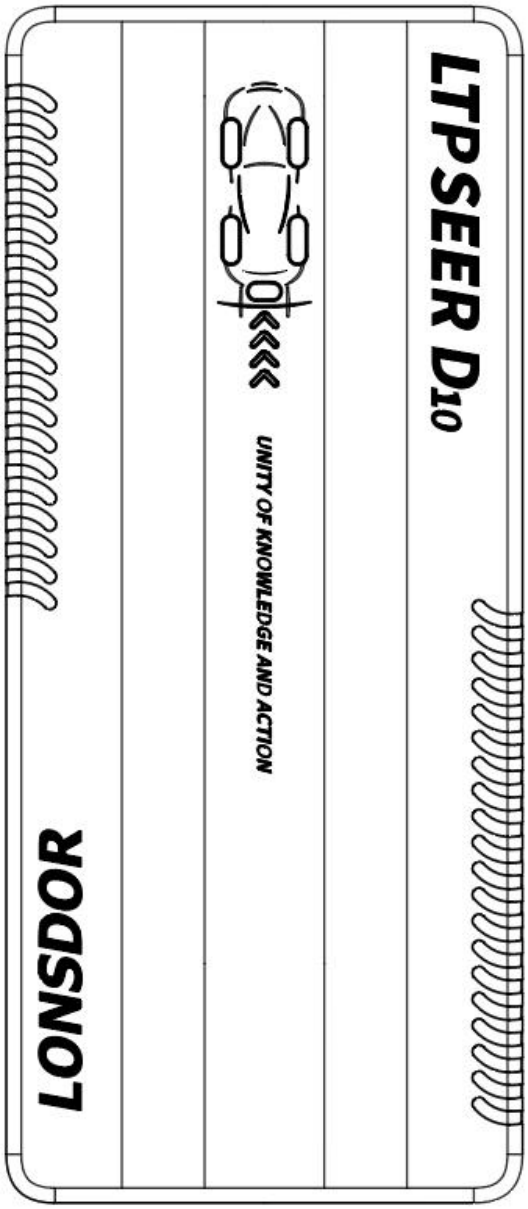
LTPSEER D10 Programmer User Manual



Please read this instruction manual carefully before use!

Copyright

Disclaimer

1. This device is exclusively for legal vehicle tire pressure sensor programming and activation. Users must comply with all applicable laws and regulations in their country/region during use. The user shall be solely responsible for all legal liabilities arising from any violation or misuse.

2. Our company has conducted rigorous testing on the product, but we shall not be liable for any losses or damages caused by the following circumstances:
Failure to follow the instructions provided in the user manual;
Using the device for purposes other than its intended design (e.g., prolonged high-current power supply, illegal modifications, etc.);
Malfunctions due to extreme temperatures, water exposure, drops, physical damage, or other external forces;
Disassembly, repair, or alteration of the product by the user without authorization.

3. The built-in battery is a consumable component, and its performance may degrade over time due to usage and environmental conditions. This is a normal phenomenon, and our company shall not be held responsible for any indirect losses resulting therefrom.

4. By using this device, the user is deemed to have read, understood, and agreed to this disclaimer.

Declared by: Lonsdor Dept of Legal Affairs

Precautions

1. Safety Instructions

Fully charge the device before first use to ensure reliable battery performance.
Do not use the device in flammable, explosive, or hazardous environments.
Avoid storing or operating the device in extreme temperatures (below -10°C or above 50°C).
Do not disassemble the device or attempt to replace internal batteries.
Only use certified chargers and cables to charge your device.

2. Tire Pressure Programming/Activation

Before operation, confirm that the vehicle supports the sensor model and programming method.
Maintain a safe distance from the vehicle during use. Avoid standing directly in front of or behind the wheels.
Ensure the device is fully charged before programming or activation to prevent power interruption.
On supported activation interfaces, press the device button to quickly trigger the activation function.
During activation, the corresponding tire indicator light will flash. Once completed, the light will remain steady.

3. Storage & Transportation

If unused for an extended period, recharge the device every three months to prevent battery damage from deep discharge.
During transportation, comply with lithium battery shipping regulations. Avoid severe impacts or compression.

4.Bluetooth Connection/Disconnection

Connecting to D10 Device via Mobile App:
First, press the side button of the device to wake up the Bluetooth.
The power indicator (arrow light) will turn green (steady).
After successful Bluetooth pairing, the indicator will change to blue (steady). The battery level is indicated by the number of illuminated power indicator lights.
Long-press the button or exit the mobile App to disconnect Bluetooth.
The mobile App will automatically reconnect to the last paired D10 device (when it is awakened). To switch to another device, tap the Bluetooth icon in the app.

