TopDiag®

JDiag Electronics Technology Co.,Ltd.
info@jdiagtool.com
+86-755-21005135
www.jdiagtool.com
3rd Floor,B2.Jindida Science Park,Langkou Community, Dalang Street,Longhua District,Shenzhen, China

CE FC RoHS
MADE IN CHINA

EC	REP	Prolinx GmbH Brehmstr. 56, 40239 Duesseldorf Germany

TopDiag®

PS001

Tire Pressure
Matching Instrument

USER'S MANUAL

SAFETY INFORMATION

For your own safety and the safety of others, and to prevent damage to the equipment and the vehicle in which it is used, it is important that all persons operating or having access to the equipment read and understand the safety instructions provided in this manual:

There are a wide variety of procedures, techniques, tools and parts used to repair vehicles, as well as the skills of the people doing the work. Due to the large number of test applications and product variations that can be tested with this equipment, it is impossible to predict or provide advice or safety information to cover every situation. It is the responsibility of the automotive technician to understand the system under test. The use of proper maintenance practices and test procedures is critical. It is also vital that testing is carried out in a proper and acceptable manner that does not jeopardise your safety and the safety of others in the work area, as well as the equipment being used or the vehicle being tested.

Always refer to and follow the safety information and applicable test procedures provided by the manufacturer of the vehicle or equipment being tested before using the equipment. Follow the instructions in this manual to use the equipment.

Security Level

Safety information is provided to help prevent personal injury and damage to equipment, all of which is signalled by a signal word to indicate the level of risk.

Distress

Indicates that if not avoided, it will result in death or serious injury to the operator or bystanders of the emergency hazardous situation.

Warnings

Used to warn of potentially hazardous situations that, if not avoided, could result in death or serious injury to the operator or those around him.

CATALOG

Product Description

Products.....01

Product Parameters.....02

Product Use

Device Connection.....03

Country/language Setup.....04

Select Model.....05

Activating Sensors & Programming.....06

Tyre Pressure Learning.....08

View Historical Actions.....09

View Device Information.....10

User Settings.....10

After Sales & Service

One year warranty.....11

Service Process.....11

Products

1 RF antenna: For placing the tyre pressure sensor.

2 LED1: Indicator light blinks to indicate activation or programming is in progress, constant light indicates work has been completed.

3 LED2: Indicator light blinks slowly to indicate that it is switched on, blinks rapidly to indicate that the battery is low and needs to be recharged in time.

4 Activation button: Used to activate the tyre pressure sensor.

5 Programming button: Used to program the tyre pressure sensor.

6 Power button: Short press the power button to switch on/off.

7 Type-c Interface 1: For charging use, input 5V-2A charger.

8 OBD interface: Used to connect to car OBD for communication.

9 LED3: Power indicator, red light flashing means the device is powered on.

10 Type-c Interface 2: Used for brushing and upgrading.

11 TP-Sensor ：Universal 315MHz and 433MHz tyre pressure sensors.

Note: TPMS/OBD II is OBD II version, standard version does not include this connector.

Product Parameters

Device Name: PS001
Bluetooth: BLE5.0
RF Receive: 315MHz and 433MHz
Transmit: 2402-2480MHz
Battery: 3.7V~950mAH
Upgrade: APP Smart Push
Type-c Interface : 5V~2A
Storage Temperature: -10°C~85
Operating Temperature: 0°C~70

Device Name: TPMS OBD II
Bluetooth Communication: BLE5.0
Type-c Interface: Upgrade
Storage Temperature: -10℃-85
Operating Temperature: 0℃-70

Device Name: TP-Sensor
Pressure Range:0-800Kpa
Waterproof Grade： IP67
Transmitting Power: 5-8dB m
Operating Frequency: 315MHz and 433.92MHz
Barometric Pressure Sensitivity: 7Kpa
Storage Temperature： -40℃~125℃
Operating Temperature: -40℃~125℃
Temperature Measurement Accuracy: ±3℃

Product Overview

TopDiag PS001 tyre pressure matching device is convenient, efficient, wireless transmission and smart APP operation. The device supports 315MHz and 433MHz tyre pressure sensors, and supports a wide range of models, covering more than 98% of Asian/European/American and Chinese car models with tyre pressure systems. It can quickly read tyre pressure, program tyre pressure, learn tyre pressure and activate tyre pressure sensor.

