TP200 Tire Pressure Diagnosis Tool

Operation Manual

Efficient Smart Portable

Please read this manual carefully before use

Declaration

1. This manual is designed for the usage of TP200, applying to TP200 automotive diagnosis platform.

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2. This electronic control system diagnostic unit is designed for professional vehicle maintenance technicians. It has a certain reliability, however, it can not exclude vehicle damage and loss caused by customer technical problems, vehicle problems or other factors, so users need to take risks.
3. Use the device only as described in this manual. The user will be responsible solely for the after-effects of violating the laws and regulations caused by wrongly using the product or its data information, Xtool will not bear legal responsibility for that.
4. Xtool shall not be liable for any incidental or consequential damages neither for any economic consequential damages arising from the accidents of individual users and the third parties, misusing or abusing of the device, unauthorized changing or repairing of the device, or the failure made by the user not to use the product according to the manual.
5. All information, specifications and illustrations in this manual are based on the latest configurations and functions available at the time of printing. Xtool reserves the right to make changes at any time without notice.
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8. Please visit http://www.xtooltech.com for more information about TP200.
9. Safety Instructions:

- This product is only for professional user of automotive maintenance technicians.
- When the engine is running, please keep the maintenance area well ventilated and connect the building's exhaust system with car engine properly, because the carbon monoxide generated by the engine will cause the human body unresponsive and even cause serious personal injury or death.
- When doing the diagnostic operation: Pleasure wear ANSI standard goggles and keep clothes, hair, hands, diagnostic tool, etc, away from running or high temperature engine parts.

10. Xtool reserves the right for the final interpretation of this manual content.

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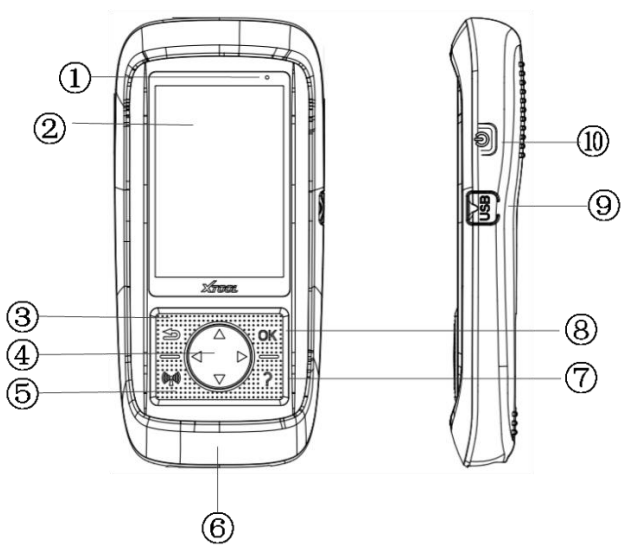
Chapter I: About TP200

1.1 Product Definition

TP200 Tire pressure diagnostic tool has various functions such as read and clear fault codes, trigger tire pressure sensors, obtain tire pressure sensors ID, tire pressure, temperature and battery status, and provide tire pressure sensor learning methods. In addition, it also includes special functions such as service light reset and dashboard recovery reset, which can better meet the actual needs of different users such as workshop, tire repair shop and so on.

1.2 Appearance and Interface of TP200



① Charging indicator: Display charging status.

② LCD display: Display functions menu.

③ Return: Deselect (or operate) or return to the previous menu.

④ Direction button: Up/Down button: moves the menu up/down in menu mode; Left/Right button: you can view the information on the previous/next screen.

⑤ Trigger: Start triggering the tire pressure sensor for testing.

⑥ DB15 Connector: Connect TP200 to the OBDII diagnostic port of the vehicle.

⑦ Help: Provide help information.

⑧ OK: Confirm selection.

⑨ USB interface: Connect TP200 to PC for software updates or battery charging.

⑩ Power on/off: Turn on/ turn off TP200.

1.3 Technical Parameters

Display:	320x480 dpi TFT Colorful display
Power:	3.7V lithium polymer battery
Operating Temperature:	-10℃~60℃
Storage Temperature:	20℃~70℃
Dimensions(L*W*H):	200×92×33mm
Weight:	0.4kg

1.4 Accessories Lists

1. Operation Manual- Provide product operation instructions.
2. OBD II Test Cable- Connect TP200 with test car.
3. USB Cable and Power Adapter: Connect the USB cable to PC for charging TP200 or transfer data between TP200 and PC, charging for TP200 through power adapter.
4. Plastic Box - Store TP200 and its accessories when not in use.

