

thinkcar THINKTPMS G1

THINKCAR THINKTPMS G1 TPMS Relearn Tool User Manual

MODEL: THINKTPMS G1

Brand: thinkcar

1. Introduction

The THINKCAR THINKTPMS G1 is a professional Tire Pressure Monitoring System (TPMS) diagnostic tool designed to activate, read, program, and relearn TPMS sensors. It supports both 315MHz and 433MHz universal sensors and is compatible with 98% of OEM tire sensors. The G1 tool operates via a dedicated mobile application, connecting through Bluetooth to provide comprehensive TPMS services.

This manual provides detailed instructions on how to set up, operate, and maintain your THINKTPMS G1 tool to ensure optimal performance and accurate tire pressure management.

2. Product Features

- **TPMS Diagnose:** Read and clear TPMS Diagnostic Trouble Codes (DTCs).
- **TPMS Activation:** Activate 315MHz and 433MHz universal TPMS sensors.
- **TPMS Relearn:** Supports various relearning methods including OBD Relearn, Self Learning, and Stationary Learning for 98% of sensors.
- **Program S1 Sensors:** Unlimited programming capability for THINKCAR S1 sensors.
- **Real-time Data Display:** View sensor ID, tire pressure, temperature, and battery status.
- **Connectivity:** Connects to the Thinkdiag App via Bluetooth for enhanced functionality.
- **Display:** Features a 1.77-inch backup display for direct information viewing.
- **Battery:** Equipped with a 3000mAh rechargeable lithium battery, offering up to 20 hours of standby time.
- **Design:** User-friendly 4-key design for easy navigation.

3. Product Overview

THINKCAR

THINKTPMS G1 TOOL

Quick, Accurate, Effective



TPMS Diagnose



TPMS Activation



TPMS Relearn



Program S1 Sensors



Read/Clear TPMS DTCs



Figure 1: THINKCAR THINKTPMS G1 Tool Overview. This image displays the G1 tool alongside two car wheels, highlighting its core functions: TPMS Diagnose, TPMS Activation, TPMS Relearn, Program S1 Sensors, and Read/Clear TPMS DTCs.

CHECK TPMS SENSOR IN DEPTH



Fast Read
Sensor Data



Sensor Frequency



Tire Pressure



Tire Temperature



View Battery Status



Read/Program
Sensor ID



Lifetime Free
Update

Figure 2: In-depth TPMS Sensor Check. The G1 tool is shown with icons representing its detailed sensor checking capabilities: Fast Read Sensor Data, Sensor Frequency, Tire Pressure, Tire Temperature, View Battery Status, and Read/Program Sensor ID.

TPMS SENSOR RELEARNING

TPMS Learning for 98% Sensors



- OBD Relearn
- Self Learning
- Stationary Learning

Figure 3: TPMS Sensor Relearning. This image illustrates the G1 tool's ability to perform TPMS relearning for 98% of sensors, including OBD Relearn, Self Learning, and Stationary Learning methods.

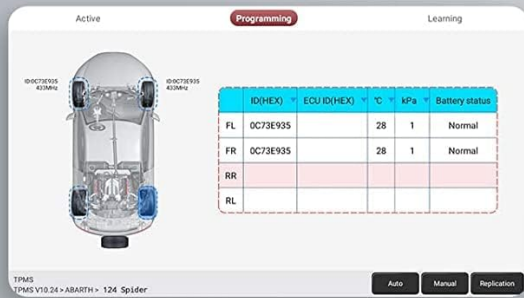
ACTIVE TPMS SENSOR

Activate All 315MHz/433MHz Tire Pressure Sensors



Figure 4: Active TPMS Sensor Activation. The G1 tool is shown activating a 315MHz/433MHz tire pressure sensor on a car wheel.

TPMS SENSOR PROGRAMMING



- Auto Create
- Manual Input
- Copy by Activation



NOTE: This function only serves THINKCAR Sensors

Figure 5: TPMS Sensor Programming. This image demonstrates the G1 tool's programming capabilities, including Auto Create, Manual Input, and Copy by Activation for THINKCAR sensors.

TPMS DIAGNOSIS



Figure 6: TPMS Diagnosis. The G1 tool's display shows diagnostic information, including options to reset and erase TPMS warning lights and DTCs.

TWO WAYS OF USE

- Download Thinkdiag APP
- Use with THINKCAR Thinktool series products



Figure 7: Two Ways of Use. This image illustrates the G1 tool's versatility, showing it can be used by downloading the Thinkdiag App or with THINKCAR Thinktool series products.

