of learning, only one has to install the sensor's tires were inflated or air-bleed, or need to ensure that only an external sensor in the demolition or installation process, or can not guarantee the real need to learn ID is learning into the monitor.

The order is: FL-- FR--RR--RL

8、When the automatic jump to the left rear tire, and after the left rear tire after learning, the display will stay in the left rear ID display position, not in the automatic jump, unless the user clicks SET button again, or click the back button, step by step.

9、4 tires can also be in the second step, click on the "SET" button, users choose to need to learn the sensor location, select ok, click "OK" button to enter the ID learning interface, the same as the other modes of operation.

Note: every process, you can click the back button to cancel the current is the operation steps, but has been learning success, click back can not be canceled.

Tire position adjustment

1、In the pressure display interface, click the "SET" button for 3 seconds, and then release the "SET" button when the "beep" is heard, and the LCD displays the left front wheel.(Figure 1)

2、And then click "SET"button, to adjust the selection interface to the tire position.(Figure 2)

(Figure 1)

(Figure 2)

3、Click "OK" to enter the tire position adjustment interface, at the same time, the default left front and right front interface waiting to adjust to confirm, and adjust the pressure before the display and flashing.(Figure 3)

4、When click the "SET" button, enter the other tire position adjustment choice, when the click "OK" button can be confirmation ID adjustment before the front left and right, confirmed after the corresponding pressure is reversed, as pictured FL and FR change over the schematic diagram.(Figure 4)

(Figure 3)

(Figure 4)

5、If need to enter other tire location choice, you can click the "SET" button, select the 3 or 4 steps, a total of six kinds of choices, the tire is the symbol for a need to select the location of the tire, such as the left front and left rear tire location change.(Figure 5)

NOTE: This function only when the actual tire position is replaced, in order not to remove the sensor and set the function, after the operation of this function, the sensor can not be re installed, the ID can also be stored in the actual sensor location.

Threshold adjustment

1、In the pressure display interface, click the "SET" button for 3 seconds, and then release the "SET" button when the "beep" is heard, and the LCD displays the left front wheel.(Figure 1)

2、Click "SET" button to adjust to the tire position.(Figure 2)

(Figure 1)

(Figure 2)

3、Click"SET" button again, the interface to enter the threshold adjustment.(Figure 3)

4、Click" OK" button first enters a high pressure alarm threshold setting interface, also showed high pressure alarm threshold default values 45Psi, when is greater than or equal to the 45Psi alarm.(Figure 4)

Click "OK" button and then click "SET" button, can adjust pressure alarm threshold, adjusted to the required threshold, click "OK" button to confirm, the adjustment range is:36Psi-99Psi .

5、Click the "SET" button, into the low pressure alarm threshold setting interface and low pressure alarm threshold default values 26Psi, when less than or equal to 26Psi, alarm.(Figure 5)

After you click "OK" button, and then click "SET" button, adjust low alarm threshold, adjusted to the required threshold. Click" OK" button to confirm, the adjustment range: 26Psi-35Psi.

6、Click "SET"button, can enter the high temperature alarm threshold setting interface, also showed high temperature alarm threshold default value of 80℃, when is greater than or equal to 80 ℃ when the alarm .(Figure 6)

After you click "OK"button, and then click "SET"button, adjust the temperature alarm threshold, adjusted to the required threshold. Click "OK"button to confirm, the adjustment range: 55℃- 99℃.

Setting the unit

Setting the unit of pressure

1、 Long click "SET" button under the main interface as shown in the figure below into the interface.

2、Click "SET" button again into the tire transposition to choose the interface.

3、Click "SET" button again into the threshold adjustment to choose the interface.

4、Click "SET" button again into the unit of pressure to choose the interface.

5、Click "OK" button after the main interface will display the unit of pressure about Bar or Psi flashing. Click "SET" button again to switch from the Bar or Psi pressure unit and click "OK" button after confirmation, and then click the return button, step by step out of the operation, return to the main interface as shown.

Pressure, temperature, voltage display switch(Click the "SET" button)

Pressure display.

Battery voltage display.

Alarm(When have a alarming, the corresponding tire symbol flashing, accompanied by a buzzer "beep" sound alarm)

1、Low pressure.

2、Leakage.

3、High pressure.

4、High temperature.

5、Low Battery voltage for sensor.

6、Sensor fail.

External Sensor install

Lock the Anti-theft screw

Installation the sensor

Reverse fixed sensors and screw

To sure the strong and safety

Extermal Sensor battery replacement step

1、 Tear down the shell;
2、 Remove the old battery and place good
3、 Install the new battery;
4、 The shell installed;

Internal Sensor Install

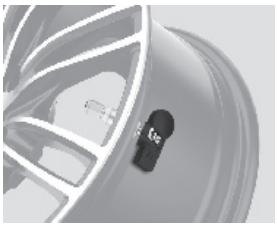
1、Remove the tire from wheel

2、Remove the old valve from wheel

3、Clear the hole of valve

4、Installation the sensor

5、Lock the screw of sensor



6、Picture show

7、Wheel moving balance

8、Install the tires to car

Remarks:

1、According to the sensor calibration position to install the corresponding tire.

2、Anti theft nut guarantee and sensor lock.

3、After installation, you need to verify whether the leak, if leak, please reinstall or replace.

External sensor technology parameters

1、Working voltage: 2. 1V-3. 5V

2、Working frequency: 433. 92MHz

3、Pressure measurement range:0-116Psi

4、Temperature measurement range:-30℃—85℃

5、Working temperature:-30℃—60℃

Internal sensor technology parameters

1、Working voltage: 2. 1V-3. 5V

2、Working frequency: 433. 92MHz

3、Pressure measurement range:0-116Psi

4、Temperature measurement range:-40℃—125℃

5、Working temperature:-40℃—125℃

Display technology parameters

1、Power supply: Solar charge

2、Working voltage: 4.5V—6.0V

3、After charging the battery operating time: 60 days(4 hours pre day)

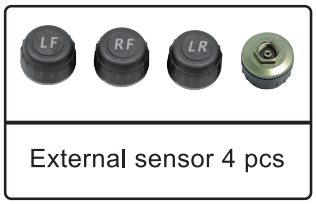
4、Working frequency:433.92MHz

5、Display type: LCD

6、Alarm: symbol, sound, light alarm

7、Working temperature:-20℃—85℃

External product list except the display



External sensor 4 pcs

3M stick 2pcs

Spanner 1 pcs

Nuts 4 pcs

Internal product list except the display

Internal sensor 4 pcs

3M stick 2pcs

Warning post:4pcs