1.5 Keyboard

Please use a mild, non-abrasive cleaner and a soft cotton cloth to clean the keyboard and display. Do not use solvents such as alcohol to clean the device.

1.6 Battery

TP200 is equipped with a 3000mA/3.7V built-in lithium ion polymer rechargeable battery. There are two charging methods as follows.

Use the USB cable to connect to PC to charge the battery:

1、Find the USB port of TP200.

2、Connect TP200 and PC with a USB cable

Charge the battery with a USB cable adapter:

1、Find the USB port of TP200.

2、Connect TP200 and power supply with a USB cable

Attention: In order to maintain the best performance of TP200, please make it fully charged every time. It is recommended that you charge for at least 2 hours before using for the first time.

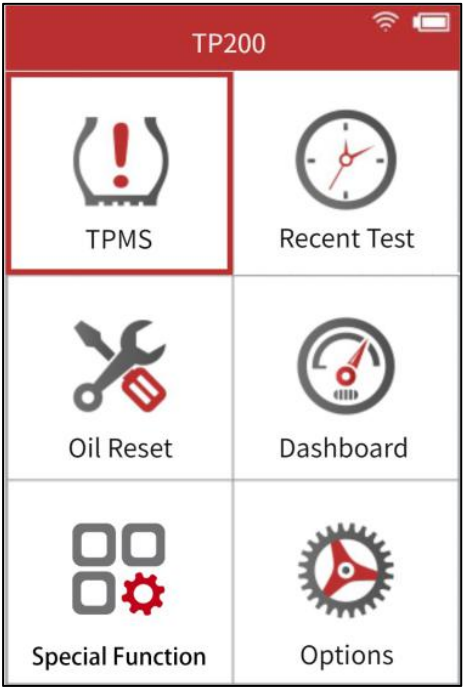
Chapter II: How to use TP200

2.1 Tire pressure diagnosis functions

Tire pressure diagnostic function mainly includes: tire pressure system diagnosis, triggering tire pressure sensor, viewing learning steps and viewing tire pressure sensor information.

2.1.1 Main Interface

Tap【Tire pressure diagnosis】, enter test vehicle information selection page. Select 【TPMS】, press 【OK】 button.

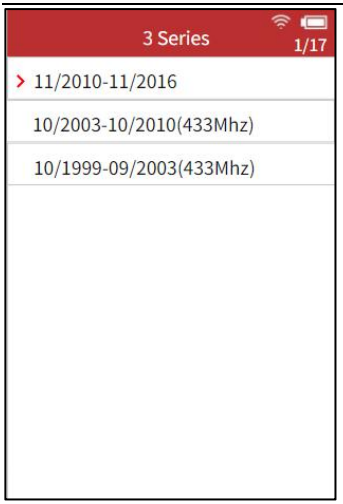


2.1.2 Vehicle Selection

1. Vehicle brand selection

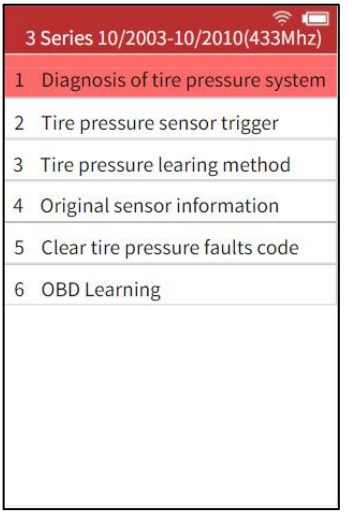
2. Vehicle model selection

3. Enter the tire pressure service interface after selecting the vehicle year.



2.2 Tire Pressure Service Interface

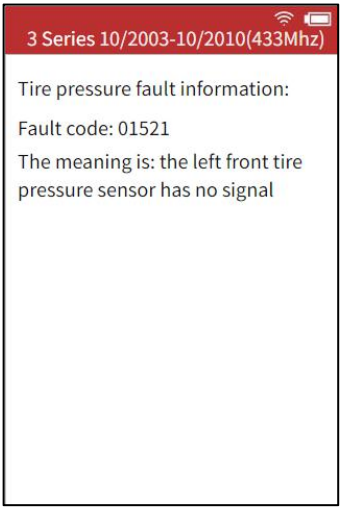
Tire pressure service interface (For vehicles using direct tire pressure systems), which Mainly include: tire pressure system diagnosis, trigger tire pressure sensor, view learning steps, view tire pressure sensor information and clear tire pressure fault codes.



