

XTRONS TPMS08

XTRONS TPMS08 Car USB Tire Pressure Monitoring System User Manual

Model: TPMS08

1. INTRODUCTION

The XTRONS Car USB TPMS (Tire Pressure Monitoring System) is designed to enhance driving safety by providing real-time monitoring of your vehicle's tire conditions. This system accurately tracks tire pressure and temperature, transmitting data to a compatible XTRONS Android head unit. Early detection of tire pressure and temperature changes helps prevent accidents and optimize tire longevity.

Introduction

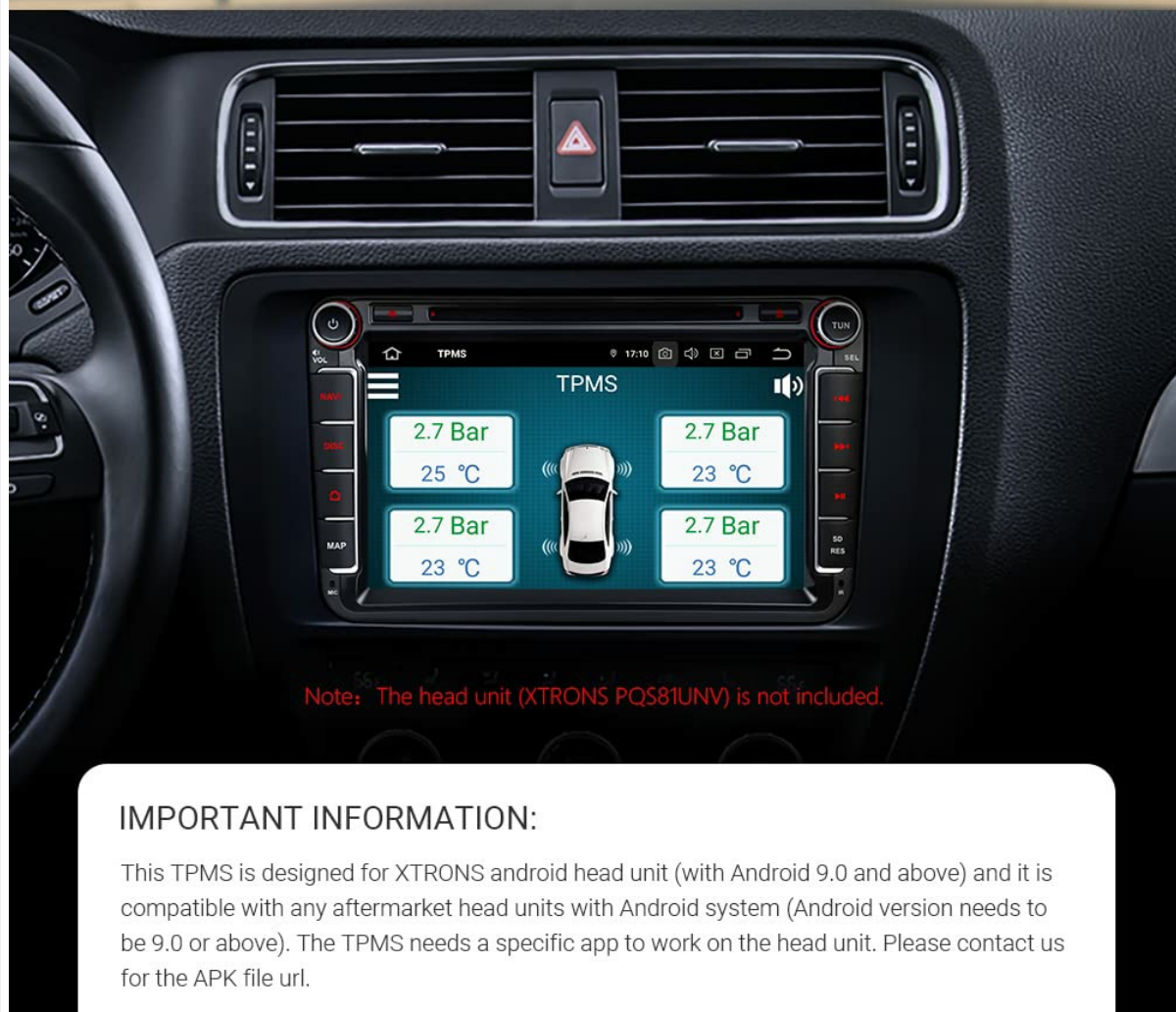


Image: XTRONS TPMS display interface on an Android head unit, showing tire pressure and temperature readings for all four tires.

