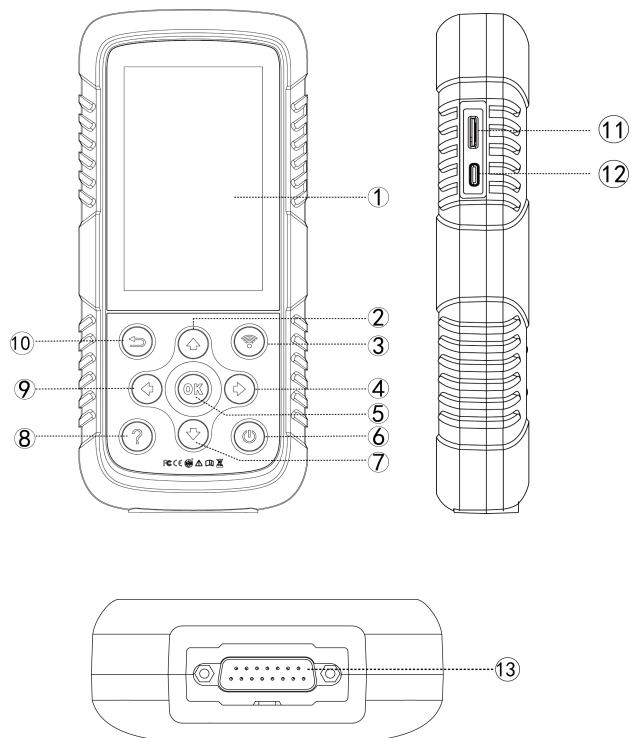


# 1. Button Functions

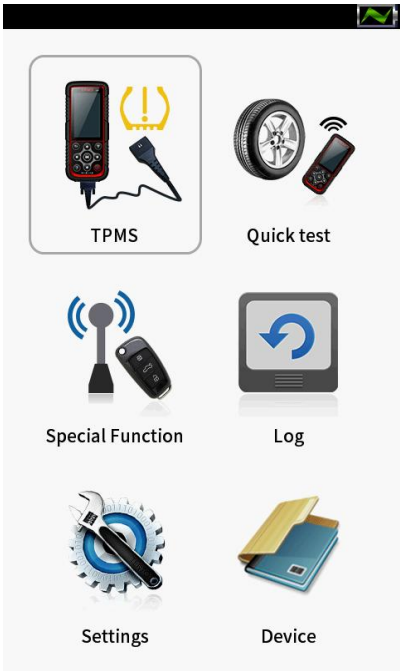


| Serial number | Name               | Description                                                                      |
|---------------|--------------------|----------------------------------------------------------------------------------|
| ①             | Touch screen       | Display menu and test results                                                    |
| ②             | Up button          | Option moves up                                                                  |
| ③             | Activation key     | Send confirmation when TPMS wirelessly recognizes and programs                   |
| ④             | Right button       | Option moves to the right                                                        |
| ⑤             | Confirm button     | Confirm OK                                                                       |
| ⑥             | ON/OFF button      | Press 3 seconds to turn on/off                                                   |
| ⑦             | Down button        | Option moves down                                                                |
| ⑧             | Help button        | Providing help information                                                       |
| ⑨             | Left button        | Option moves to the left                                                         |
| ⑩             | Return button      | Return to the previous menu interface                                            |
| ⑪             | TF vehicled        | TF vehicled insert port                                                          |
| ⑫             | Type-C interface   | Connect the USB cable to charge the tire pressure matcher                        |
| ⑬             | OBD test interface | Tire pressure matching instrument connected to vehicle ECU through OBD interface |

2. Basic TPMS Function

2.1 Read/Scan Sensor

On main menu select **TPMS**, select **Make**, **Model** and **Year**.

