

The sales package may offer products with color on color or packaging shown in this manual are different. Picture only for reference, technical specifications subject to change without notice. Parts supply may vary from market to market, please consult your local dealer.



Customer name		Telephone	
Address			
Shop name			
Model		<input type="checkbox"/> Internal	<input type="checkbox"/> External
		Item	
Warranty	One year	(Signature by shop)	
	Two years		
The date of purchase _____			



# Motor TPMS Operating Manual

**NOTE:** Please read the instructions carefully before using this product.

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# 1,Product overview

Esteemed customer:

Thank you for buying our Tire pressure Monitoring System (TPMS). This system makes you more safety when driving. It can real-time monitor tire pressure and temperature conditions. If detected any abnormal pressure and temperature of tires, the system will transmit real-time voice alarm and flash warning icon to remind the driver. Real-time monitoring and warning can not only avoid risk of traffic accident but also make passenger safety.

In addition, this system can effectively help improve the vehicle comfortableness and driving safety, reduce vehicle wear, save fuel consumption and avoid risk of flat tire.

Please read the instructions carefully before using this product. If there is any misunderstanding, please consult distributor or phone customer service, thanks!

## (1)FCC attention

This system has been comply with part 15 of FCC rules, but still need to care following precautions in the operation:

- 1.1 This products may don't work due to other harmful interference
- 1.2 System may failed due to abnormal operation
- 1.3 Tested by equipment, this system is comply with Class B. According to part 15 of the FCC rules, these limited designed is to provide meaningful protection and prevent interference source appeared in residential areas.This kind of equipment will have radio frequency to interfere wireless communication, if not follow installation guide and proper use.However, even if installed correctly also cannot ensure that there would be no interference.If this product interferes reception of radio or television , user can decide whether to close it himself. User can also adjust correct frequency to solve problem. Detail methods as follow:

A, Adjust antenna

B, Increase distance between equipment and TPMS

C, Change the position of the receiver and connection mode

## (2)Product attention

- 2.1 Operation is not suggested during driving.
- 2.2 Sensor monitors pressure and temperature of tire and signal to receiver, receiver reports pressure and temperature by number and voice. If there is any abnormal pressure or temperature, flashing warning icon and voice prompt will notice driver immediately. Drivers need to check and repair the tire immediately, in order to avoid risk of accident due to tire problem.
- 2.3 Tires have natural micro leakage phenomenon. It is a normal phenomenon that pressure of tire decreases over time. Pressure decreasing don't have directly relationship with install this products.
- 2.4 It is a normal phenomenon that pressure is unstable due to thermal expansion during driving. It don't have directly relationship with install this products.
- 2.5 Incorrectly installation will affect the use of this product or make damage. experienced technician is

preferred to install this product. please be careful not to damage the sensor transmitter when disassembling tires again. Valve of internal sensor is not available for repeat assembling/disassembling.

2.6 Please use power cable provided by factory. It is not allowed to tie receiver by power cable, as I will damage product or effect signal . And you will lose warranty.

2.7 Most of the high power equipment in the market are all have electromagnetic interference. In order to avoid electromagnetic interference, receiver is suggest to install 50 cm away from such kind of products.

2.8 There won't be notice if there is any change of products ( performance, specifications, warranty).

\* This system send signal by wireless transmission, so it may not receive signal under some certain condition, like interference, error operation or improper installation. If receiver can't receive signal for 10 minutes, please drive car away from current place ( maybe there is strong signal interference ) or go to authorized tire repair center to check is there any problem of sensor or battery of sensor is run out( battery life maybe shorter than normal use, as there is often abnormal condition occurs, sensor need to send signal to warn driver.)

## (3)Scope of application

This system is suitable for vehicle with double tires and maximum pressure of tire is below 8 bar.

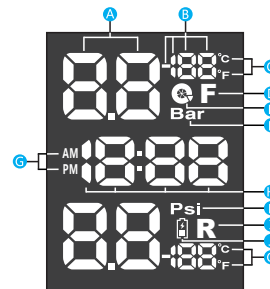
\*Suggest to check and change valve regularly every year, in order to prevent leakage of tire.

