Solar TPMS

Operating instructions

IMPORTANT: Be sure to read the instruction manual before use

This manual is for reference only specifically to prevail in kind

(1)Real-time monitoring of tire pressure & temperature

(2)Supports solar charging and USB charging

(3)Numbers for tire pressure/temperature alarm can be set

(4)Air leakage alarm, high/low pressure alarm, high temperature alarm

(5)Changeable tire position

1、Product profile

Thank you for buying our Tire pressure Monitoring system (TPMS) .This system is designed to provide you with more protection while driving.

After installing TPMS, the system can monitor tire pressure and temperature in real time. If any abnormal tire pressure and temperature are detected, the system will send warning sound and flicker icon to the driver in real time. Real-time warning and handling of problems can not only avoid traffic accidents, but also ensure the safety of drivers.
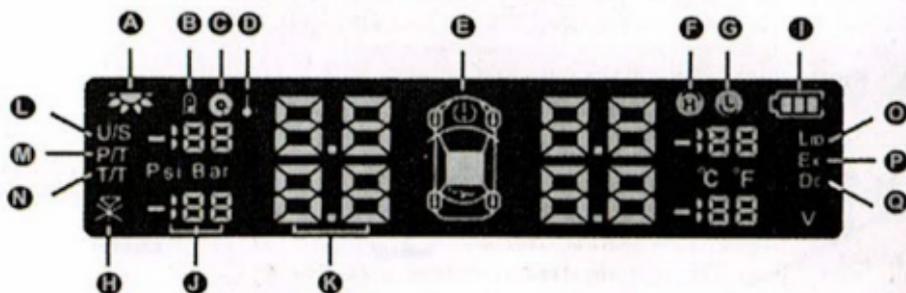
In addition, the installation of the system can effectively help improve vehicle comfort, improve driving safety, reduce vehicle wear, reduce fuel consumption, and prevent the probability of tire burst.

Please read the instructions carefully before using this product. If you have any information, you can contact the purchasing unit .

Note: the system can effectively monitor tire pressure and temperature, but can not prevent the occurrence of sudden accidents.

2、Introduction of receiving host

1) Interface description

A:Solar Power icom   B:Low power of sensor icon
C:Leakage warning icon   D:High temperature warning icon
E:TPMS alarm icon   F:High pressure warning icon
G:Low pressure warning icon   H:No signal warning icon
I:Battery status of receiver   J:Current tire ternperature values
K:Current tire pressure values   L:U/S: Units Setup
M:P/T:Pressure threshold   N:T/T:Temperature Threshold
O:Lp:LearnID   P:Ex: Exchange
Q:De: Default Setup

2) Keystroke / Key function description

① Power port:connect power cable when charging

② Right select key:select key of menu

③ Menu key:long press into menu setting

④ Left select key:selecy key of menu

3) Exception / alarm information

3) .1 Gas leak alarm

When the air pressure is lower than 1.8bar in any one tire launch cycle, the buzzer rushes alarm and flashes continuously corresponding to tire icon and pressure data and TPMS icon.

3) .2 High pressure warning

When it is detected that any tire pressure is higher than the standard tire pressure value of cold tire when the vehicle is full loaded, the buzzer rings, the corresponding tire icon, pressure data and TPMS icon flicker continuously, and when the tire pressure is lower than the alarm threshold value 0.1Bar, the alarm is released. High pressure alarm threshold is set to 3.2 Bar. by default. Suitable for all cars , for different models, please refer to the tire pressure standard value on the door post or to the tire shop, 4 S shop after adjustment.

3) .3 High temperature alarm

When the temperature of any tire is detected to be higher than the preset temperature threshold, the buzzer sounded alarm, while the tire icons and temperature data and the TPMS icons were continuously flashed, and the alarm was relieved when the temperature was below 1 degrees centigrade, and the temperature threshold was set to 70 ℃ degrees centigrade.

