

<b>Model</b>	V11B	<b>Document Version</b>	v1.0
<b>Last Updated</b>	2026-02-08		

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### 1. Product Overview

V11B is an external tire pressure monitoring sensor (direct TPMS). It measures tire pressure and temperature and transmits data via Bluetooth Low Energy (BLE 4.0) to the TPMSII mobile app. The app displays real-time values for each wheel and can provide alarms when abnormal conditions are detected.

- ### 2. Safety and Precautions
- ⚠ TPMS is a driving aid. Always check tires regularly and follow vehicle manufacturer recommendations.
  - ⚠ Do not use the phone while driving. Configure alarms and settings before driving.
  - ⚠ If possible, have sensors installed by a professional technician.
  - ⚠ After installation, check for tire leakage before driving.
  - ⚠ Keep small parts (anti-theft screws, wrench) away from children.

- ### 3. What's in the Box (Reference)
- ✓ TPMS sensor(s) (quantity depends on the purchased kit).
  - ✓ Anti-theft screw(s) and wrench (for outer sensors).
  - ✓ QR code card (app download / one-click binding).
  - ✓ User manual.

### 4. Sensor Identification & Tire Positions

- Each sensor has a unique ID code.
- Make sure each sensor is installed and bound to the correct tire position.
- Positions: Left Front (LF) / Right Front (RF) / Left Rear (LR) / Right Rear (RR).
- If tires are rotated or sensors are swapped, re-bind the sensors in the app.

LF (Left Front)

RF (Right Front)

1. Left up      2. Right up  
3. Left Down      4. Right Down

LR (Left Rear)

RR (Right Rear)

### 5. App Installation (TPMSII)

**Option 1**

Scan the QR code on the card and download/install the app.

**Option 2**

Search "TPMSII" in App Store or Google Play Store, then download and install.

**Requirement**

Make sure your phone supports Bluetooth 4.0 or above.

- ### 6. Pairing / Binding Sensors
- Recommended method: bind by scanning code.
  - Open the app and scan the QR code card (one-click binding) to bind sensors, or scan/input the corresponding sensor ID code.
  - Alternatively, use Auto Pairing and tap Search. Keep the phone close to the vehicle/sensors during pairing.
  - After binding, confirm that each wheel position shows data (pressure and temperature).

### 7. Sensor Installation – 7.1 Outer Sensor (V11B)

Each sensor has a unique ID. Install the sensor on the corresponding tire valve.

**Step 1**

Remove the tire valve cap and put on the anti-theft screw (anti-theft ring).

**Step 2**

Screw the sensor onto the tire valve in order/position.

**Step 3**

Hold the sensor and tighten the anti-theft screw using the tool.

**Tip**

While tightening, open the app, choose Auto Pairing and tap Search to bind quickly.

## 8. Using the App

### 8.1 Tire Pressure Display

- The main screen shows pressure and temperature for each wheel.
- Tap a wheel position to view details and status messages (if supported).

### 8.2 System Settings

- ⚙️ Switch language (Chinese/English) (if available in your app version).
- ⚙️ Set temperature units: °C / °F.
- ⚙️ Restore default settings if needed.
- ⚙️ Set pressure units: PSI / kPa / bar.
- ⚙️ Set warning thresholds: upper/lower pressure, upper temperature, low battery threshold.

### 8.3 Alarms and Mute Mode

- When abnormal conditions are detected, the app highlights the wheel position and shows an alarm message.
- Use Mute Mode to silence the alarm temporarily (feature may vary by app version).
- If an alarm occurs while driving, stop safely and inspect the tire as soon as possible.

## 9. Maintenance

- ✔️ Keep the valve/sensor area clean and dry.
- ✔️ Battery is built-in. When the app shows low battery, replace the sensor.
- ✔️ The sensor is rated IP67 for daily use, but avoid long-term immersion and high-pressure water jets.
- ✔️ Store installation tools (screws and wrench) in the car for future use.

## 10. Basic Troubleshooting

Symptom	Solution
No data	Check Bluetooth, open TPMSII, and re-bind sensors. Reinstall outer sensors if needed.
Wrong wheel position	Unbind and bind again to the correct position.
Internal sensors no data	Internal sensors need driving to wake up (over 20 km/h for 2-3 km).

## 11. Specifications (Summary)

Bluetooth	BLE 4.0, 2.4 GHz, TX power 0 dBm (max.)
Pressure range	100-1300 kPa (accuracy ± 10 kPa)
Temperature accuracy	± 3 °C
Response time	≤ 5 s
Waterproof rating	IP67
Operating temperature (outer)	-30 °C to +80 °C

## 12. Disclaimer

This manual is provided for reference. App UI/features may vary by version and region. Always prioritize driving safety. The manufacturer/seller reserves the right to change specifications and software without notice.