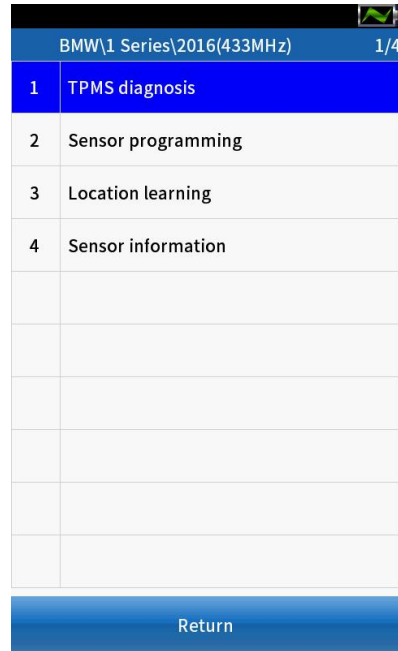


| BMW\1 Series |                         | 1/12          |
|--------------|-------------------------|---------------|
| 1            | 2017(433MHz)            |               |
| 2            | 2016(433MHz)            |               |
| 3            | 2015(433MHz)            |               |
| 4            | 03/2014-12/2014(433MHz) |               |
| 5            | 2013(433MHz)            |               |
| 6            | 2012(433MHz)            |               |
| 7            | 2011(433MHz)            |               |
| 8            | 01/2010-08/2010(433MHz) |               |
| 9            | 2009(433MHz)            |               |
| 10           | 2008(433MHz)            |               |
| Return       |                         | Previous page |
|              |                         | Next page     |

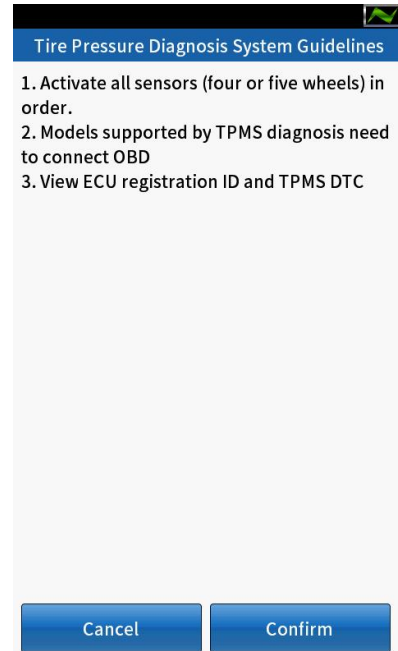
## 2. Basic TPMS Function

### 2.2 Scan Sensor

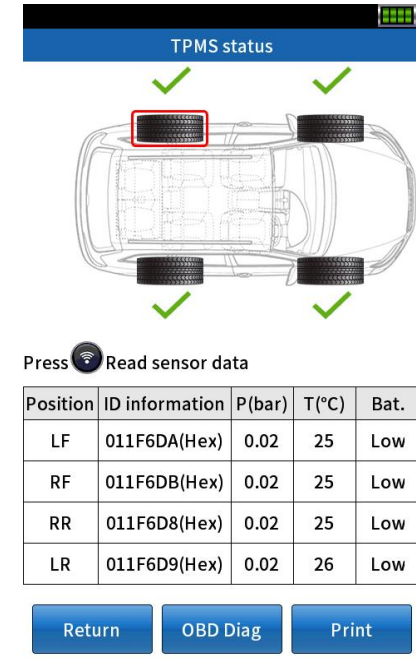
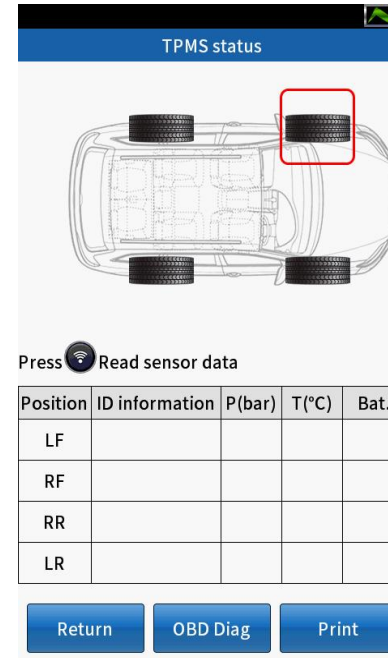
① Select [TPMS diagnosis].