4. Setup and Activation

To begin using your THINKTPMS G1 tool, follow these steps for initial setup and activation:

1. **Download the Thinkdiag App:** Obtain the latest version of the Thinkdiag App from your device's app store (Google Play for Android or Apple App Store for iOS).
2. **Activate ThinkTPMS G1:**
 - Open the Thinkdiag App.
 - Navigate to the activation section.
 - Input the Serial Number (SN) found on your G1 device.
 - Enter the activation code provided in the manual or packaging.
 - Confirm activation within the app.
3. **Connect to Vehicle (for certain functions):** For some functions like relearning via OBD, connect the G1 tool to your vehicle's OBD port.

Your browser does not support the video tag.

Video 1: TPMS Relearn Tool THINKTPMS G1 Activate/Programming Sensors. This video demonstrates the process of activating and programming TPMS sensors using the THINKTPMS G1 tool.

5. Operating Instructions

5.1. Activating TPMS Sensors

1. Ensure the G1 tool is powered on and connected to the Thinkdiag App via Bluetooth.
2. In the app, select the 'TPMS' function.
3. Choose the car model and year from the provided list.
4. Select the 'Active' tab.
5. Hold the G1 tool close to each TPMS sensor (typically near the valve stem) to read and activate its data. The app will display the sensor's ID, pressure, temperature, and battery status.

Your browser does not support the video tag.

Video 2: How to check the data of THINKTPMS S1 tire pressure sensor? This video illustrates the steps to check data from THINKTPMS S1 sensors using the G1 tool and the Thinkdiag App.

5.2. Programming TPMS Sensors

The G1 tool supports three programming methods for THINKCAR S1 sensors:

1. **Automatic Generation:** The tool automatically generates a new sensor ID.
2. **Manual Input:** Allows you to manually enter a sensor ID.
3. **Replication (Copy by Activation):** Copies the ID from an existing sensor.

To program a sensor:

1. In the Thinkdiag App, select the 'Programming' tab.
2. Choose your desired programming method (Auto, Manual, or Replication).
3. Follow the on-screen prompts in the app and hold the G1 tool near the sensor to complete the programming process.

Your browser does not support the video tag.

Video 3: How to use Thinkcar TPMS G1/S1 programming? This video provides a step-by-step guide on how to program THINKTPMS G1/S1 sensors.

5.3. TPMS Relearn

After replacing or rotating tires, TPMS sensors often need to be relearned to the vehicle's system. The G1 tool supports:

- **OBD Relearn:** Connect the G1 tool to the vehicle's OBD port and follow app instructions.
- **Self Learning:** Some vehicles can self-learn new sensor IDs after a specific driving cycle.
- **Stationary Learning:** Requires the vehicle to be stationary and often involves specific procedures outlined in the vehicle's service manual.

5.4. TPMS Diagnosis

Use the 'Diagnose' tab in the Thinkdiag App to:

- Read current TPMS DTCs (Diagnostic Trouble Codes).
- Clear TPMS DTCs after repairs.
- Reset the TPMS warning light on the dashboard.

6. Maintenance

- Keep the device clean and free from dust and moisture. Use a soft, dry cloth for cleaning.
- Store the G1 tool in a cool, dry place when not in use.
- Charge the device regularly to maintain battery health, even if not used frequently.
- Avoid dropping the device or subjecting it to strong impacts.
- Ensure the Thinkdiag App is always updated to the latest version for optimal performance and compatibility.

7. Troubleshooting

- **Device not powering on:** Ensure the battery is charged. Connect to a power source and try again.
- **Cannot connect to Thinkdiag App:**
 - Verify Bluetooth is enabled on your smartphone and the G1 tool.
 - Ensure the G1 tool is activated within the app.
 - Restart both the G1 tool and the Thinkdiag App.
 - Check for app updates.
- **Sensor activation/reading failure:**
 - Ensure the G1 tool is held correctly and close to the sensor.
 - Check if the sensor is functional (e.g., not dead battery).
 - Verify the correct car model and year are selected in the app.
- **Programming issues:** Ensure you are using THINKCAR S1 sensors for programming. Follow the specific programming method steps carefully.
- **Tool freezes or becomes unresponsive:** Perform a hard reset by holding the power button until the device restarts.

8. Specifications

Feature	Specification
Brand	thinkcar
Model Number	THINKTPMS G1
Item Weight	1.22 pounds
Power Source	Battery Powered
Screen Size	1.77 Inches
UPC	768297574542
First Available	December 31, 2021

9. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the official THINKCAR website or contact their customer service directly. Keep your purchase receipt and serial number handy for any support requests.