Important Compatibility Note: This TPMS is specifically designed for use with XTRONS Android Head Units running Android 9.0 or above. It may also be compatible with other aftermarket head units with Android 9.0 or higher. A dedicated application (APK file) is required for the system to function on the head unit. Please contact XTRONS support for the necessary APK file.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Receiver
- 4 x Sensors
- 2 x Adhesive Pads
- 4 x Note Stickers
- 1 x User Manual

Package Includes



① 1 x Box

④ 2 x Adhesive Pad

② 1 x User Manual

⑤ 4 x Sensor

③ 4 x Note Sticker

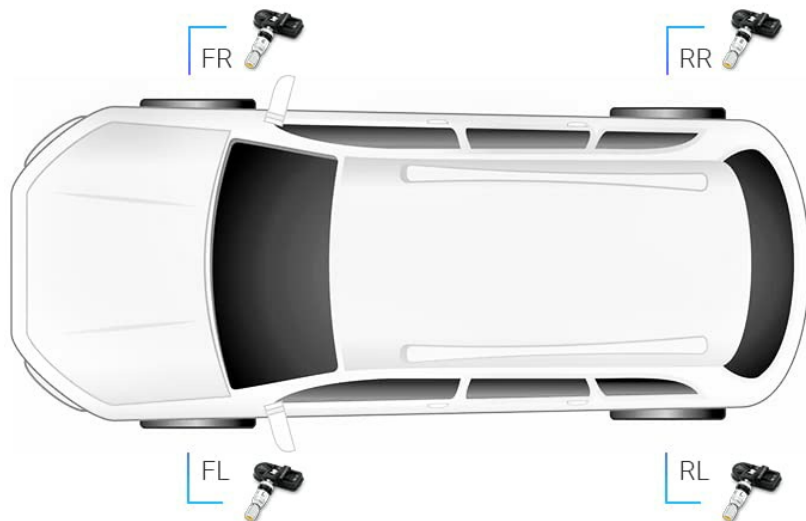
⑥ 1 x Receiver

Image: The complete package contents, including the receiver, four tire sensors, adhesive pads, note stickers, and user manual, neatly arranged.

3. FEATURES

The XTRONS TPMS08 system offers the following key features:

- Real-time monitoring of tire pressure and temperature for each individual tire.
- Accurate detection of tire pressure and temperature changes, triggering an alarm when parameters exceed set limits.
- Display pressure readings in Bar or Psi units.
- Display temperature readings in Celsius (°C) or Fahrenheit (°F).
- Easy installation and stable performance.
- Support for sensor pairing and sensor position swap procedures, facilitating tire rotation.
- Customizable upper and lower alarm values to suit specific vehicle requirements.
- Alerts for tire leaking, high/low pressure, and high temperature.



- | | |
|----------------------|--------------------------|
| ✓ Tyre Leaking Alert | ✓ High Pressure Alert |
| ✓ Low Pressure Alert | ✓ High Temperature Alert |

Note: This TPMS unit will work with vehicles up to a max weight of 3.5 ton.

Image: A diagram illustrating the four tire positions (FL, FR, RL, RR) and the types of alerts provided: Tyre Leaking Alert, High Pressure Alert, Low Pressure Alert, and High Temperature Alert. A note indicates compatibility with vehicles up to 3.5 tons.

4. SPECIFICATIONS

Receiver Parameters

- **Working Voltage:** DC5V
- **Working Current:** <15mA
- **Working Frequency:** 433.92MHz
- **Working Temperature:** -30°C ~ 75°C
- **Communication Line Length:** 200mm
- **Fixed Form:** 3M tape

Sensor Parameters

- **Working Voltage:** 2.1V – 3.5V
- **Working Frequency:** 433.92MHz
- **Pressure Measurement Range:** 0 – 116Psi

- **Temperature Measurement Range:** -30°C ~ 75°C
- **Working Temperature:** -20°C ~ 65°C

Material: Metal, Plastic, Rubber

5. SETUP AND INSTALLATION

The XTRONS TPMS08 utilizes internal tire sensors, which require professional installation. It is recommended to have the sensors installed by a qualified tire shop or automotive technician.

1. **Sensor Installation:** The four sensors must be installed inside each tire, replacing the standard valve stems. This process typically involves dismounting the tire from the wheel, installing the sensor, and then remounting and rebalancing the tire. Ensure the sensors are torqued correctly (e.g., 30 inch-pounds or 3.39 Newton Meters, as per common practice for internal sensors).
2. **Receiver Connection:** Connect the TPMS receiver to a USB port on your compatible XTRONS Android head unit.
3. **Software Installation:** Obtain the specific TPMS application (APK file) from XTRONS support. Install this application on your Android head unit.
4. **Sensor Pairing:** Once the sensors are installed and the application is running, follow the on-screen instructions within the TPMS application to pair the sensors with the receiver. The system supports sensor pairing and position swap procedures to accommodate tire rotation.

Car USB **TPMS** Tire Pressure Monitoring Alarm System

for XTRONS Android Head Unit



Image: The XTRONS TPMS receiver with its USB cable and the four internal tire pressure sensors, ready for installation.

Note: This TPMS unit is designed to work with vehicles up to a maximum weight of 3.5 tons.

6. OPERATING INSTRUCTIONS

After successful installation and pairing, the TPMS system will automatically begin monitoring your tires.