Contents

I Download and Registration

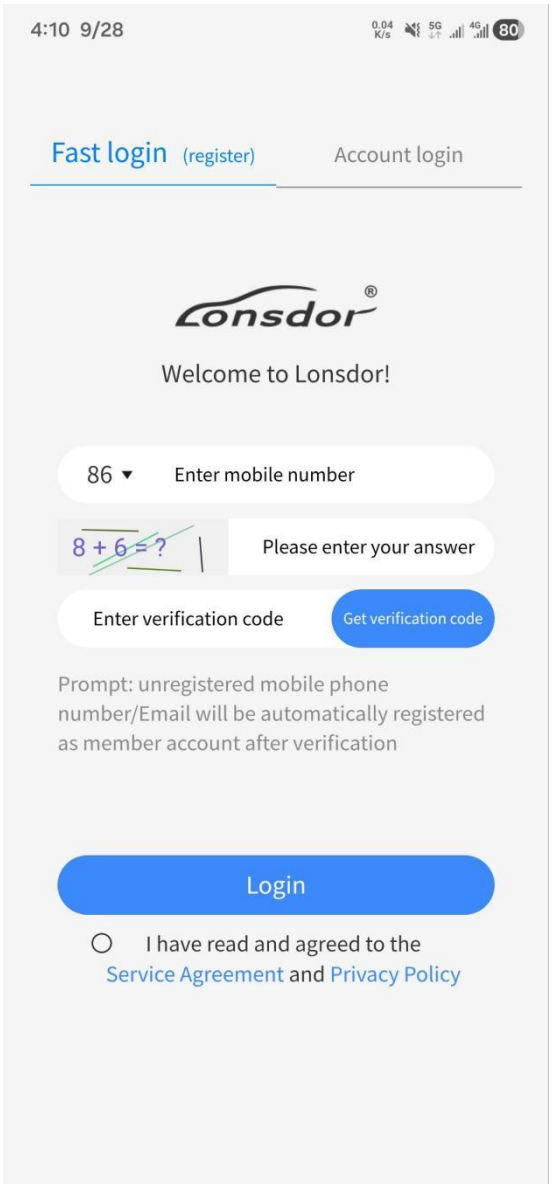
1. Download APP

Download link: https://www.lonsdor.com/html/appdownload

Android Download QR Code

IOS Download QR Code

2. New User Registration

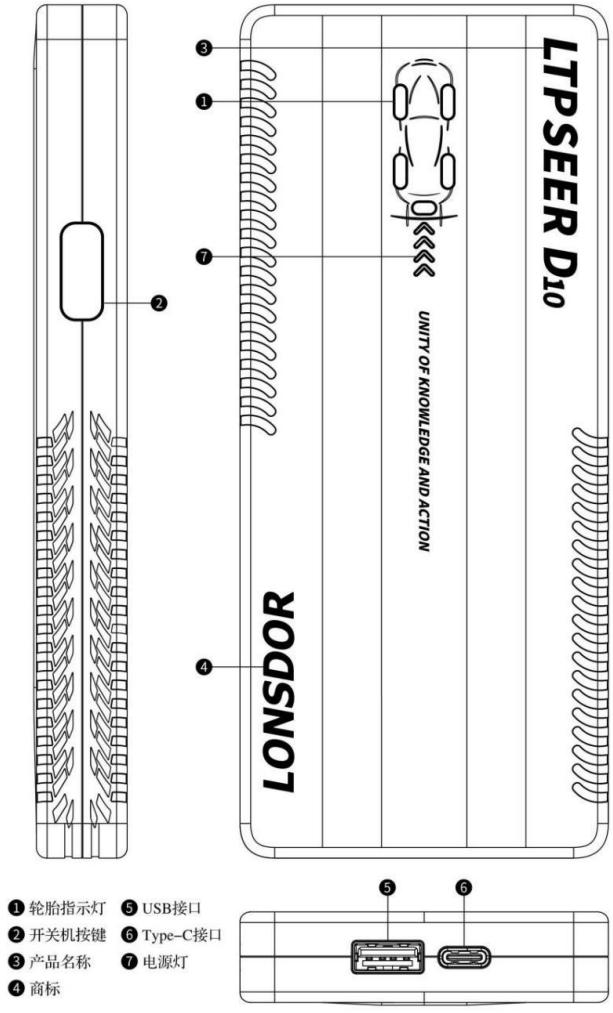


II Product Overview

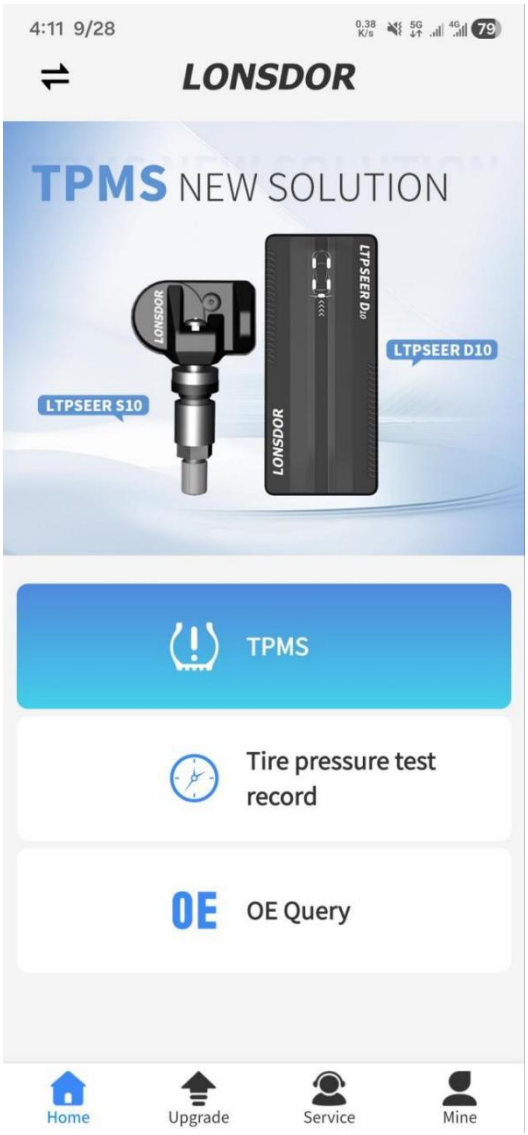
1. Product Introduction

Product Name: LTPSEER D10 Tire Pressure Programmer
Product Introduction: LTPSEER D10 is a tire pressure programmer launched by Shenzhen Lonsdor Technology Co., Ltd. It can program and activate Lonsdor tire pressure sensor, and activate OEM sensors as well.

LTPSEER D10



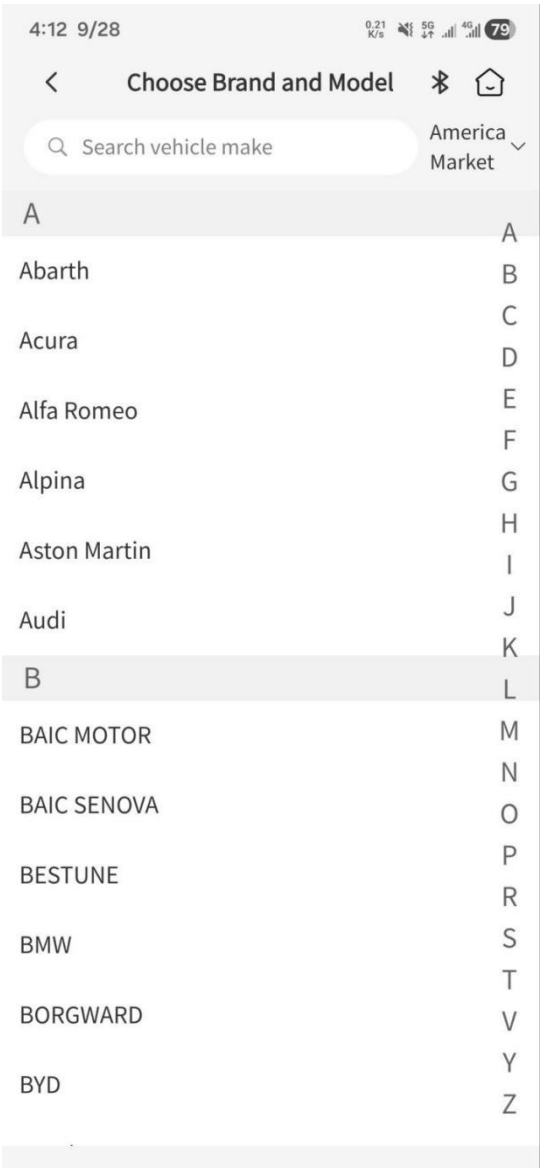
2. App Home Screen Functions



Functions	Description
TPMS	Program and activate the tire pressure monitoring system (TPMS) by selecting vehicle make, model, and year.
Tire Pressure Test Records	View relevant information through test records, and quickly access vehicle models via test records.
OE Query	Find supported vehicle models through the OEM sensor manufacturer and part number to perform programming and activation.

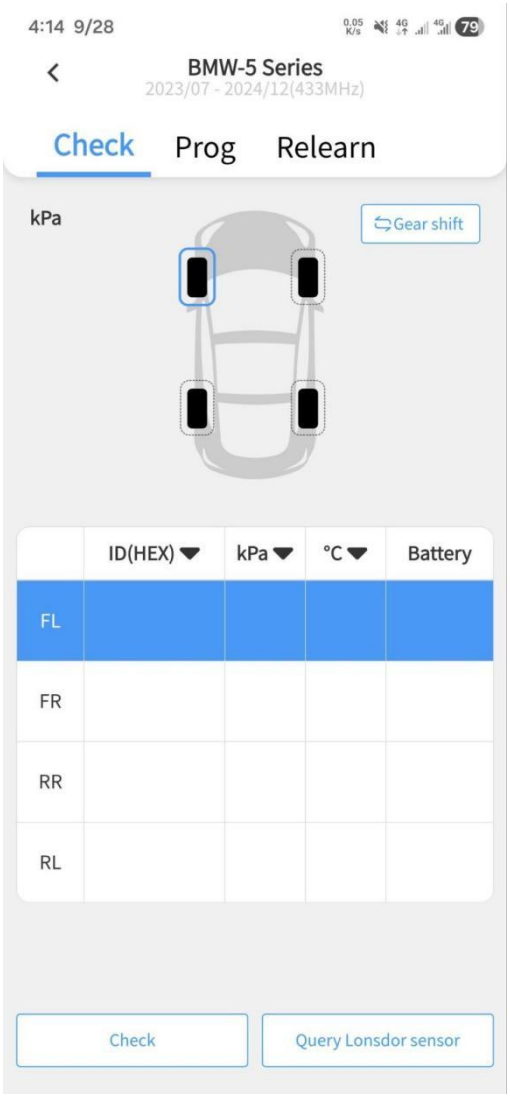
III TPMS

Enter the tire pressure monitoring system (TPMS), select the vehicle make, model, and year in the vehicle identification menu.



The navigation tabs at the top of the main interface screen include the following items:

Activate –To activate the sensor and display sensor data. (The activation button can be quickly triggered via the power button on the D10 device.)
Program – To program the Lonsdor TPMS sensor, display the newly programmed sensor ID and sensor PSN (Product Serial Number).
Learn – To display OE sensor information and learning steps.