2.3 Diagnosis of Tire Pressure Systems

Connect vehicle OBDII port: Connect vehicle OBDII port and TP200 with OBDII test cable, turn on the ignition, TP200 will read fault codes automatically which are related to vehicle ECU tire pressure.

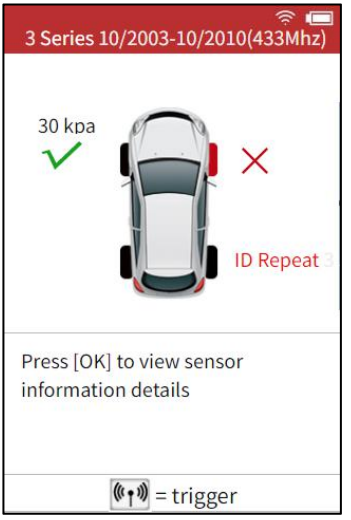
LCD screen will show all fault codes and the definition of each fault code.



2.4 Tire Pressure Sensor Trigger

Place TP200 close to tire sensor or directly above sidewall tire sensor.

Choose and switch different tire position via direction button. Tape to trigger tire pressure sensor, TP200 can get tire pressure sensor's data. The sensor's status and pressure values will be displayed on the LCD screen when triggering successfully.

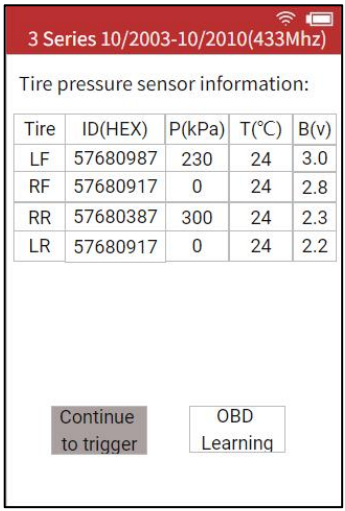


Tap【OK】, tire pressure sensor's

specific information will be shown on LCD screen (Including sensor ID, pressure, temperature and voltage).

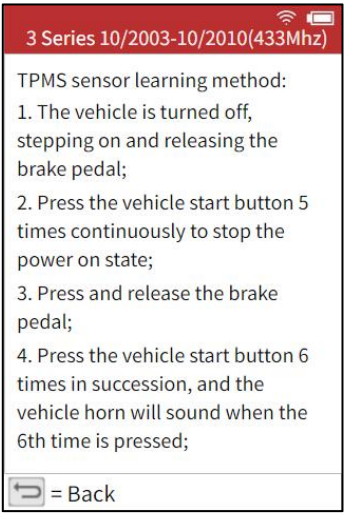
You can select [Continuous Trigger on the tire pressure sensor information page to trigger the tire pressure sensor to obtain information such as the tire pressure sensor ID.

Select [OBD Learning] to acquire OBD ID information to write them into the vehicle ECU.



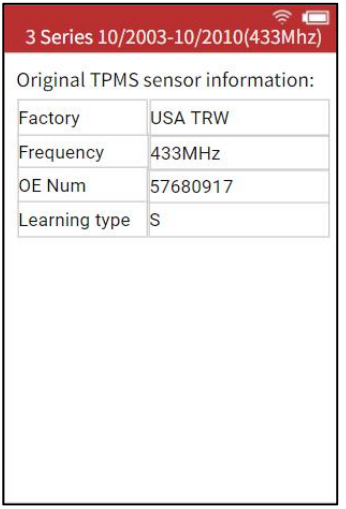
2.5 Tire Pressure Learning Methods

Please read the learning steps and follow the steps.