1. **Accessing the Application:** Open the XTRONS TPMS application on your Android head unit.
2. **Real-time Monitoring:** The application will display real-time pressure and temperature readings for all four tires. A visual representation of your vehicle often accompanies these readings.
3. **Alerts:** If any tire pressure or temperature falls outside the user-defined safe range, or if a leak is detected, the system will trigger an audible and/or visual alarm on your head unit.
4. **Customizing Alarm Values:** Within the TPMS application settings, you can adjust the upper and lower limits for pressure and temperature alarms to match your vehicle's recommended tire specifications.
5. **Unit Selection:** You can switch between Bar/Psi for pressure and Celsius/Fahrenheit for temperature readings in the application settings.

Monitoring in Real Time

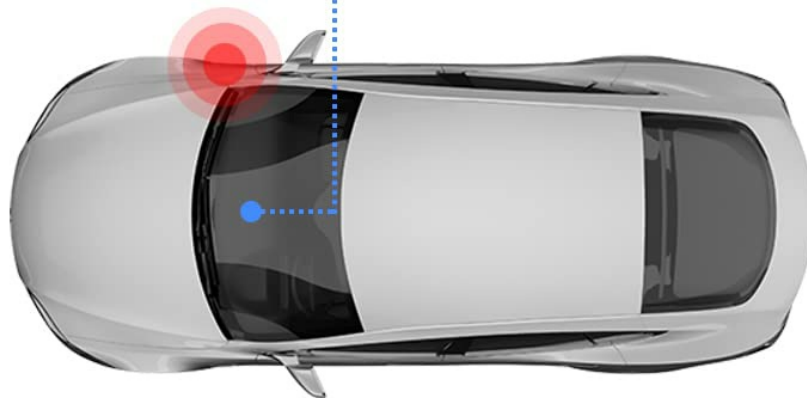
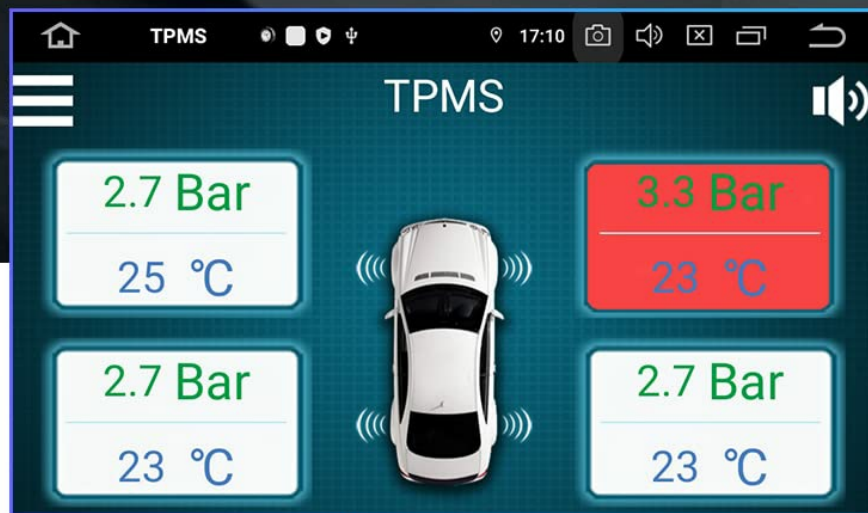


Image: A detailed view of the XTRONS TPMS application interface on a car stereo, showing real-time tire pressure and temperature readings. One tire is highlighted in red, indicating an alert condition.

7. MAINTENANCE

- **Sensor Batteries:** The internal sensors are designed with non-replaceable batteries. The lifespan of these batteries is typically several years. When a sensor's battery depletes, the sensor will need to be replaced.
- **Regular Checks:** Periodically check the TPMS display on your head unit to ensure all sensors are reporting correctly.
- **Tire Rotation:** If you rotate your tires, use the sensor position swap feature within the TPMS application to ensure the display accurately reflects each tire's location.
- **Cleaning:** Keep the USB receiver and its connection points clean and free from debris.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
No tire data displayed.	Receiver not connected, app not running, sensors not paired, or sensor batteries depleted.	Ensure receiver is securely connected to USB. Open the TPMS app. Check sensor pairing status in the app. If sensors are old, they may need replacement.
Inaccurate readings.	Incorrect sensor installation, sensor malfunction, or interference.	Verify professional sensor installation. Check for physical damage to sensors. Ensure no strong electromagnetic interference sources are nearby.
Alarm sounds frequently.	Tire pressure/temperature genuinely outside limits, or alarm thresholds set too narrowly.	Check actual tire pressure with a reliable gauge and adjust if necessary. Review and adjust alarm thresholds in the TPMS app settings to match vehicle recommendations.
App not installing or running.	Incorrect APK file, incompatible Android version, or head unit issues.	Ensure your Android head unit is running Android 9.0 or above. Re-download the APK from XTRONS support. Consult your head unit's manual or support.

If you encounter issues not covered here, please contact XTRONS customer support for assistance.

9. SUPPORT AND CONTACT INFORMATION

For technical support, warranty inquiries, or to obtain the necessary TPMS application (APK file), please contact XTRONS customer service. Refer to the contact information provided with your product packaging or visit the official XTRONS website.

Brand: XTRONS

Model: TPMS08