1. Activation

On the activation supported interface, you can quickly activate the tire pressure sensor by pressing the D10's power button.

The "Activate" feature allows users to activate the tire pressure sensor and view sensor data, including sensor ID, air pressure, temperature, and battery status.

1) Tap the wheel image on the vehicle graphic or choose the corresponding wheel label (including 'Left Front', 'Right Front', 'Right Rear', and 'Left Rear'). Aim the D10 device at the TPMS sensor(to be activated) and tap the Activate button. The corresponding tire light on the D10 will flash during activation.

2) After the sensor is successfully activated, the sensor data will be displayed on the APP interface, and the corresponding tire light on the D10 will stay on.

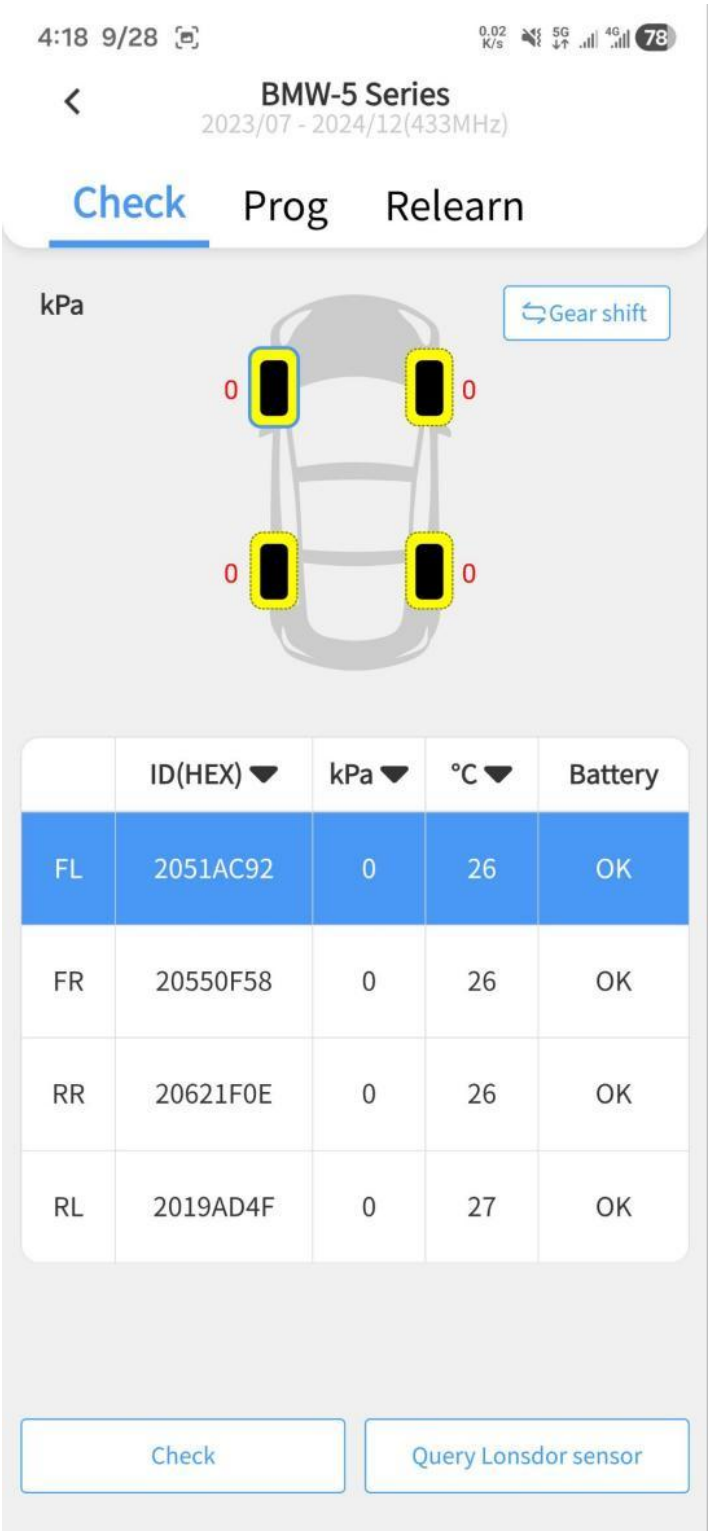
Special Notes:

1) If the sensor battery is critically low, a yellow  will appear next to the corresponding wheel icon on the interface.

2) If the tire pressure sensor requires magnetic activation, a magnetic activation icon  will appear next to the corresponding wheel icon on the interface. Place the magnet above the valve stem, position the D10 next to the valve stem, then press the “Activate” button (this function only applies to 1997–2003 vehicle models, and the magnet must be purchased separately).

3) If the sensor requires activation by deflating the tire, a tire deflation activation icon  will appear next to the corresponding wheel icon on the interface. Quickly deflate the tire (recommended rate of approximately 30 kPa per minute) while placing the D10 next to the valve stem and tapping the “Activate” button.

4) After successfully activating the sensor, the wheel icon displays the sensor status in green or red.


4:18 9/28
BMW-5 Series
2023/07 - 2024/12(433MHz)
Check
Prog
Relearn
kPa
Gear shift
0
0
0
0
ID(HEX)
kPa
°C
Battery
FL
2051AC92
0
26
OK
FR
20550F58
0
26
OK
RR
20621F0E
0
26
OK
RL
2019AD4F
0
27
OK
Check
Query Lonsdor sensor

Sensor Icon Status Possible

Icons	Results	Description
	Sensor reading successful	The tire pressure system sensor is successfully activated and decoded, and the sensor information is displayed in the table.
	Sensor reading successful, but the battery is low or the tire pressure is not within the normal range	The tire pressure system sensor is successfully activated and decoded, and the sensor battery is low. If the tire pressure is not within the normal range, the icon will turn yellow. For both scenarios where the icon turns yellow, follow the prompts to identify the problem.
	Sensor reading failed	If the search times out without any sensors being activated or decoded, the sensor may be improperly installed or malfunctioning, and the interface will display “Failed.” If a sensor with a duplicate ID is read, the screen will display "This ID is already activated." Repeat the test procedure.

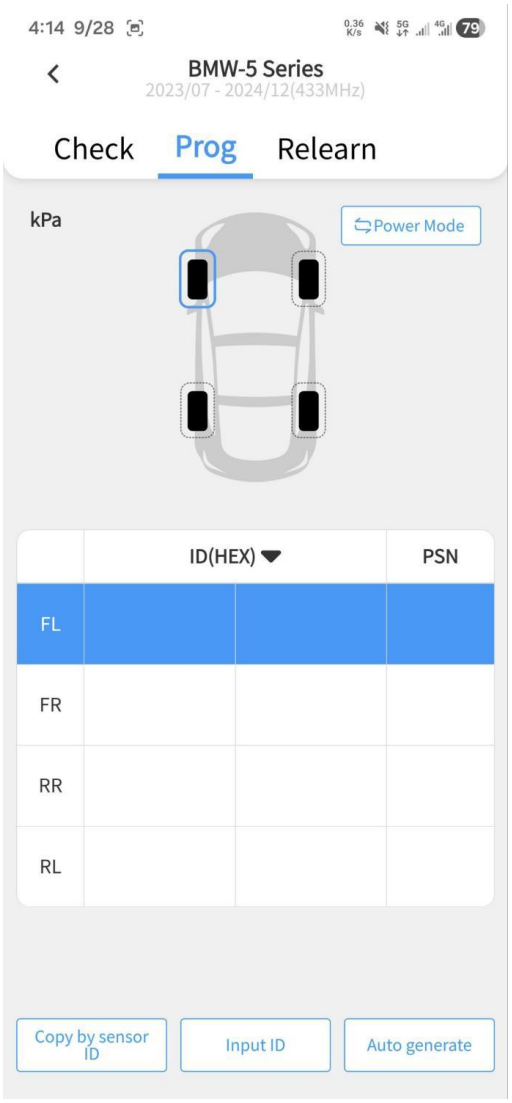
2. Sensor Programming

Users can program sensor data into the Lonsdor sensor using the "Program" function to replace the original sensor. The device provides three programming methods:

