

Jansite TPMS D10 EU

Jansite Solar TPMS Tire Pressure Monitoring System

Model: TPMS D10 EU

1. INTRODUCTION

The Jansite Solar TPMS (Tire Pressure Monitoring System) is designed to enhance driving safety by providing real-time monitoring of your vehicle's tire pressure and temperature. This wireless system helps prevent accidents by alerting you to abnormal tire conditions, ensuring a safer and more efficient driving experience.

The monitor features a large, easy-to-read display and can be conveniently placed on your windshield or dashboard, allowing you to keep your eyes on the road. With its solar charging capability and efficient design, it offers continuous operation without frequent recharging.

2. SAFETY INFORMATION

Please read all safety instructions carefully before using this product. Failure to follow these instructions may result in product damage or personal injury.

- Do not attempt to disassemble or modify the device.
- Keep the device away from extreme temperatures, direct sunlight for prolonged periods, and moisture.
- Ensure sensors are securely installed to prevent detachment during driving.
- Always prioritize safe driving. Do not operate the device or adjust settings while driving.
- This system is an aid and does not replace regular tire maintenance and checks.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x TPMS Monitor
- 4 x External Sensors
- 4 x Anti-loss Nuts

- 1 x Portable Tool (Wrench)
- 1 x Charging Cable (USB)
- 1 x User Manual



Image: The main TPMS monitor unit with its display, accompanied by four external tire pressure sensors and a small wrench tool.

4. PRODUCT OVERVIEW

The TPMS consists of a main display unit and four external sensors. The display unit shows real-time tire pressure and temperature, while the sensors are installed on each tire's valve stem.

4.1. Monitor Features

- Large LCD display for clear visibility.
- Solar panel for efficient charging.
- USB charging port for alternative power.
- Built-in gravity sensing system for automatic power on/off.
- Audible alarm for abnormal tire conditions.

4.2. Sensor Features

- External design for easy installation.
- Waterproof and dustproof.
- Real-time pressure and temperature detection.

5. SETUP AND INSTALLATION

5.1. Monitor Placement

The monitor offers two installation options for optimal viewing and convenience:

- **Windshield Placement:** Attach the monitor to your windshield using the provided bracket. This position allows you to view the display without looking down, keeping your focus on the road.
- **Dashboard Placement:** Use the included stand to place the monitor on your central console or dashboard. This offers flexibility in positioning.



TWO WAYS OF INSTALLATION

The bracket is detachable and can be mounted on the center console or windshield

Image: Demonstrates the two primary installation methods for the TPMS monitor: mounted on the windshield for an elevated view

and placed on the dashboard for a lower profile.

5.2. Sensor Installation

Follow these steps to install the external sensors on your tires:

1. **Screw out valve cap:** Remove the original valve cap from the tire valve stem.
2. **Screw in six angle nut:** Thread one of the anti-loss nuts onto the valve stem.
3. **Rotate the relative tires according to the position of the sensor:** Identify the correct sensor for each tire (e.g., FL for Front Left, FR for Front Right, RL for Rear Left, RR for Rear Right).
4. **Reverse rotating top sensor with nut wrench:** Screw the sensor onto the valve stem until it is snug. Then, use the provided wrench to tighten the anti-loss nut against the sensor to secure it.
5. **Check if the air is leaking with soapy water:** Apply soapy water around the sensor and valve stem to check for any air leaks. If bubbles appear, re-tighten the sensor and nut.