## 2、 Introduction of receiver

### (1)Key / Port description

- ② select key: selecting parameter/power off key; short pressing to adjust screen lightness
- ③ Menu key: Long pressing to enter to system setting interface

### (2)Display interface



- A Current tire pressure values
- B Current tire temperature values
- C Temperature unit icon
- D Front wheel icon
- E Leakage warning icon
- F Pressure unit icon
- G AM /PM icon
- H Current time value
- I Rear wheel icon
- J Low power of sensor icon

### (3) alarming information

#### 3.1 Leakage warning

When any of the tire's pressure decreases within any one of a launch period exceeds 4 Psi . The buzzer sounded prompt , pressure and temperature value ,icon of Warning tire and leakage icon ,the LED red light will flashed at the same time . Sound warning can be stopped by pressing any key .Leakage warning will disappeared after tire stop leak.

#### 3.2 Low pressure warning

When detected pressure of any tire is lower than low pressure alarm threshold . The buzzer sounded prompt , pressure and temperature value ,icon of Warning tire ,the LED red light will flashed at the same time . Sound warning can be stopped by pressing any key . Warning will disappeared when tire pressure 1 Psi higher than low pressure alarm threshold. Default value of low pressure alarm threshold is 22 Psi , different type of car please refer to standard pressure posted or consult with tire shop.

#### 3.3 High pressure warning

When detected pressure of any tire is higher than high pressure alarm threshold . The buzzer sounded prompt , pressure and temperature value ,icon of Warning tire ,the LED red light will flashed at the same time . Sound warning can be stopped by pressing any key . Warning will disappeared when tire pressure 1 Psi lower than high pressure alarm threshold . Default value of high pressure alarm threshold is 44 Psi , different type of car please refer to standard pressure posted or consult with tire shop.

#### 3.4 High temperature warning

When detected temperature of any tire is higher than high temperature alarm threshold . The buzzer sounded prompt , pressure and temperature value ,icon of Warning tire ,the LED red light will flashed at the same time . Sound warning can be stopped by pressing any key . Warning will disappeared when tire temperature 1 °C lower than high temperature alarm threshold . Default value of high temperature alarm threshold is 70 °C.

#### 3.5 Low power warning

When voltage of sensor's battery is lower than 2.3V. The buzzer sounded prompt , pressure and temperature value ,icon of Warning tire and icon of low power ,the LED red light will flashed at the same time . Sound warning can be stopped by pressing any key . Warning will disappeared after problem solved.

#### 3.6 No signal warning

When receiver didn't receive any data from sensor . The buzzer sounded prompt , icon of Warning tire ,the LED red light will flashed at the same time . Sound warning can be stopped by pressing any key . Warning will disappeared after problem solved . Reason of No signal of sensor include but not limit to follow: receiver is too close to interference , sensor lost , sensor damage , low power of sensor , no pressure of tire.

#### 3.7 Low power of receiver

When voltage of receiver's battery (lithium battery 480mAh) is lower than 10%. Icon of low power will flashed . The receiver automatically turn off after 30 minutes ,and didn't receive any data . please use car charge (5V 1.5A) charging in time . charging period does not affect normal use . When the power is plugged in , the LED blue light will flash continuously. If the LED blue light is on, it means it is fully charged.

## 3,Function setting (Limited by length,the pictures for you reference only. Characters of user interface in order to prevail in kind)

User can set parameter himself according to vehicle's actual demand. system default factory settings if user don't have any settings. in addition, user can also restore factory settings functional to recovery inappropriate settings. pressing“menu”key 3 seconds into system setting. all interface operation is 15 seconds expect“match sensor” and“times settings” are 90 seconds.system will automatically exit to standby interface if there is no any operation in limited time. Data can't be saved if not pressing“menu”key.