Copy by sensor ID

Input sensor ID

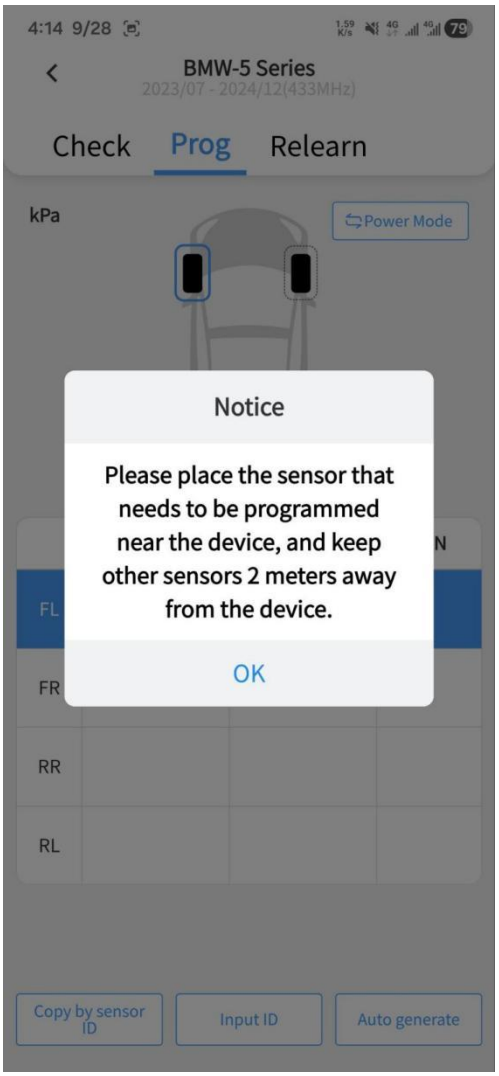
Auto generate



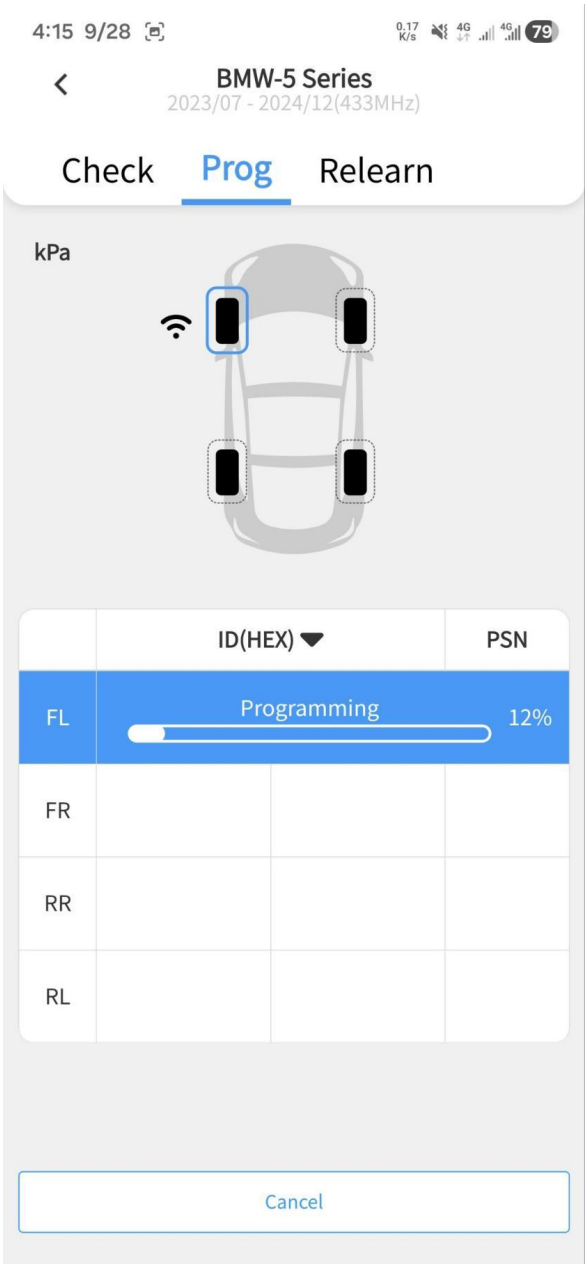
Copy by sensor ID

1) Activate the vehicle's sensor to obtain the sensor's ID information.

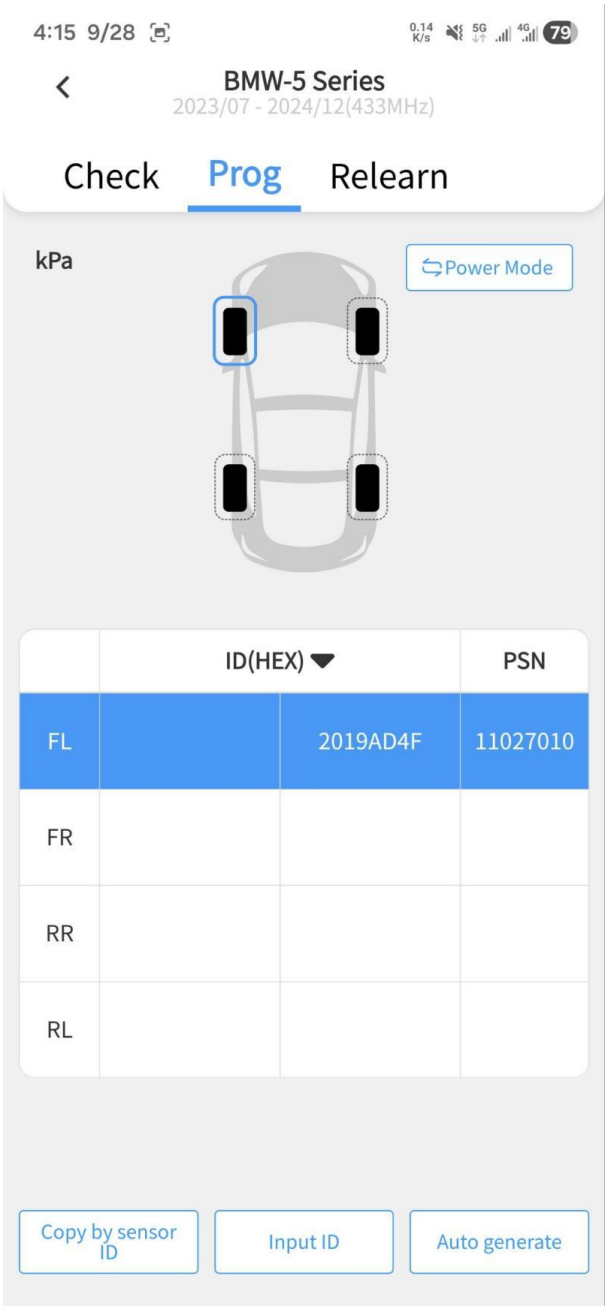
2) On the interface, select the wheel position, place the Lonsdor sensor to be programmed in front of D10, and click "Copy by sensor ID" to start programming.



3) The interface will display a prompt window. Click "OK" to begin programming. During the process, you can click "Cancel" to stop programming.