2.6 Original Sensor Information

The original sensor information of testing vehicle will be shown on the

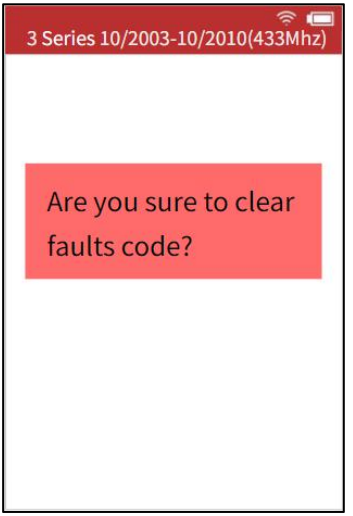


device.

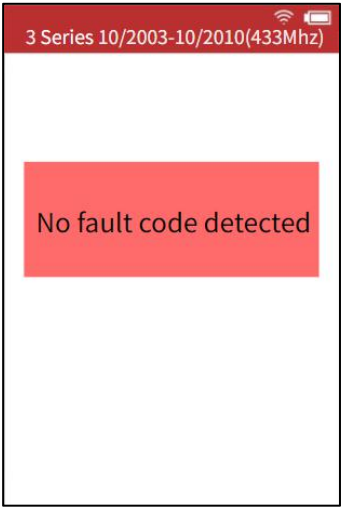
2.7 Clear TPMS Fault Code

If vehicle has faults code, please press button 【OK】 to clear fault code.

After faults code is cleared, device will automatically recheck testing car's ECU to make sure all faults code is cleared.

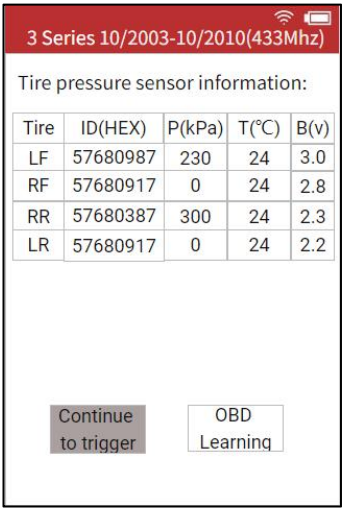


If there is no faults code in the vehicle, the device will show as right.



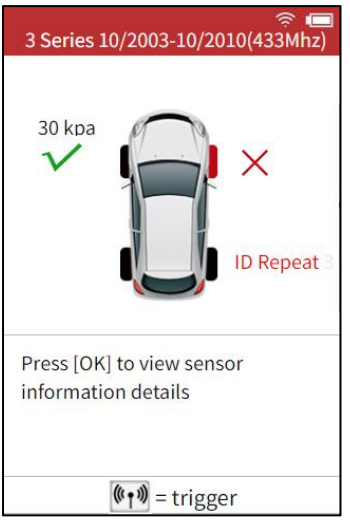
2.8 OBD Learning

It will display all TPMS sensor information.



If some tire pressure sensor cannot obtain data, please choose【Continue to Trigger】to trigger tire pressure sensor to get tire pressure sensor ID and other information.

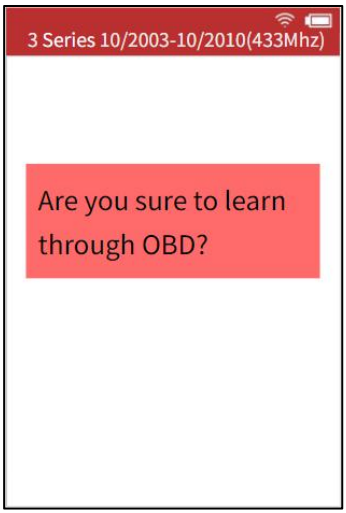
Connect to vehicle's OBD connector (for vehicles supported OBD learning): Use OBD cable to connect between device and vehicle's OBD2 connector and also ignition



on the engine.

Choose【OBD Learning】to write obtained OBD ID into vehicle ECU.

After clicking【OK】, Device will write the tire pressure sensor information into the vehicle ECU. After the writing is completed, the device will automatically clear the fault code existing in the vehicle ECU.



2.9 Recent Testing

The recent selection of tire pressure diagnosis vehicle model and data of tire pressure sensor trigger will be recorded, allowing user to continue the unfinished operation or check the tire pressure sensor data recorded last time.