Function:

Tire Pressure Monitoring | Tire Pressure Activation | Tyre pressure programming | Tyre Pressure Learning | Matching tyre pressure

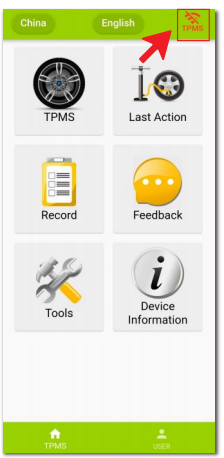
Device Connection

Short press PS001 power button to switch on the device, LED2 will start to connect APP to work after slow blinking, if LED2 blinks fast, it means the battery power is low, please charge the device in time. Download and install APP by scanning the QR code below:

Apple APP

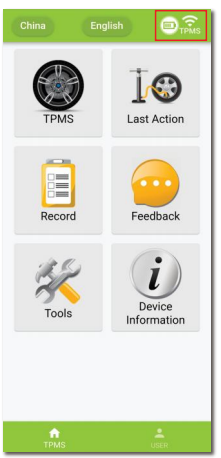
Android APP

Open the APP on your mobile phone (scan the QR code to download the APP), select TPMS to connect the device (as in Figure 1).
At this time, the device will be scanned to PS001-u_xxxx Bluetooth device (as Figure 2) (Note: When connecting the TPMS device, you must turn on the mobile phone's "Bluetooth" and "positioning" functions, xxxx represents the unfixed number).
Click PS001-u_xxxx to connect to the device, when the device is connected successfully, the left side of the TPMS icon will show the current power status of the device (as in Figure 3).



(Figure 1)

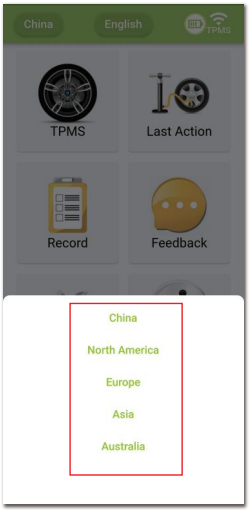
(Figure 2)



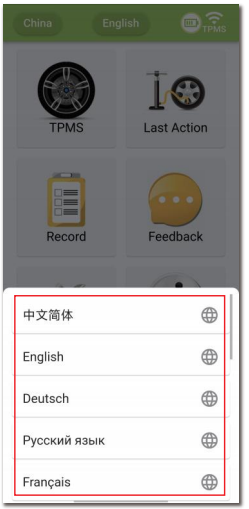
(Figure 3)

Country/language Setup

In the main menu interface above you can choose different country markets (as Figure 4), there are China, North America, Europe, Asia, Australia, etc. (Note: the domestic version and the overseas version support there will be differences, to buy the actual version shall prevail). Multi-language support (as Figure 5), there are Simplified Chinese, EnglishDeutsch, Русский язык, Français, Italiano, Tiếng Việt, Nederlands, Polski, Türkçe, Español, Srbijanski, Português, Slovenská, Čeština, Magyar Magyar and 16 other languages.



(Figure 4)



(Figure 5)

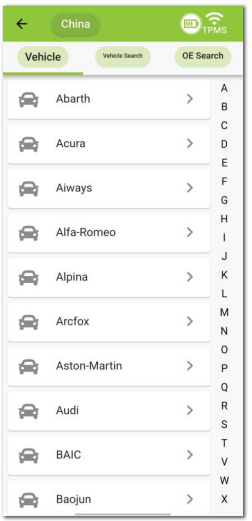
Select Model

After clicking on "Tyre Pressure Monitoring System", you can select the corresponding vehicle information, search model or OE search (Figure 6).

* Depending on the vehicle's information: series, model, year,sensor or OBD communication is programmed and activated.

* Model Search: Search for the corresponding vehicle series, model, and program and activate sensors or OBD communication.

* OE Search: searches for the corresponding sensor information according to the OE number, and programs and activates the sensor or OBD communication.



(Figure 6)

Activating Sensors & Programming

After selecting the corresponding vehicle model, you can programme the activation of sensors, perform OBD diagnosis or learning, and view the learning steps.

