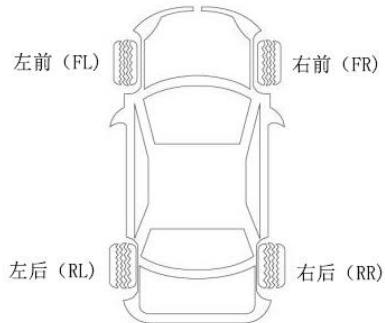
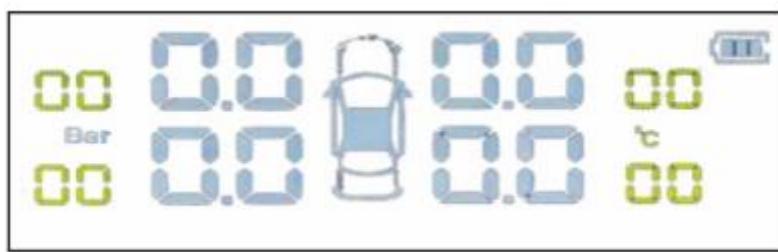


Solar-Powered Tire Pressure Monitoring System

Operation Manual



Important: Please read this manual carefully before use.

The diagrams in this manual are for reference only; the actual product shall prevail.

Introduction

Thank you for purchasing our Tire Pressure Monitoring System (TPMS). This system is designed to provide an extra layer of protection while driving by providing advance warnings about the condition of your vehicle's tires.

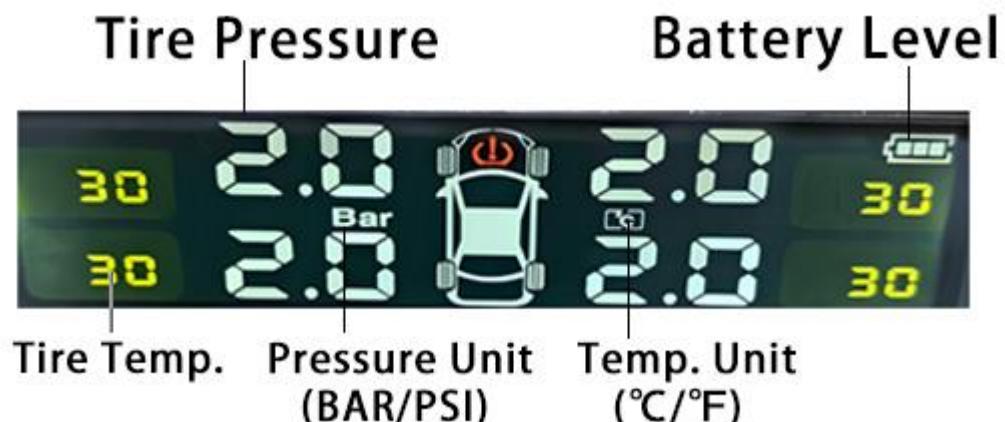
After installing the TPMS, the system continuously monitors the pressure and temperature of the tires. If any abnormalities in tire pressure or temperature are detected, the system will immediately alert the driver with a warning sound and a flashing icon. Promptly addressing tire abnormalities can help prevent traffic accidents and ensure the safety of the driver and passengers.

Please read this manual thoroughly before using the product. If you have any questions about the content of this manual, please consult your point of purchase or contact customer service.

Disclaimer

This product monitor the condition of vehicle tires in real time and alert the driver when tire abnormalities are found, but it cannot prevent tire blowouts. Please drive carefully and in accordance with road safety regulations.Thank you!

1. Main Page Introduction



2. Button Description

Host Charging Port

Left Button / Power Button

Menu (M) Button

Right Button

3. Functions of the Receiver Buttons

3.1. Left Button (Power Button): On the host interface, short-press the Left Button switches the pressure unit (e.g., BAR/PSI), as shown in Figure 1: Psi.



fig. 1

3.2. Right Button: On the host interface, short-press the Right Button switches the Temperature unit (e.g., °C/°F), as shown in fig. 1: °F.

Note: BAR corresponds to PSI, and °C corresponds to °F

4. Pairing Method between the Receiver and Tire Pressure

M Menu (M) Button: On the host interface, short-press the Menu (M) Button four times to enter pairing mode, as shown in fig. 2:



fig. 2

In pairing mode (Pairing order: Left Front (LF) -> Right Front (RF) -> Right Rear (RR) -> Left Rear (LR). After a tire is successfully paired, the system automatically advances to the next tire position). The procedure is as follows:

Start with the Left Front tire: The display will show two flashing horizontal bars (--). At this time, screw the TPMS sensor onto the valve stem of the left front tire. The host will then display the current pressure value for the left front tire, indicating successful pairing (fig. 3).