Schematic diagram of external sensor installation

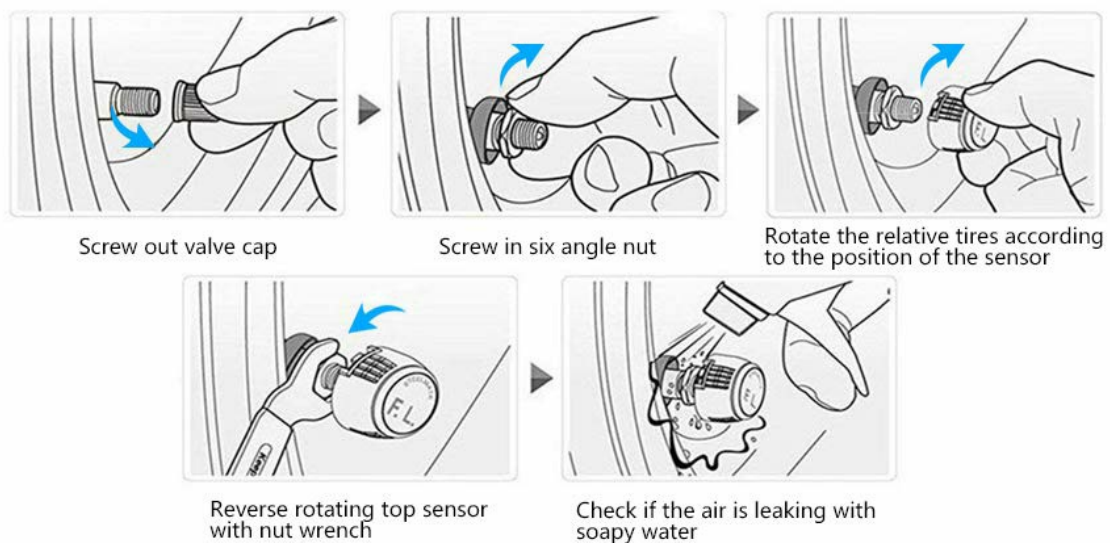


Image: A visual guide illustrating the five steps for installing the external tire pressure sensors, including securing them with anti-loss nuts and checking for leaks.

6. OPERATING INSTRUCTIONS

6.1. Power On/Off

The monitor features a built-in gravity sensing system. When your car starts and vibration is detected, the monitor will automatically turn on. When the car is stopped and no vibration is detected for a period, the monitor will automatically turn off to save power.



Vibration Start

When the car starts, it senses that the vibration is automatically turned on.

Image: Illustrates the 'Vibration Start' feature, where the TPMS monitor automatically activates upon sensing vehicle movement.

Built-in gravity sensing system

The sensor does not emit a signal when the car is stopped, the signal only occurs when the car is driving.