② Click [Confirm] to continue.



③ Select tires, then press  button to activate all sensors installed on the test vehicle separately.



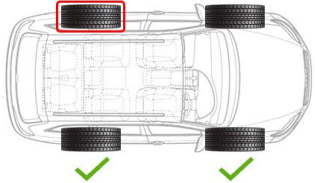
|   |                       |
|---|-----------------------|
| ✓ | Successful activation |
| ✗ | Failed activation     |
| ! | Repeat activation     |

2. Basic TPMS Function

2.3 OBD diagnostic function

① Click [OBD Diag] to [Prompt message].

TPMS status



Press  Read sensor data

| Position | ID information | P(bar) | T(°C) | Bat. |
|----------|----------------|--------|-------|------|
| LF       | 011F6DA(Hex)   | 0.02   | 25    | Low  |
| RF       | 011F6DB(Hex)   | 0.02   | 25    | Low  |
| RR       | 011F6D8(Hex)   | 0.02   | 25    | Low  |
| LR       | 011F6D9(Hex)   | 0.02   | 26    | Low  |

Return

OBD Diag

Print

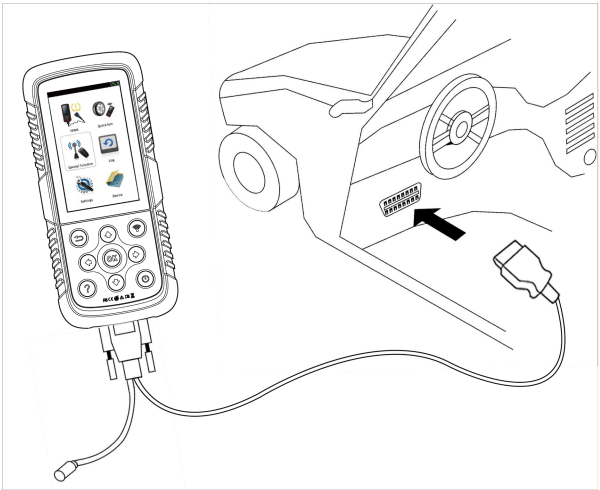
Prompt message

Please connect OBD to the car DLC port and turn on the ignition switch

Cancel

Confirm

② Connect the OBD cable to the vehicle DLC interface, and turn on the ignition switch.



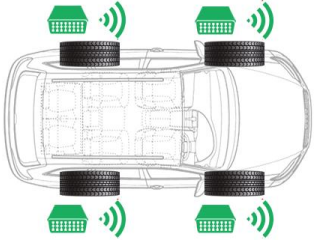
③ Click [Confirm], the screen will display the comparison between the ID value stored in the computer board and the tire ID value.

TPMS status

Read ID successfully!  
Read the fault code of the TPMS system successfully!

Confirm

TPMS status



| ID information |             |              |
|----------------|-------------|--------------|
| Position       | ID (via RF) | ID (via OBD) |
| LF             | 011F6DA     | 011F6DA      |
| RF             | 011F6DB     | 011F6DB      |
| RR             | 011F6D8     | 011F6D8      |
| LR             | 011F6D9     | 011F6D9      |

Return

View DTCs

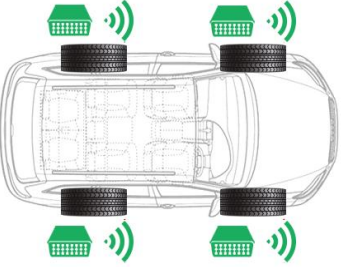
|                                                                                       |       |                                            |
|---------------------------------------------------------------------------------------|-------|--------------------------------------------|
|   | Green | Computer Board ID and Sensor ID Matching   |
|  | Red   | Computer board ID does not match sensor ID |

## 2. Basic TPMS Function

### 2.3 OBD diagnostic function

④ Select [View DTCs].