Select the activation function (Note: Before using the activation function, first select the corresponding vehicle make, model, year of manufacture, and corresponding frequency, 315MHz or 433MHz), the system defaults to activate from the order of left front, right front, right rear, left rear, and spare tyre, or you can manually click on the tyre that you want to activate to activate it. After successful activation, the corresponding ID, air pressure, temperature and battery level will be displayed (Figure 7). The programming function allows you to copy activation, copy OBD, create manually, create automatically and set offline programming.

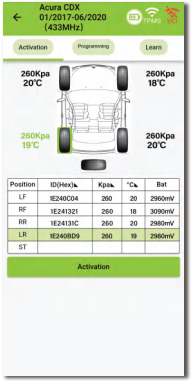
* Activate Copy: Use the ID that activates the original sensor for programming, you can copy the ID of the original car and write it to the new sensor (as shown in Figure 8).

* OBD copy: Before using OBD copy, please plug the TPMS OBD-II diagnostic connector into the car, when the TPMS OBD-II diagnostic head lights up red, click VCI at the top right of APP, (as in Fig. 9) to find the OBD-PS001_U-xxxx and click to connect (Remarks: xxxx stands for unfixed digits), after the connection is successfully made, you can write ID, read ID, read the ID, read the ID, read the ID, read the ID, read the ID, and write the ID into new sensor (as in Fig. 8) of the car. ECU),* to write ID, read ID, read code, clear code and other operations. Write the written ID of the tyre pressure sensor into the car (EUC) for matching, or read the original ID of the car (ECU), and write the read ID to the new tyre pressure sensor (as shown in Fig. 10). After the tyre pressure matching is completed, you can read the fault codes and clear the faults of the vehicle's tyre pressure system (Note: OBD). Copying is only suitable for some models, when VCI is displayed in the upper right corner of APP, it means the model supports OBD copying function).

* Manual Creation: You can manually input the ID for programming (as Figure 11).

* Automatic creation: Use the automatically created ID for programming, you can select the number of sensors to be programmed (as Figure 12).

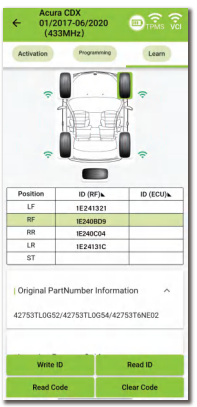
* Setup Offline Programming: updates the device configuration so that it can be programmed and activated offline.



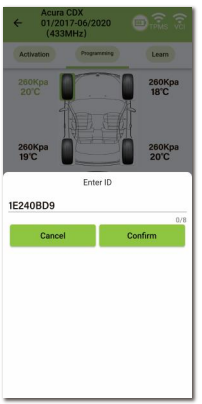
(Figure 7)

(Figure 8)

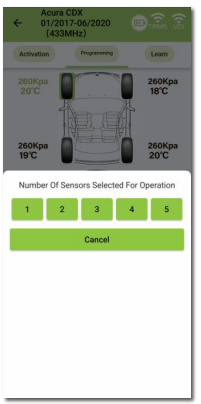
(Figure 9)



(Figure 10)



(Figure 11)



(Figure 12)

Tyre Pressure Learning

Select the learning function, you can see (as Figure 13):

* ID(RF): displays the corresponding ID of the activation, which can be modified by long press.

* ID(ECU): displays the ID read by OBD.

* OE Part Number Information: Displays the corresponding OE number of the vehicle.

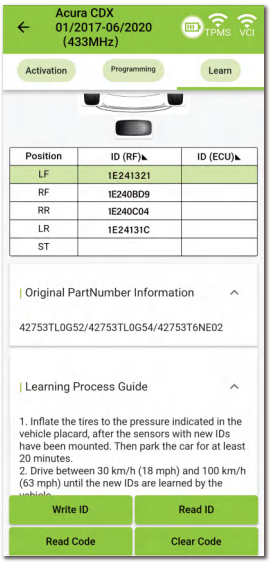
* Learning Process Guide: Displays the learning steps for the corresponding vehicle.

* Write ID: i.e. OBD learning, write the corresponding ID of ID (RF) to the vehicle.

* Read ID: Read the ID information of the corresponding tyre on the vehicle and display it on the ID (ECU).

* Read Code: Read the tyre pressure fault code on the car and display it in the pop-up window.

* Clear code: clear the tyre pressure fault code on the car.