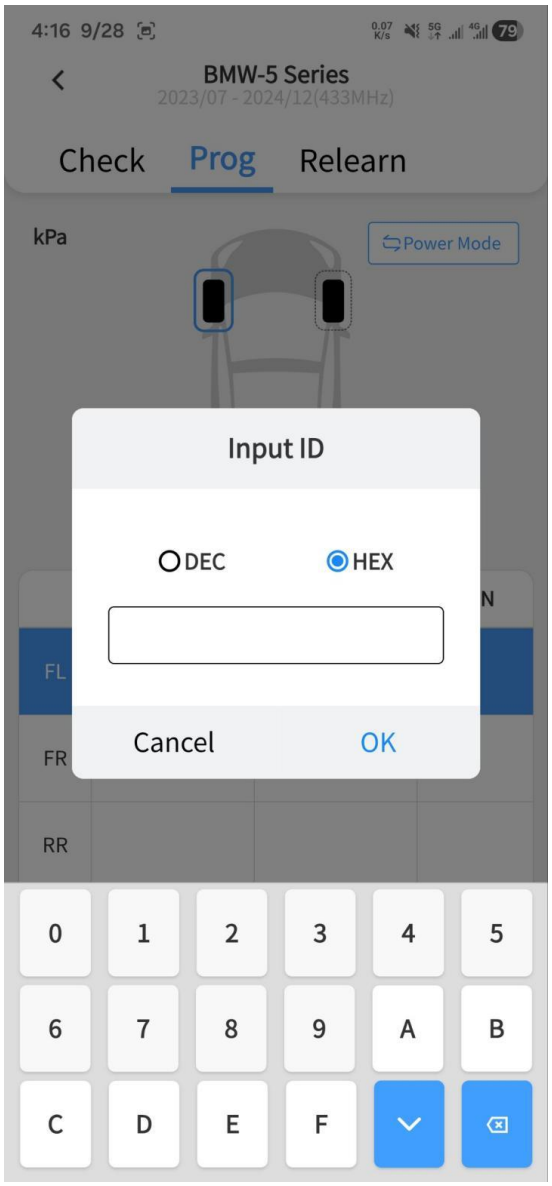


4) After programming is complete, the programmed ID will appear in the second column to the right of the corresponding wheel. In the example below, the new ID appears in the second column to the right of "Left Front", and the programmed ID should match the one obtained during activation.



Input sensor ID

1. Select the wheel position on the interface, place the Lonsdor sensor to be programmed in front of D10, then click "Input ID" to program the new Lonsdor sensor.
2. Click "Input ID", enter the original sensor's ID, and choose decimal or hexadecimal input as needed.



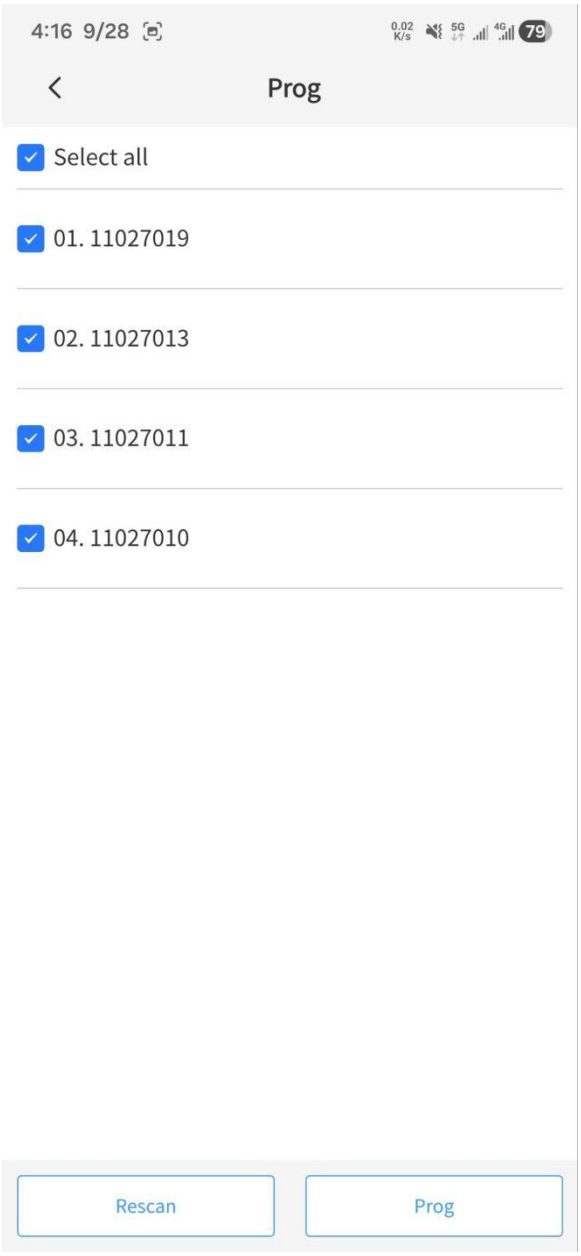
Auto Generate

"Auto-Generate" will create a new ID for the sensor. Place the Lonsdor sensor to be programmed in front of D10 (keep others at least 2 meters away to avoid potential programming errors). Up to 16 sensors can be programmed at once. Note: The auto-generated ID requires a "learning" step to be written to the ECU. (D10 does not support OBD-based learning. Please purchase Lonsdor TPMS programming tool with OBD functionality if required.)

Steps:

(1) Place the Lonsdor sensor to be programmed in front of D10, then click "Auto Generate" to begin programming the new sensor.

(2) D10 will scan for nearby TPMS sensors. If only one sensor is detected, programming will start automatically. If multiple sensors are found, you can freely select a desired sensor to be programmed.



3. TPMS Learning

The activation process can be quickly triggered using the power button on the D10 device in the activation-supported interface.

The "Learn" function enables the vehicle’ s ECU to recognize a new sensor ID. When the new sensor ID differs from the original sensor ID stored in the TPMS ECU, the "Learn" function is required to transmit the ID information to the vehicle’ s ECU. There are four available TPMS learning methods, select the most appropriate method based on the specific scenario:

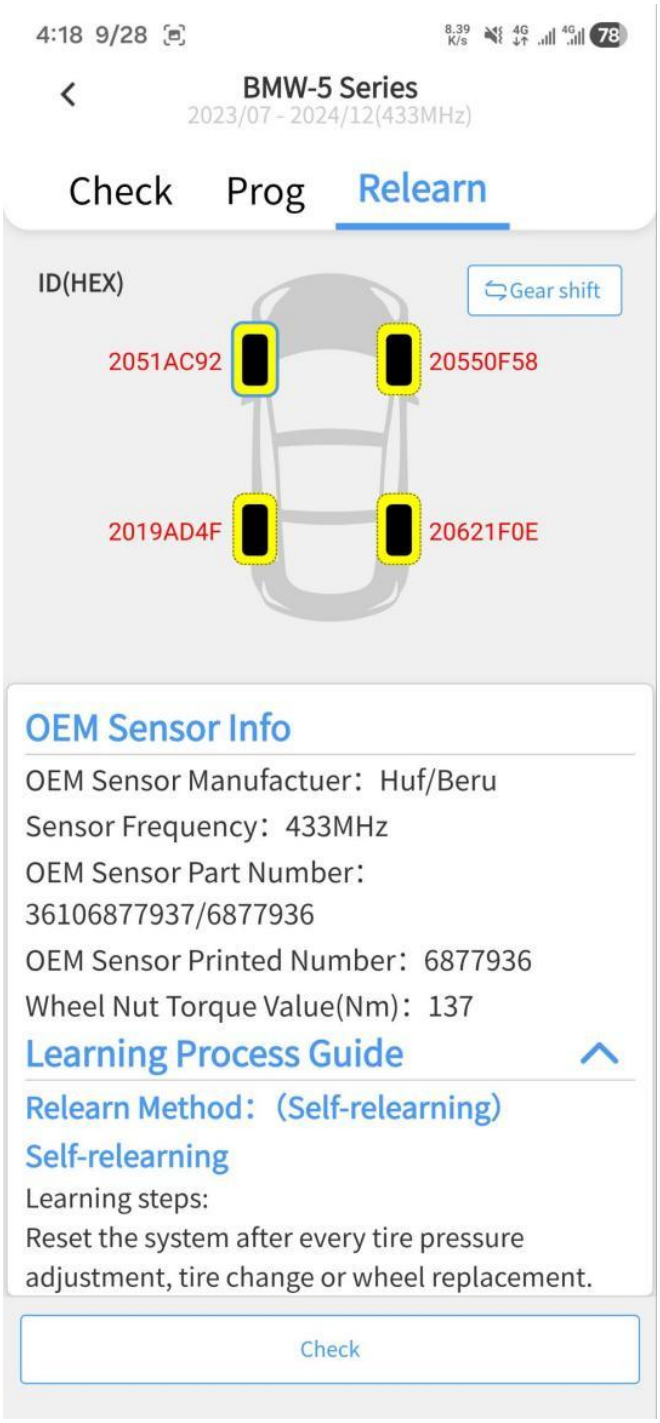
Self-Learning

Static Learning

Cloning Learning

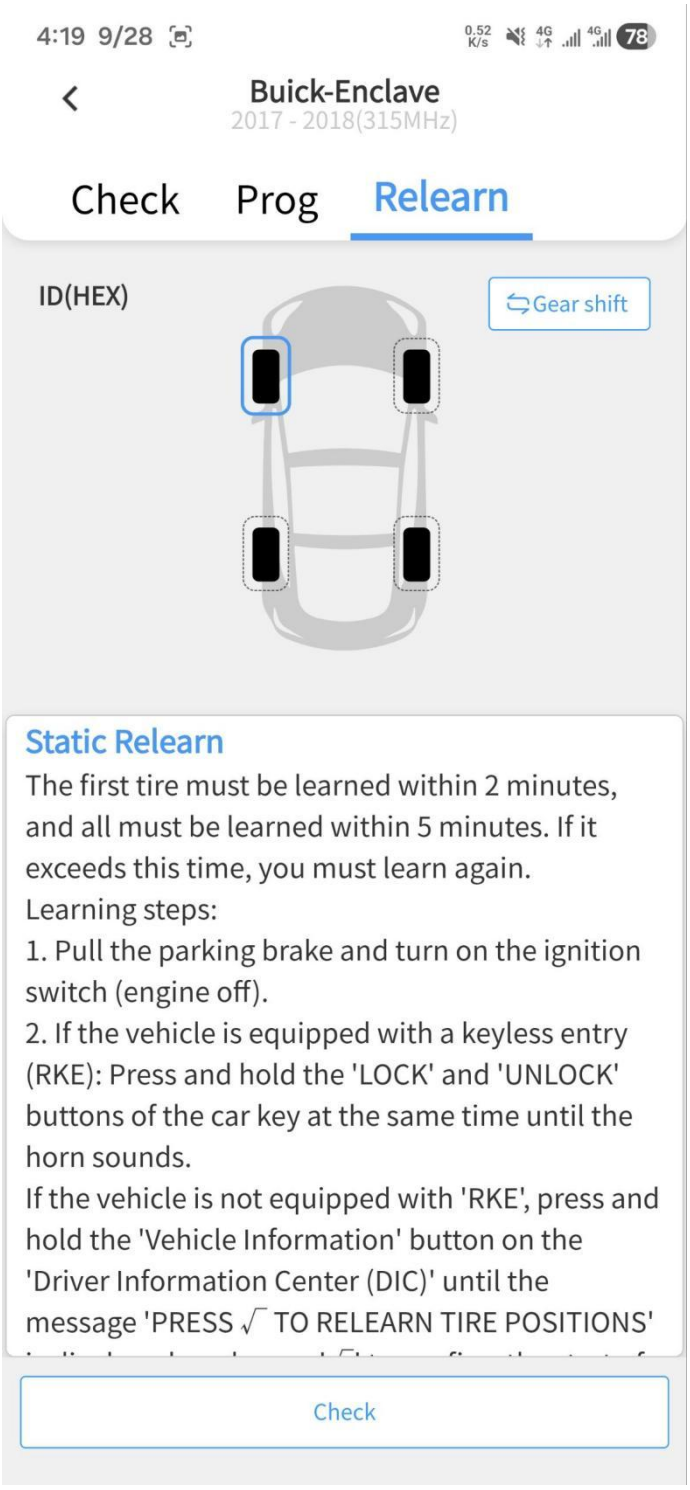
Self-Learning

Some vehicles support learning functions that can be completed through driving. Please refer to the learning methods displayed on the interface.



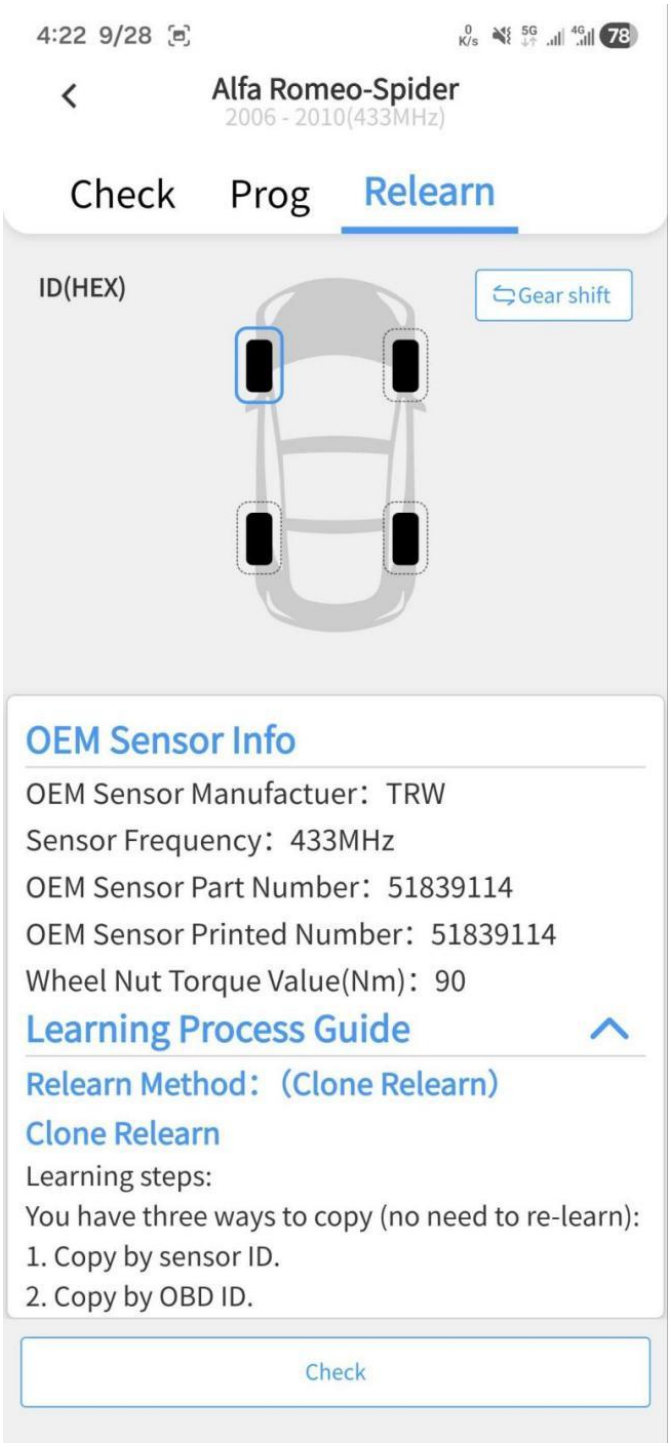
Static Learning

1. Enter the "Learn" interface and follow the prompts to complete static learning.



Cloning Learning

Clone learning refers to directly copying the OEM sensor ID to enable vehicle recognition, without the need for relearning as long as the ID remains intact in the vehicle's ECU.



IV OE Query

Accessing Vehicle Tire Pressure Function via OEM Part Number
The OEM part number of a sensor can be used to quickly access the TPMS function menu, assisting technicians in efficiently selecting the correct vehicle model.

Typical Application Scenarios:

(1) **Repair Shops**
(2) When the OEM part number is known, technicians can use the "OE Query" function to swiftly select the vehicle model and detect the sensor status. Then use the "Program" function to write the original vehicle’s sensor ID into the Lonsdor sensor. If the sensor ID in the vehicle’s ECU is intact, no relearn procedure is required—the new sensor can be installed directly to replace the faulty one.