TPMS status



| ID information |             |              |
|----------------|-------------|--------------|
| Position       | ID (via RF) | ID (via OBD) |
| LF             | 011F6DA     | 011F6DA      |
| RF             | 011F6DB     | 011F6DB      |
| RR             | 011F6D8     | 011F6D8      |
| LR             | 011F6D9     | 011F6D9      |

Return

View DTCs

⑤ Click [Clear] to automatically clear the fault code and re-retrieve the computer board to ensure that all fault codes have been deleted; or click [Save] to store the fault. Code and can be viewed in the "data record".

TPMS DTC

|   |         |                                                                                                |
|---|---------|------------------------------------------------------------------------------------------------|
| 1 | U198483 | CRC and Message Counter Wheel Speed message - Value of signal protection calculation incorrect |
| 2 | C15CC00 | Rear Axle Tire Pressure Placard Value Implausible                                              |
| 3 | C15CD07 | Tire Pressure Sensor 6-Mechanical Failures                                                     |
| 4 | C15CD31 | Tire Pressure Sensor 6-No Signal                                                               |
| 5 | C15CE07 | Tire Pressure Sensor                                                                           |

Print

Previous page

Next page

Return ↩

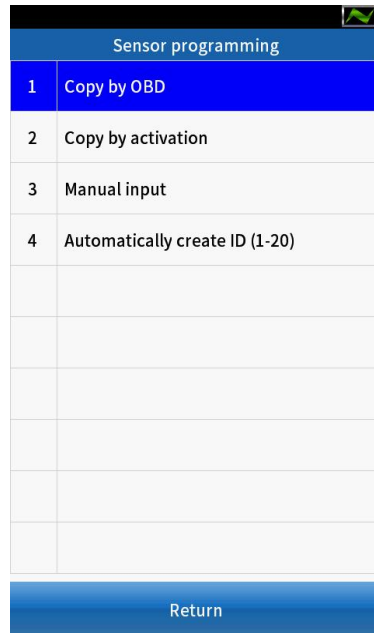
Clear 📶

save OK

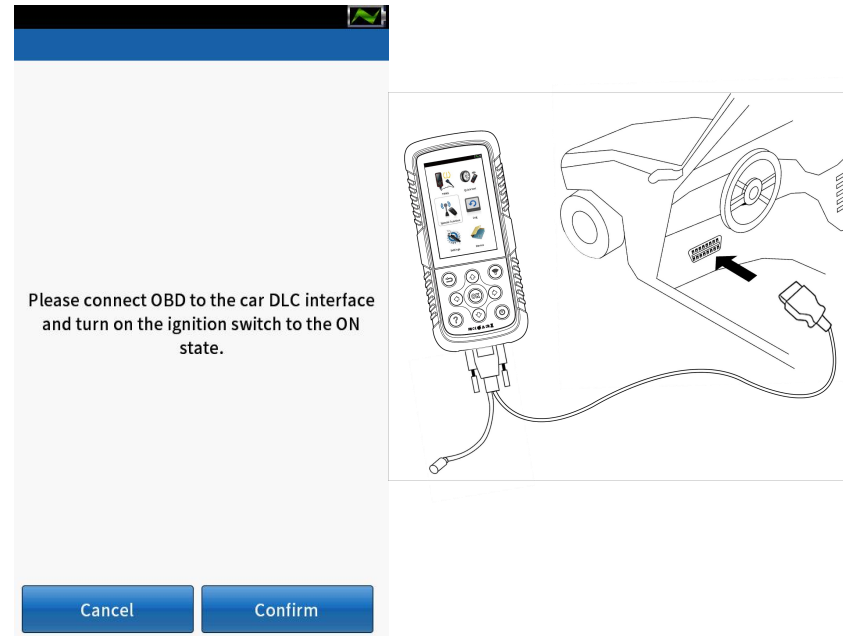
### 3. Sensor programming

#### 3.1 Copy by OBD

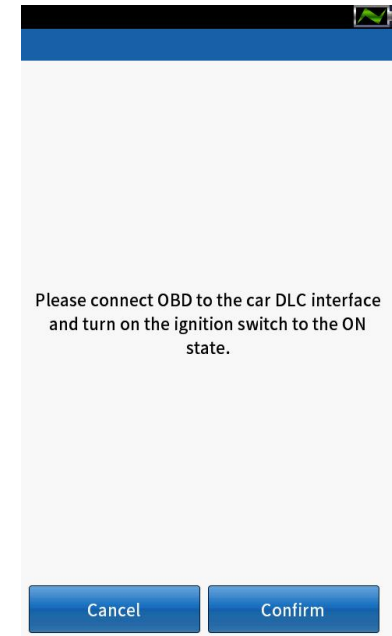