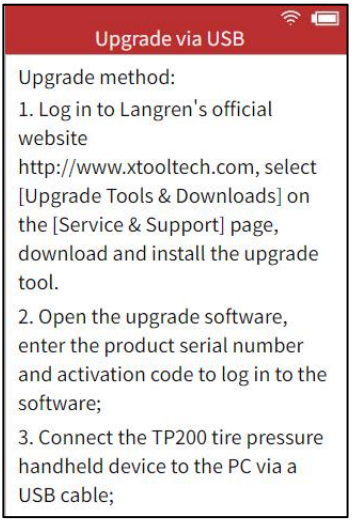
2.10 Special Function

Besides tire pressure diagnostic function, Research and Development team also developed several【special function】including service light reset and dashboard recovery specially for popular vehicle model.

2.11 Update

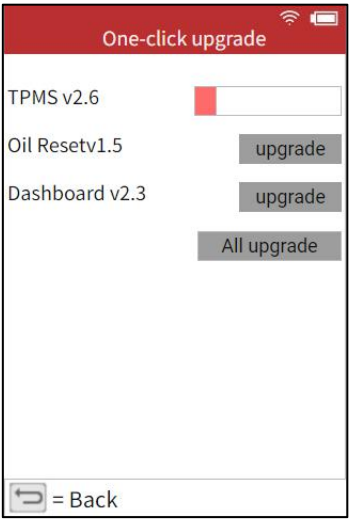
TP200 can be upgraded via a USB cable connection to a computer or via Wi-Fi networking.

1. Update via USB cable



2. Update via Wi-Fi

Each software module can be chosen to update separately or can be one click update via select【all upgrade】



2.12 Setting

You can change device settings, view software and hardware versions. You can do the following parts:

1 Wi-Fi

2 Pressure Unit: Set the pressure unit to kPa, Psi or Bar.

3. Temperature Unit: Set the temperature unit to Celsius or

Fahrenheit.

4. Sensor ID format: Set the ID display to hexadecimal or decimal.

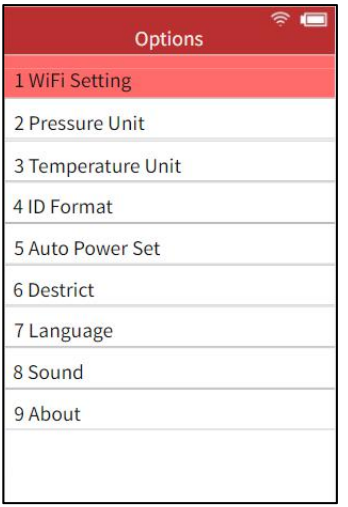
5. Auto Power off: Set the standby time before the device automatically shuts down.

6. Areas.

7. Language: Select the operating language of the device.

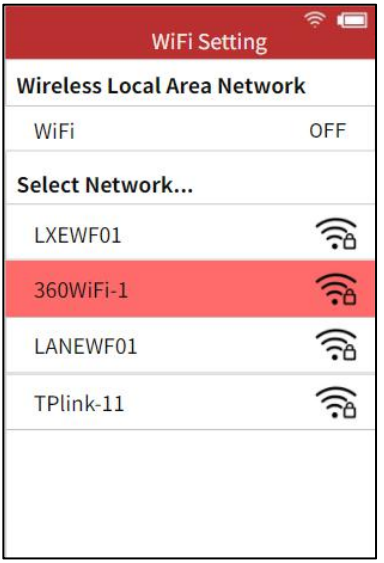
8. Alert Tone: You can turn the button beep tone on/off.

9. About.



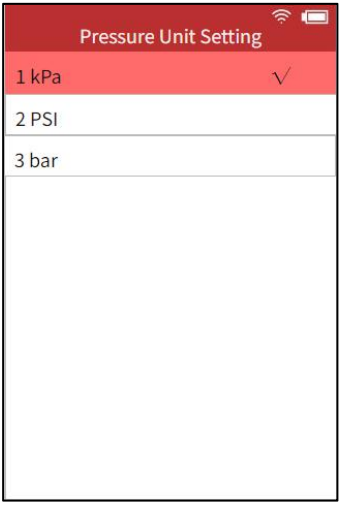
2.12.1 Wi-Fi Setting

Turn on Wi-Fi and choose a network.