Continue pairing: Pair the Right Front (fig. 4), Right Rear (fig. 5), and Left Rear (fig. 6) tires in sequence and similarly.

Completion: After all four tires are successfully paired, the pairing information is automatically saved and the host returns to the main interface.

Failure condition: If any button is pressed or power is forcibly cut off during pairing, the pairing fails. The system will automatically exit pairing mode and no pairing information is saved.



fig. 3



fig. 4



fig. 5



fig. 6

5. Setting High/Low Pressure and Temperature Thresholds on the Receiver

5.1. Front Tire High/Low Pressure Setting: On the host interface, short-press the M button once to enter the front tire high-pressure setting (fig.7).

Press the M button again to access the front tire low-pressure setting (fig.8).

Use the Left/Right buttons to adjust pressure values.



fig. 7

fig. 8

5.2. Rear Tire High/Low Pressure Setting: After setting the front tire thresholds, short press the Middle M button to access the rear tire pressure settings. The rear tire high pressure threshold setting is shown in Fig. 9, and the rear tire low pressure threshold setting is shown in Fig. 10. Adjust values(BAR/PSI) using Left/Right buttons.



fig.9

fig.10

5.3. Front/Rear Tire Temperature Threshold Setting:

After configuring the Tire Pressure Warning (Fig. 7-10), short press the Middle M button to set the High/Low temperature thresholds. The front tire temperature setting is shown in Fig. 11, and the rear tire temperature setting is shown in Fig. 12. Use the Left/Right buttons to adjust the values.

Adjust values ($^{\circ}\text{C}/^{\circ}\text{F}$) using Left/Right buttons.

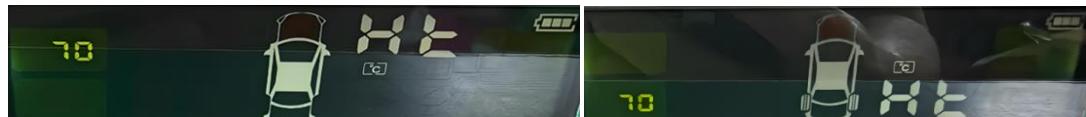


fig.11

fig.12

Note: Factory presets are as follows:

High-pressure warning threshold: 4.8 BAR

Low-pressure warning threshold: 1.8 BAR

High-temperature warning threshold: 70°C

Adjustable Ranges:

High-pressure warning: 2.5 – 6.5 BAR / 36 – 94 PSI

Low-pressure warning: 1.0 – 2.5 BAR / 14 – 36 PSI

High-temperature warning: $60 - 90^{\circ}\text{C}$ / $140 - 194^{\circ}\text{F}$

6. Product Parameters

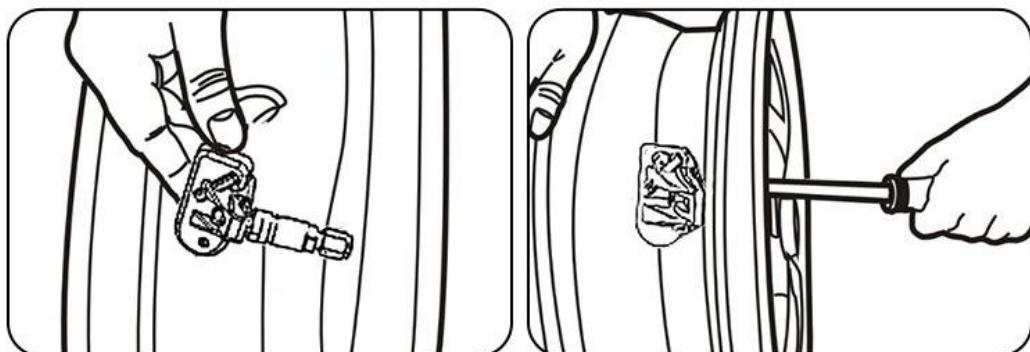
Sensor Parameters:

1	Tire pressure sensor	external/built-in optional
2	Pressure measurement range	0-6.5BAR/0-94PSI
3	Pressure error range	±0.1BAR
4	Temperature measurement range	-20-70°C/-4-158°F

Receiver Parameters:

1	Operating Voltage:	5V
2	Charging Interface	USB charging
3	Battery Capacity	500mAh

7. Built-in Sensor Installation



1. Remove stock valve stem,
then install TPMS sensor.

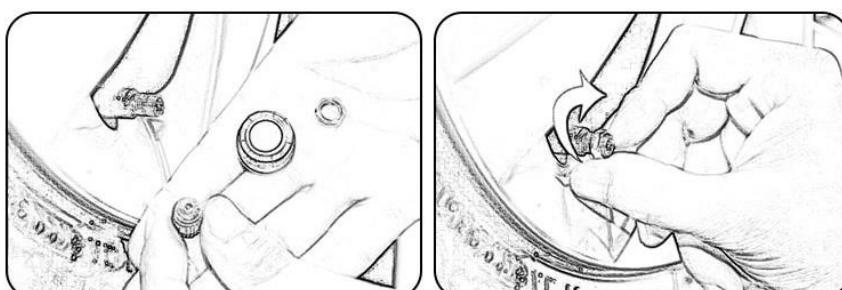
2. Reposition sensor,
tighten valve stem screw.