(Figure 13)

View Historical Actions

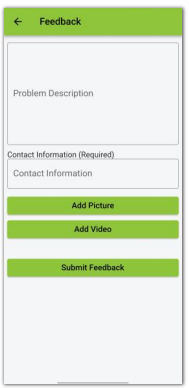
1. Click Last Operation to quickly access the last matching model.

2. Click Record function, you can view the history of TPMS and VCI device operation, and query the related programming and activation records (as Figure 14).

3. Click Feedback function, if you encounter any problems in the process of using, or have better suggestions you can give us feedback here (as Figure 15), you need to log in the user function first before giving feedback.

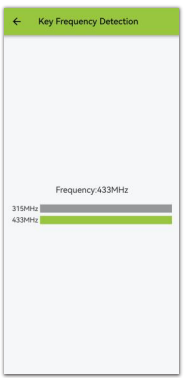
4. Click on the toolbox, in the toolbox you can view the tyre pressure sensor information, key frequency detection. Choose to view the sensor information, select the corresponding frequency, you can view the specific parameters of the current sensor (Figure 16). Select the key frequency detection, according to the prompt operation, press the key button can be detected (as Figure 17).

(Figure 14)



(Figure 15)

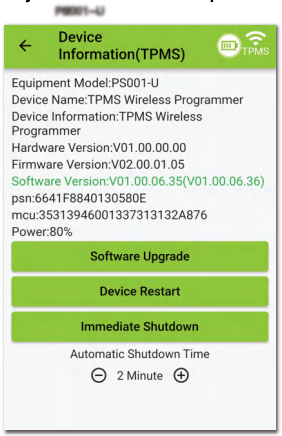
(Figure 16)



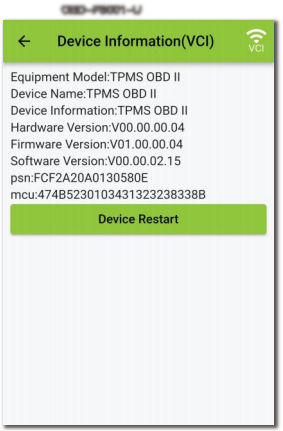
(Figure 17)

View Device Information

You can view the TPMS and VCI (OBD-TPMS) device parameters in the device information (as Figure 18-19), adjust the device sleep time, version information and so on.



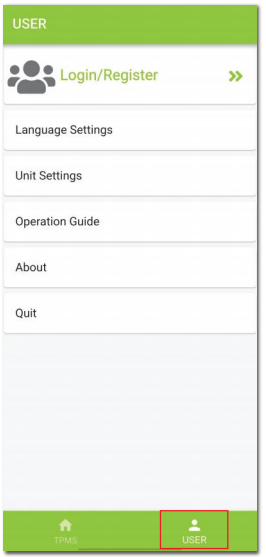
(Figure 18)



(Figure 19)

User Settings

Select a user and register an account to log in. Language setting and unit setting can be selected as required.



(Figure 20)

WARRANTY AND SERVICE

One year warranty

JDiag Technology promises to provide warranty service for 1 year from the date of original purchase, if this product is purchased from an official channel, which must meet the following conditions:

1) The warranty are limited to repairing or replacing new equipment, without additional cost, but need to mention for regular sales invoices or copies of invoices.

2) The warranty does not cover the unauthorized disassembly of this product due to flooding, lightning strikes, or outside repair shops not authorized by the company ,The personnel have repaired it and considered damage caused by improper use.

3) JDiag Technology is not responsible for any damages caused by use, misuse or installation and testing. Some countries limitations on the duration of implied warranties are not allowed, so the above limitations may not apply to you.

4) All information in this manual is based on the latest and effective information at the time of publication, and there is no guarantee of its accuracy or completeness. JDiag Technology reserves the right to make changes at any time without notice.

Service Process

If you have any questions about using this product, please contact your local authorised dealer directly or visit our official website for advice.

For repairs or returns, please contact your dealer or contact your sales representative directly.

尺寸:185*125(出血3毫米)

工艺：**哑胶**　材质：封面(封面和封底)200g铜版纸，内页157g铜版纸

FCC Statement(Suitable for PS001)

This equipment has been tested and found to comply with the limits for a Class B digital device,pursuant to part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates,uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1)This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .The device has been evaluated to meet general RF exposure requirement.
The device can be used in portable exposure condition without restriction.

FCC Statement（Suitable for TPMS OBD II &TP-Sensor ）

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.