3) .4 Sensor low power alarm

When the battery power of any sensor transmitter is less than 2.5V, the buzzer rings alarm and flashes continuously corresponding to the tire pressure icon and the low power icon. It will continue to alarm every time it reboots, until the battery is replaced.
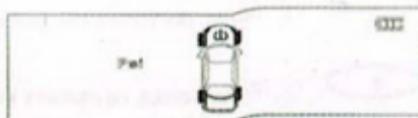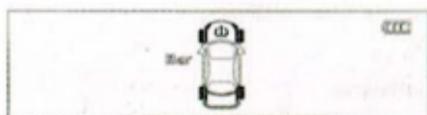
3、Function setting

The user can set the parameters according to their own vehicle condition or actual demand. If the system is not modified, the system will be out of factory by default.
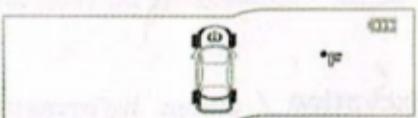
Press menu button for 3 seconds to enter the system setup state. Except for 60 seconds, the other interface has no operation in 30 seconds, the system will automatically exit to the main interface state, the unconfirmed settings will not be saved.

（No matter which parameter is set, press the menu key to return to the main interface after the settings are completed）

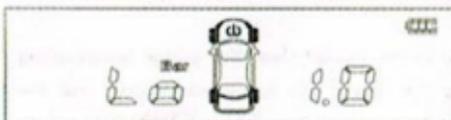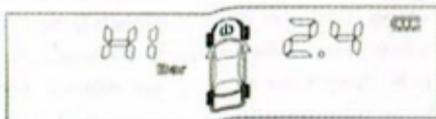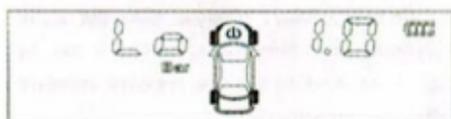## 1) Unit setting (Factory default is BAR / ℃)

Long press the "M" key to access the settings page. Press the left or right button to select the desired pressure unit. Alternatively, long press the "M" key to exit directly.
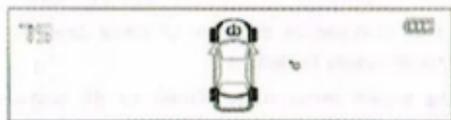
Long press the "M" key to access the settings page. Press the "M" key once more to select the desired temperature unit by clicking the left or right button. Long press the "M" key to exit directly.

2) High and low voltage alarms, as well as low voltage alarms.

Long press the "M" key to access the settings page. Press the "M" key again in succession to locate the page where you wish to set the alarm value. Select the desired alarm value by pressing the left or right button. Long press the "M" key to exit directly.

3) Change the upper and lower limits of the tire pressure value
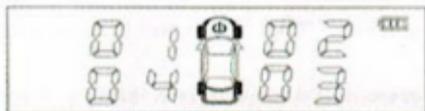### (high temperature 75 ℃)

Long press the "M" key to access the settings page. Press the "M" key again in succession to locate the page where you wish to set the alarm value. Select the desired alarm value by pressing the left or right button. Long press the "M" key to exit directly.

4) Tire change

Long press the "M" key to enter the settings page. Press the "M" key continuously again to find the tire replacement page. Press the left or right button to select the position to be swapped Long press the "M" key to exit directly

5) Set up tyre matching (filling / venting pairing)

Press and hold the left and right buttons simultaneously for 3 seconds to access the sensor learning page. Press the "M" key to select the desired position. Reinstall the sensor (for external sensors) or inflate or deflate the tires (for built-in sensors).

Upon successful learning, the page will automatically advance to the next position. At this point, you can choose to proceed with the next sensor operation or long press the "M" key to return.

4、Parameters and warranty

1) Technical parameters of tire pressure

component project		sensor	Monitor
working frequency		433.9200MHz ±0.1MHz	
working voltage		2.0 ≈ 3.6V	5V
Working current		static state ≤ 1uA	static state ≤ 50uA
		Working current ≤ 15mA	Working current ≤ 15mA
work environment	temperature	-40℃ ≈ +125℃	-20℃ ≈ +70℃
Monitoring range	temperature	-40℃ ≈ +130℃	
	pressure	0bar ≈ 3.5bar	
accuracy	temperature	±2℃	
	pressure	±0.1bar	

External Sensor Installation

1. Install the anti-theft washer firstly.
2. Tighten the sensor.
3. Use the wrench to tighten the washer by counter clock wide.
4. Finish.