3. Mount wheel assembly,
then Inflate tire.

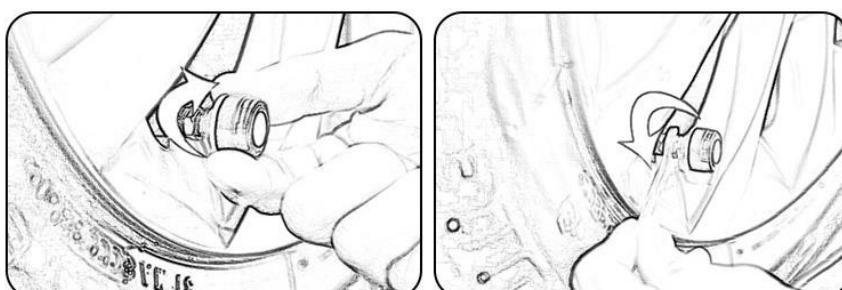
4. Balance tire on machine,
then reinstall.

8. External Sensor Installation



1. Prepare the sensors and
anti-theft tools.

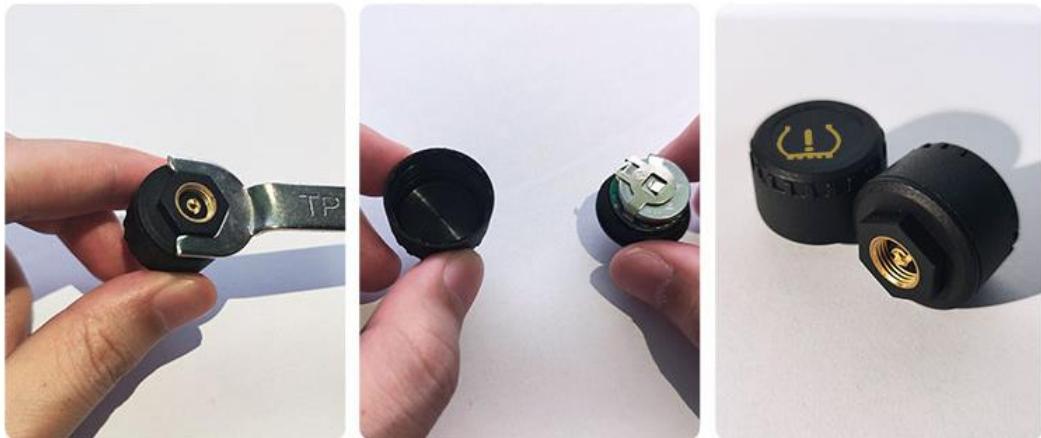
2. Tighten the anti-theft nut securely
onto the tire until it is fully seated.



3. Thread the sensor onto the
valve stem securely.

4. Rotate nut CCW with wrench to
achieve full contact with sensor.

9. External Sensor Battery Replacement



1. Remove sensor with wrench.

2. Replace the battery match +/- terminals.

3. Tighten the sensor cover securely.

The external sensor uses a CR1632 lithium battery with an operating temperature range of -20°C to 60°C. Replacement batteries can be purchased from the product vendor.

Warranty Terms and Conditions

The product includes a one-year free warranty from the date of purchase (excluding regularly replaced consumables, e.g., batteries, filters). During the warranty period, if the product fails under normal use, we will provide free repair or replacement. We reserve the right to replace the product with a new or refurbished unit of equal value.

This warranty does not cover:

1. Operation contrary to the instruction manual.
2. Damage from misuse, accident, neglect, or unauthorized modifications.
3. Repairs performed outside our authorized service centers.
4. Transportation damage.
5. Failures unrelated to defects in material, design, or workmanship.

To claim warranty service, return the faulty product to our company or an authorized service center with:

A detailed failure description.

The original purchase invoice.

This warranty is valid only in the country of purchase.

We are not liable for incidental or consequential damages arising from product use.

This warranty grants specific legal rights, which may vary by country.

Product color may differ from images in this manual or packaging. Illustrations are for reference only.

Technical specifications are subject to change without notice. Accessory availability varies by market; contact your local agent for details.

FCC Warning

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.

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:

- 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.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.