### (1)Unit setting (Default is Psi,°C)

Pressing“menu”key 3seconds in standby interface inter to unit setting interface.first enter to pressure unit switch interface. short pressing“select”key to switch the unit between Psi->Bar.short pressing“menu”key to enter to temperature unit switch interface, short pressing“select”key to switch the temperature unit between °C->°F. Short pressing“menu”key to enter to pressure threshold setting Interface.



### (2)Threshold setting (Default is low pressure 22 Psi/high pressure 44 Psi, high temperature 70 °C)

Pressing“menu”key 3seconds enter to system setting, than short pressing“menu”key 2times to enter to pressure threshold setting Interface. First option is“Front tire low pressure setting”,short pressing“menu”key to switch among“front tire low pressure”->“front tire high pressure”->“rear tire low pressure”->“rear tire high pressure” and pressing the “select”key to adjust the data. after finishing, short pressing“menu”key save the setting and enter to next setting option, in the last option“rear tire high pressure”,short pressing“menu”to enter to temperature threshold setting interface. Then short pressing“select”key to adjust data. after finishing short pressing“menu”key to enter to next option, sensor matching setting interface.



### (3)match sensor (gas charging/venting for match)

## 4,Parameter and warranty

### (1)Parameter of receiver

Operating Voltage : 3.7-5 V

Operating temperature : -2 0°C--7 5°C

Bright operating current : < 7 mA

RF Transmission frequency : 433 . 92 MHz±50 KHz

Display : LCD color screen

Storage temperature : - 3 0°C--8 0°C

RF Signal reception sensitivity : - 90 dbm

### (2)Warranty

Warranty is 1 year counted from buying date ( not include periodically consumable part ). if the product failure under normal operation, We will provide free replacement or repair during the period of warranty. We reserves the right to change new products or other equivalent product.

#### Exception to warranty :

- 1,Don't follow user manual to operate product
- 2,Product damaged because of accident,neglect,abuse,misuse
- 3,Repair without authorization
- 4,Damaged due to transportation
- 5,Other damage not because of design,technical,manufacturing and quality problem

All failure products should be sent to us or our authorized repair center, attached with detail description of defect and show original purchase invoice. Warranty card is effective only in purchased country.

This warranty is restricted to above conditions, We will not responsible for the damage related to our products (like tire explosion). This warranty provides you specific legal rights, but may also varied different rights for other countries.

Pressing “menu”key 3seconds in standby interface inter to unit setting interface. then short pressing “menu”key 7 times to enter learn ID interface, it shows IDs of double tires. Short pressing “select” key to learn Front tire ID operation,then pressing “menu”key to learn Rear tire ID operation.When tire is selected, display only shows its “ID” and flashes icon of corresponded tire. There will be “di-di” notice and display new “ID”number in receiver after active sensor's ID ( internal sensor active by charging/vent tire, external sensor active by repeat installation). When double sensors are matched, short pressing “menu”key to save and go to “times setting”interface.



### (4)Times settings(AM /PM settings, hours settings, minutes settings)

Pressing “menu”key 3seconds in standby interface inter to unit setting interface. then short pressing “menu”key 8 times to enter “times settings”interface. Display the current time, short press “select” key to enter the time setting sub-page, the default is “AM/PM” setting interface, by short pressing “Menu” to switch between “AM/PM” -> “Hour Value” -> “Minute Ten-digit Value” -> “Minute One-digit Value”. After selecting the sub-item of the desired setting, press the “Select” Key to adjust the specific value. In the last “Minute One-digit Value” setting interface, press “Menu” to jump directly to the “Default Settings” interface.



### (5)Default setting

Pressing “menu”key 3seconds in standby interface inter to unit setting interface. then short pressing “menu”key 9 times to enter default setting interface,“dF” is appeared in front tire. Long pressing “select”key 2seconds to restore default. Default is successful when “dF” is appeared in rear tire, Short press “menu key” to give up restore and go to standby mode.

### (6)shortcut setting

\* Long pressing “select”key 5seconds in the standby mode to enter sleep mode. Receiver restart to work by pressing any key.

\* Long pressing “select”key + “Menu” Key for 3 seconds in the standby mode to enter the “Time Setting” operation interface directly.