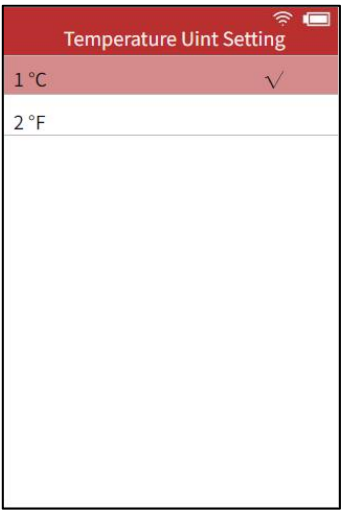
2.12.2 Pressure Unit Setting

Choose pressure unit as “kPa”, “Psi” or “Bar”. Use the Up/Down keys to select, then press [OK] to confirm.



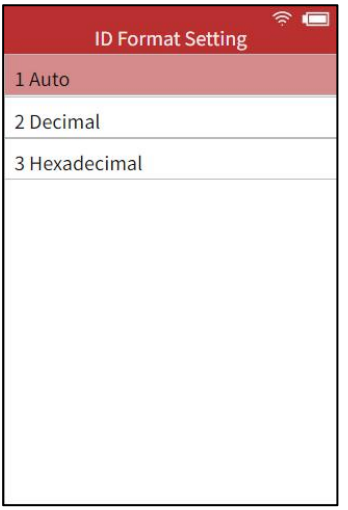
2.12.3 Temperature unit setting

Select the temperature unit as °C or °F. Use the Up/Down keys to select then press [OK] to confirm.



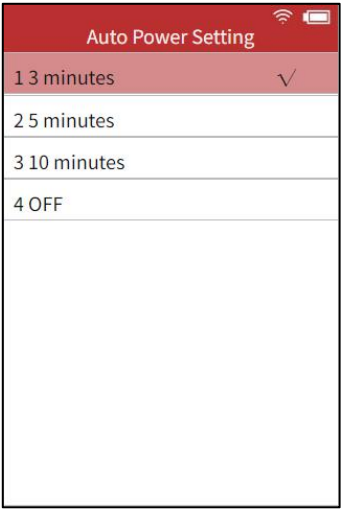
2.12.4 Sensor ID Format

Use the Up/Down keys to select, then press [OK] to confirm.



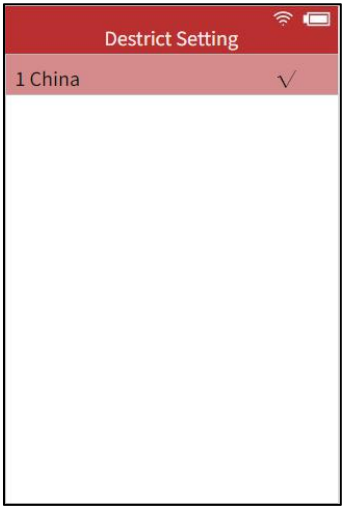
2.12.5 Automatic Power Off Setting

Use the Up/Down keys to select, then press [OK] to confirm.



2.12.6 Regional Setting

Choose your area/country, Use the Up/Down keys to select, then press [OK] to confirm.



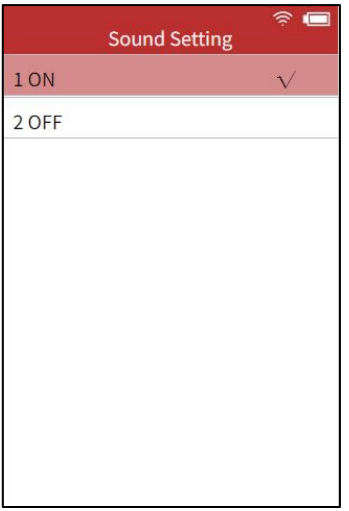
2.12.7 Language Setting

换了图片 Use the Up/Down keys to

select a language, then press [OK] to confirm.

2.12.8 Tip Sound Setting

Use the Up/Down keys to turn on/off, then press [OK] to confirm.



2.12.9 About

Display version information of software and hardware about this tire pressure diagnostic equipment.

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