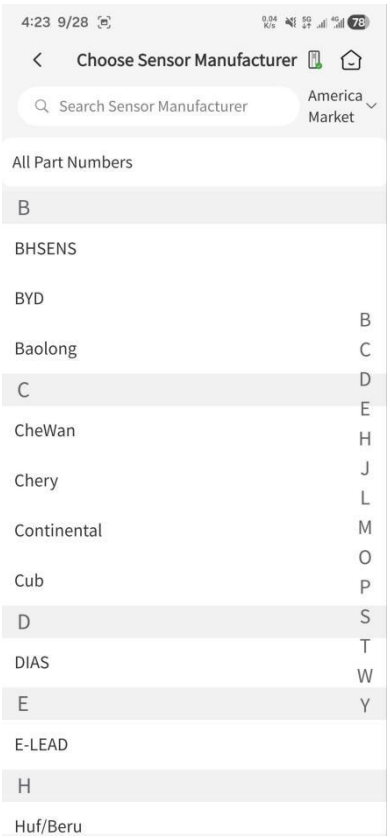
(3) **Tire Shops or Sensor Dealer**
For customers purchasing sensors in bulk for the same vehicle model or OEM part number, the "OE Query" function enables precise matching. Up to 16 sensors can be programmed simultaneously.

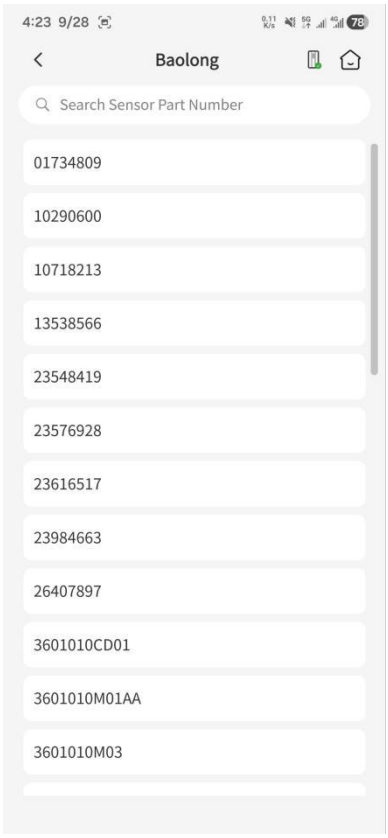
1. Function Description

How to Search for Information via OEM Part Number

1) Click "OE Query" on the device’ s main menu to enter the "Select Manufacturer" interface.

Use the search function or the alphabetical navigation bar on the right to quickly locate the manufacturer. Select current vehicle’ s sensor manufacturer and then the corresponding OEM part number; or click "All part numbers", enter the "Part Number" in the search box at the top of the screen, and click "Search".

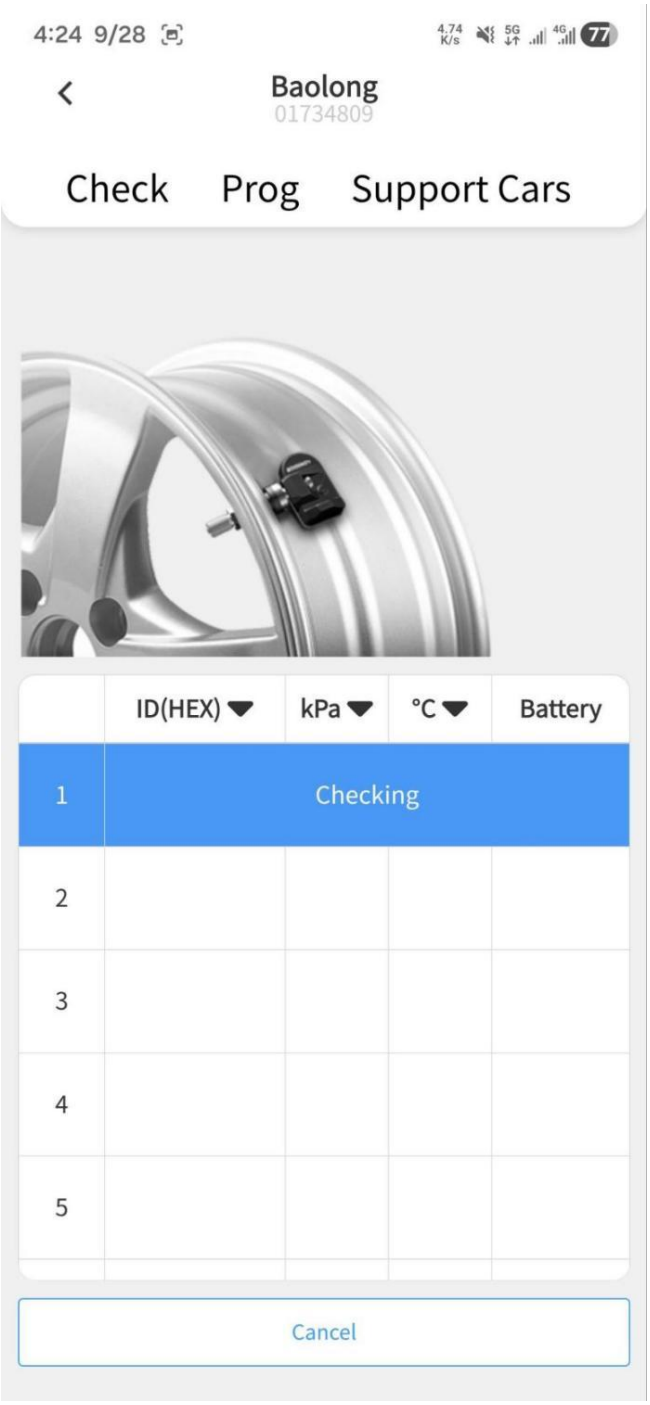




Clicking the selected part number will show the supported vehicle models, as shown in the interface below.

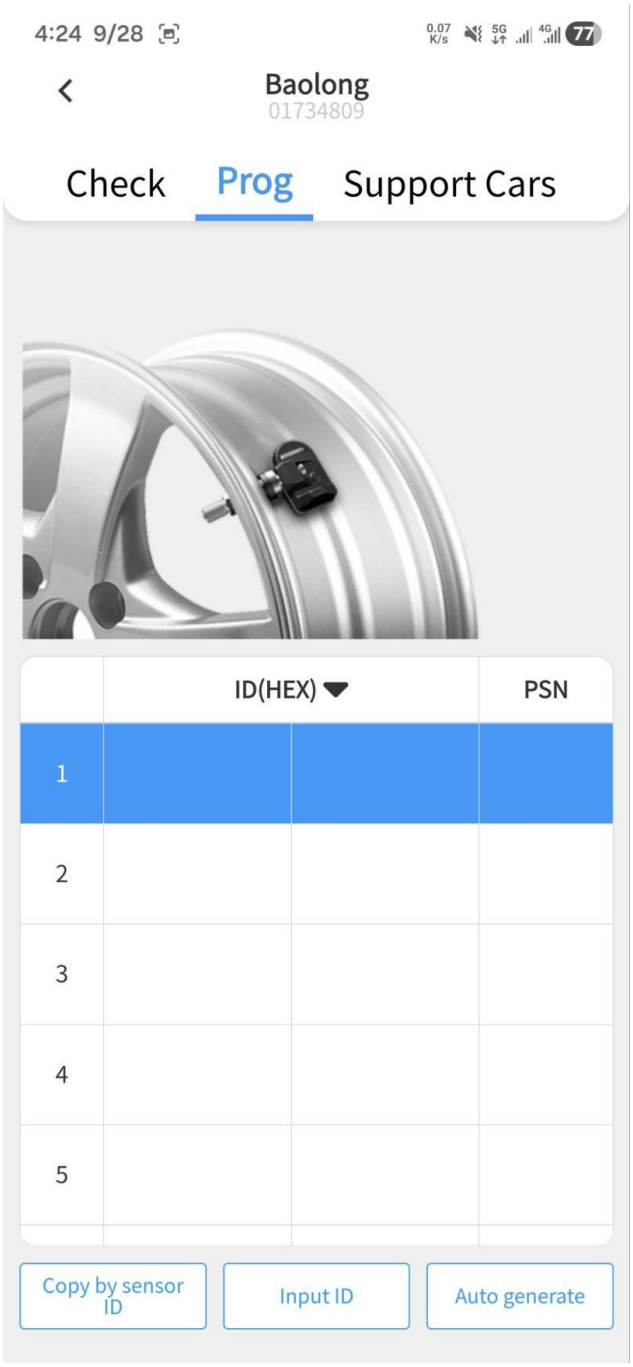
2. Activation

Select the Activation tab and click the "Activate" button at the bottom of the interface, this will wake up and read the following info: sensor ID, tire pressure, tire temperature, sensor frequency and battery level.