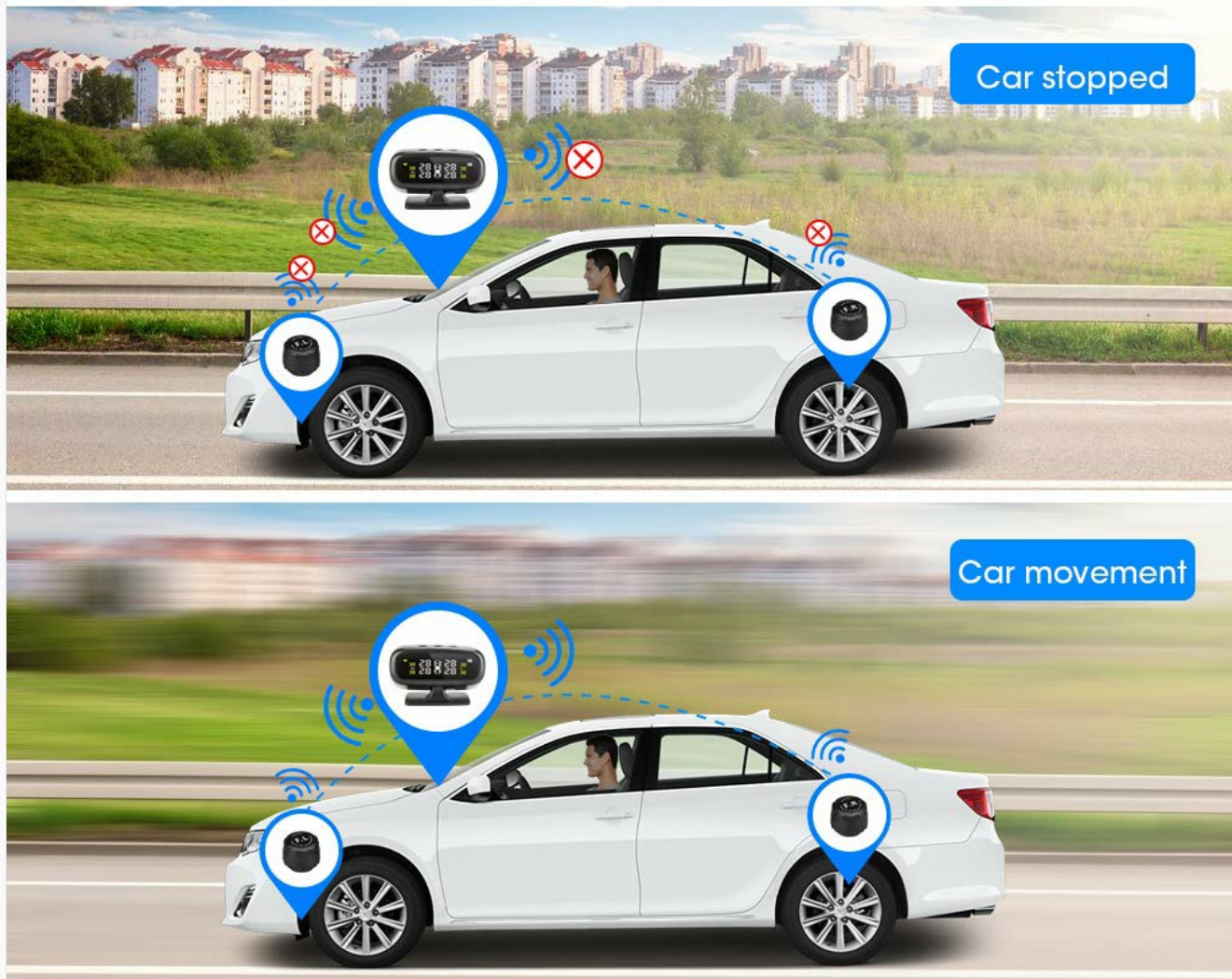


Image: Explains the built-in gravity sensing system, showing that sensors do not emit signals when the car is stopped, but transmit data when the car is driving.

6.2. Real-time Monitoring

Once powered on and sensors are installed, the monitor will display the real-time pressure and temperature for all four tires. The large LCD screen ensures easy readability while driving.

6.3. Alarm Modes

The system is equipped with six alarm modes to alert you to potential tire issues:

- **Rapid Leak Alarm:** Alerts you to a sudden and significant drop in tire pressure.
- **Slow Leak Alarm:** Notifies you of a gradual decrease in tire pressure.
- **High Pressure Alarm:** Warns if tire pressure exceeds the safe limit.
- **High Temperature Alarm:** Alerts if tire temperature becomes excessively high.
- **Sensor Fault Alarm:** Indicates a malfunction or communication issue with a sensor.
- **Sensor Low Battery Alarm:** Notifies when a sensor's battery is low and needs replacement.

Multiple monitoring alarm



Image: A graphic representation of the various alarm types supported by the TPMS, including real-time monitoring, high temperature, high pressure, low pressure, and low battery warnings.

7. CHARGING THE MONITOR

The TPMS monitor supports two charging methods to ensure continuous operation:

- **Solar Charging:** The integrated solar panel on the top of the monitor efficiently converts sunlight into power, keeping the internal battery charged during daylight hours.
- **USB Charging:** For cloudy days or when solar charging is insufficient, you can use the provided USB cable to charge the monitor via its USB charging port. This ensures the system remains powered without occupying your car's cigarette lighter socket.

Solar Charging

USB charging, Prevent night/cloudy no electricity



Image: Shows the TPMS monitor emphasizing its solar charging panel and the USB charging port, illustrating the dual charging capabilities.

8. MAINTENANCE

- **Cleaning:** Wipe the monitor and sensors with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Sensor Check:** Periodically check the sensors for tightness and ensure they are free from dirt or debris.
- **Battery Life:** The monitor's internal battery is designed for long life with solar charging. Sensors have replaceable batteries (consult manufacturer for specific battery type and replacement instructions if needed, though external sensors usually have sealed batteries or are designed for easy user replacement).

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Monitor not turning on.	Low battery; no vibration detected.	Charge the monitor via USB. Ensure the car is moving to activate the vibration sensor.

Problem	Possible Cause	Solution
No tire data displayed.	Sensors not installed correctly; sensor battery low; signal interference.	Re-install sensors, ensuring they are tight. Check for sensor low battery alarm. Move monitor to a less obstructed location.
Inaccurate readings.	Sensor not calibrated; external factors.	Ensure tires are at correct pressure before initial setup. Compare with a reliable pressure gauge.
Alarm sounds frequently.	Actual tire issue; alarm thresholds set too low/high.	Check tire pressure and temperature manually. Adjust alarm thresholds if possible (refer to full manual for advanced settings).

10. SPECIFICATIONS

Feature	Detail
Model Number	TPMS D10 EU
Brand	Jansite
Manufacturer	Vtopek
Screen Size	2 Inches
Pressure Range	0-6 Bar (approximately 0-87 PSI)
Battery Type (Monitor)	1 Lithium-polymer battery (built-in)
Charging Method	Solar / USB
Sensor Type	External
Package Dimensions	17.6 x 13.4 x 4.4 cm
Package Weight	230 grams

11. WARRANTY AND SUPPORT

Jansite products are manufactured with high quality standards. For warranty information, technical support, or any inquiries regarding your TPMS, please refer to the contact details provided on the product packaging or the official Jansite website. Please have your model number (TPMS D10 EU) and purchase details ready when contacting support.

Note: Information regarding spare parts availability is currently unavailable.