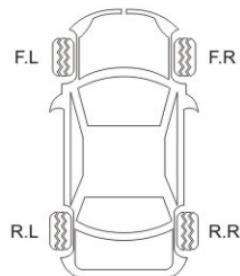


# Solar Tire Pressure Monitoring System (TPMS)

## User manual



Model:TS34

### Important note:

Please read the instruction manual carefully before use, Pictures and operation introduction of products are only as a reference, all subject to final goods

### Product Overview:

Thank you for purchasing/using our tire pressure monitoring system. This system is designed to provide you with more protection when driving, and it will warn the tire condition of the vehicle in advance.

To

After installing T P M S, the system can monitor the tire pressure and temperature in real time. If any abnormality in the tire pressure and temperature of the vehicle tire is detected, the system will send a warning sound and flashing icon to inform the driver in real time. Dealing with tire abnormalities in time can avoid traffic accidents and ensure the safety of drivers and passengers.

To

In addition, the installation of this system can effectively help improve vehicle comfort, enhance driving safety, reduce vehicle wear, reduce fuel consumption and prevent and reduce the chance of tire blowouts.

Please read the manual carefully before using this product. If you have any questions about the description of this manual, please consult the purchasing unit or call customer service.

### Button Introduction:

- USB Receiver charging port
- Left button, Power on/off (Long press)
- M Menu button, Enter (Long press at standby mode)
- Right button

### 1. Button's function:

A. Left button: when receiver power off, long press "Left button", receiver will power on; when receiver power on, long press "Left button", receiver will power off; when receiver in setting, short press "Left button" is up / previous function.

B. M button: when receiver power on, long press "M button", receiver will enter setting options; when receiver in setting, short press "M button" is confirm function.

C. Right button: when receiver in setting, short press "Right button" is down / next; Longpress "Right button", receiver will back to main menu.

### 2. Setting function details

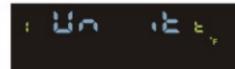
#### A. Change tire pressure unit

Long press the M key for 3 seconds to enter the bar/psi unit switching page (as shown in the figure below), press the menu key once to enter the setting state, and select the desired pressure unit by pressing the left or right button



#### B. Change tire temperature unit

Long press "M button" 3 seconds, and then press "Right button" 1 times + "M button" 1 times, system will enter setting tire temperature unit options, press "Left / Right" choose "C/°F unit, press "M button" save the setting.



C. Change alarm value of tire pressure (Defaults: High pressure value 3.1 bar / low pressure value 1.8 bar, high temperature value 68°C).

Long press "M button" 3 seconds, and then press "Right button" 1 times + "M button" 2 times, system will enter.

### 3. Change the upper and lower limits of the tire pressure value

(The factory default is high pressure 3.1 Bar / low pressure 1.8 Bar, high temperature 68 °C)

In the standby mode, long press the "menu button" for 3 seconds to enter the system setting state, and press the "right button" twice to enter the upper air pressure setting Short press the "menu button" once, the air pressure number flashes, at this time you can use the "left and right buttons" to set the upper limit air pressure, after the setting is completed, long press the "menu button" to exit.

In standby mode, long press the "menu button" for 3 seconds to enter the system setting state, press the "right button" 3 times to enter the lower limit setting Short press the "menu key" once, the air pressure number flashes, set the lower limit of air pressure parameter value through the "left and right keys", after the setting is completed, long press the "menu key" to exit.

2 PH 3.2  
Bar

3 PL 18  
Bar

#### 4. Temperature alarm value adjustment

In the standby mode, long press the "menu button" for 3 seconds to enter the system setting state, press the "right button" 4 times to enter the temperature alarm setting. Press the "menu key" 1 time, the temperature number flashes, at this time, use the "left and right keys" to set the temperature alarm value, after the setting is completed, short press the M key to save.

68  
°C

## 5. Tire exchange

In the standby mode, long press the "menu key" for 3 seconds to enter the system setting state, continue to press the "right selection key" 5 times to enter the tire exchange mode, short press the "menu key" once to confirm the tire exchange mode, there are two tire icons Keep flashing, short press the left and right "select keys" to enter the tire exchange operation, the default is "left front wheel and right front wheel exchange" state, short press the "left and right selection keys" respectively from "left front wheel and right front wheel exchange">"Left rear wheel and right rear wheel exchange">"Left front wheel and left rear wheel exchange">"Right front wheel and right rear wheel exchange">"Right front wheel and left rear wheel exchange">"The left rear wheel and the right rear wheel exchange"select one by one, and press the "menu key" once to confirm in any two-round exchange combination state. The exchange is successful. (Note: 0 means front left wheel/1 means front right wheel/2 means left Rear wheel/3 means right rear wheel)

5 00  
2

5  
3

## 5. Tyre matching

In the standby mode, long press the "menu key" for 3 seconds to enter the system setting state, continue to press the "right selection key" 6 times to enter the following page, and short press the M key 2 times to enter the 4-round pairing page (4 bars appear on the page). At this time, you only need to drive the car to 20KM/H, and it can automatically pair.

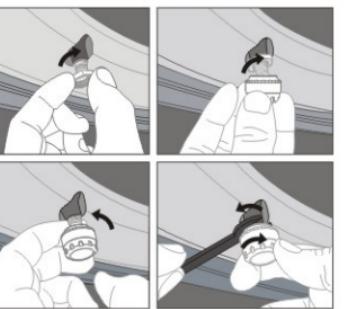
2900 2751 84

### Parameter of external sensor

Working voltage	2.1V-3.3V
Storage temperature	-30°C—85°C
Working temperature	-40°C—+125°C
Temperature accuracy	±2°C
Working pressure	0-6.0Bar
Pressure accuracy	±0.1Bar
Transmit power	≤5dBm
Transmit frequency	433.92MHz
Dimension	≥23mm (diameter) 17mm (high)
Weight	8.0g

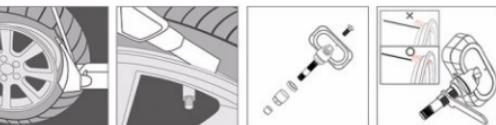
## Sensors Installation

## External sensor Installation



## Internal Sensor Installation

- Separate tire and rim.
- Cut off the rubber at the bottom of valve.
- Use screw to fix valve a bit, remove the washer, nut and dust cap.
- Mount the sensor on the valve, adjust the best sensor angle in the wheel hub by hand.
- Remove the sensor from wheel hub. Use a specialized tool to tighten the valve on the same location.



- After tighten the valve, mount it on the wheel hub.
- Mount the washer nut and dust cap.
- Mount the tire and rim, inflate the tire again.
- Test dynamitic balance match balance wight.



#### External sensor replacement battery

Before disassembling the sensor, please prepare a nut wrench, turn the nut clockwise to separate the nut and the sensor, and then remove the sensor counterclockwise; Remove the anti-fixing ring and use a wrench to unscrew the upper cover of the sensor in a counterclockwise direction; Take out the old battery from the battery holder and do a good job of environmental protection classification; Distinguish the position of the positive and negative poles (positive "+" facing up); install a new lithium battery CR1632; Screw on the upper cover of the sensor, and then tighten it clockwise with a wrench.

### FCC Caution:

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.

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

NOTE: 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:

- 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.