3. Programming

The ‘"Program" function enables Lonsdor sensor to adapt to the selected vehicle, replacing the faulty sensor. Three options are available: Copy by sensor ID, Input ID, Auto generate



4. Supported Vehicle Models

This interface can display all vehicle models supported by the current part number.
To perform the "Diagnosis" and "Learn" functions, select the correct vehicle model, then click the "Enter" button at the bottom.

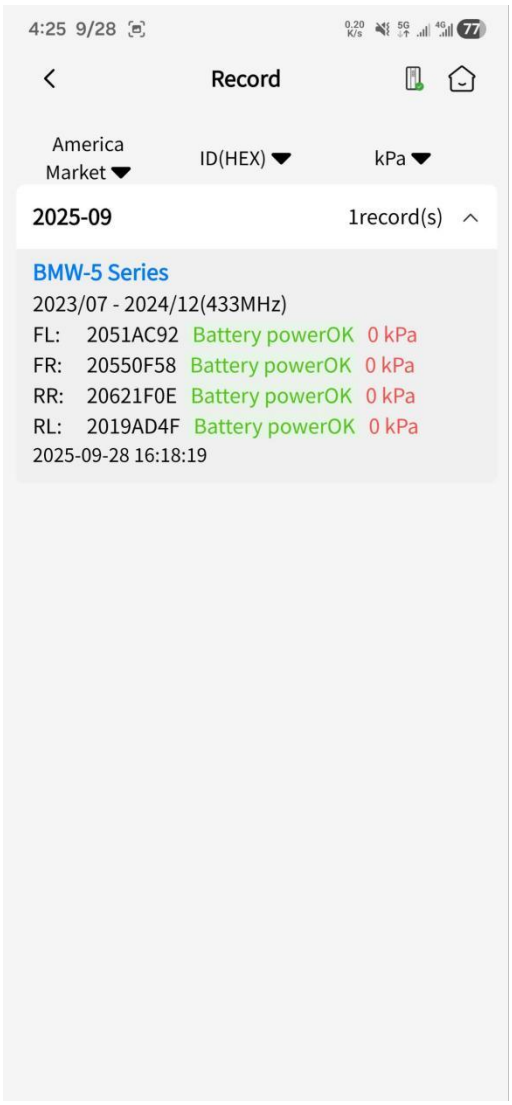
V Test Records

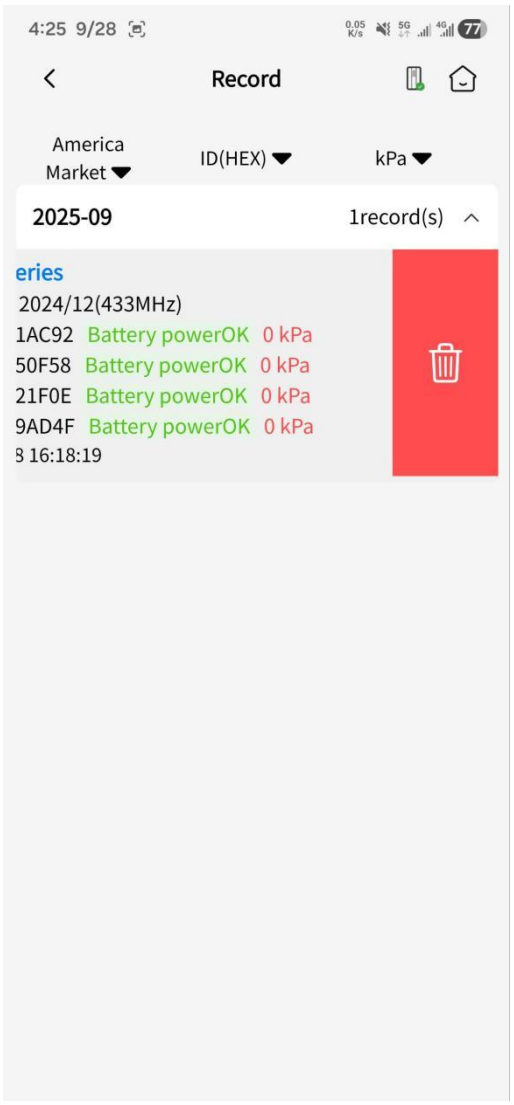
The APP logs partial data from tested vehicles and categorizes it by month.

Users can quickly check sensor data through test records.

Users can select a specific record to quickly enter the tire pressure monitoring function, and load the data from that time.

Users can swipe left on a record to delete it.





After-Sales Service

1. Our company will provide you with superior after-sales service and warranty service within agreed time.
2. The warranty period lasts 12 months since device activation date.
3. Once the product is sold, return and refund is not acceptable if no quality problem.
4. For product maintenance beyond the warranty coverage, our company will charge labor and material costs.
5. If the device breaks down or gets damaged due to any of the following reasons, our company reserve the right not to provide service based on the agreed terms(but you can choose paid service):

※ The entire device and components are beyond the warranty period;
※ Product surface is found flawed or damaged due to user operation(not quality problem);
※ Counterfeit, without certificate or invoice, our official back-end system can not authenticate the device info;
※ Damages due to fail to follow the instructions on operation, use, storage and maintenance in this manual;
※ Damages and faults caused by private disassembly or by improper repair and maintenance of the maintenance company unauthorized by Lonsdor;
※ Liquid inflow, moisture, falling into water or mildewing;
※ The newly purchased device works normally without any damage when unpacked for the first time. But with the prolonged time of use, screen damage occurs, such as screen explosion, scratching, white spots, black spots, silk thread screen, touch damage, etc.
※ Damage by using specific tools and accessories not provided by our company;
※ Force majeur;
※ For the man-made damaged device, if you choose no repair service after we disassemble it and make a quotation, the device appears unstable conditions(such as: boot failure, system crash, etc) when you receive it;
※ Private cracking of the system causes function changes, instability, and quality damage, etc.

6. If the auxiliary parts and other parts(other than the main components of the device) are faulty, you can choose paid repair service provided by our company or our authorized customer service outlets.
7. Our company will perform repair after receiving your device and confirming its problems, so please fill in the problems in details.
8. After repair finished, we will return the device to you, so please fill in the correct delivery address and contact number.
9. Customers who needs to send the device for repair, shall bear the cost such as round-trip delivery cost, transportation cost and etc. If the device gets damaged in the process of delivery, our company shall not bear correlative fees. In particular cases, we will assist the customer to claim for compensation against the shipping company.
10. Our company do not provide sales invoice to individual in any form. Please ask the dealer you purchased from to invoice you if required..
11. Please keep the warranty card properly, and fill in the card when returning your device for repair, so that we can go through relevant work procedure(the warranty card attached to the end of the manual).
12.

Aftersales service hotline: 400-966-9130
WhatsApp: +8618938676302/+8618814486441
Skype: live:.cid.22a25301c379a13e/live:.cid.36e93bd8b6197a30
Service time (GMT+8): China time from 8:30am to 6:00pm (legal holidays off).

Website: en.lonsdor.com

E-mail: service@lonsdor.com

Official Account QR Code

Official Website QR Code