① After the vehicle selection is completed, select **[Copy by OBD]** in **[Sensor programming]**.



② connect the OBD line to the vehicle DLC interface and turn on the ignition switch.



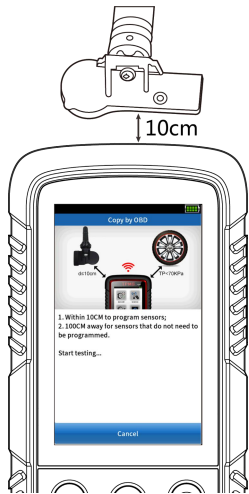
③ Click **[Confirm]**, the device automatically read the sensor ID saved in the device board and display it on the screen.



3. Sensor programming

3.1 Copy by OBD

④ Place a QQR sensor within 10cm from the top of device.



⑤ Select a sensor ID and click [Programming] to start detecting nearby sensors.

Copy by OBD

|   |    |               |
|---|----|---------------|
| 1 | LF | 00C39005(Hex) |
| 2 | RF | 00C39022(Hex) |
| 3 | RR | 00C39025(Hex) |
| 4 | LR | 00C39042(Hex) |

Return

Programming

Print

Copy by OBD

A diagram showing a QQR sensor and a tire sensor. The QQR sensor is labeled 'd≤10cm' and the tire sensor is labeled 'TP<70KPa'. A red wireless signal icon connects them to a central device icon.

1. Within 10CM to program sensors;  
2. 100CM away for sensors that do not need to be programmed.

Start testing...

Cancel

Copy by OBD

Programming...

⑥ Click [Return] to repeat steps ③~⑤ to continue programming other sensors.

Copy by OBD

Program successfully! Sensor data tested as following:

|             |              |
|-------------|--------------|
| ID          | 0C39022(Hex) |
| Pressure    | 0.02(bar)    |
| Temperature | 26(°C)       |
| Voltage     | 0.0          |
| Frequency   | 433M         |
|             |              |
|             |              |
|             |              |

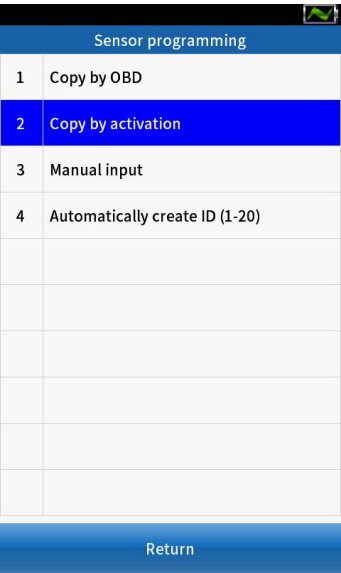
Return

Print

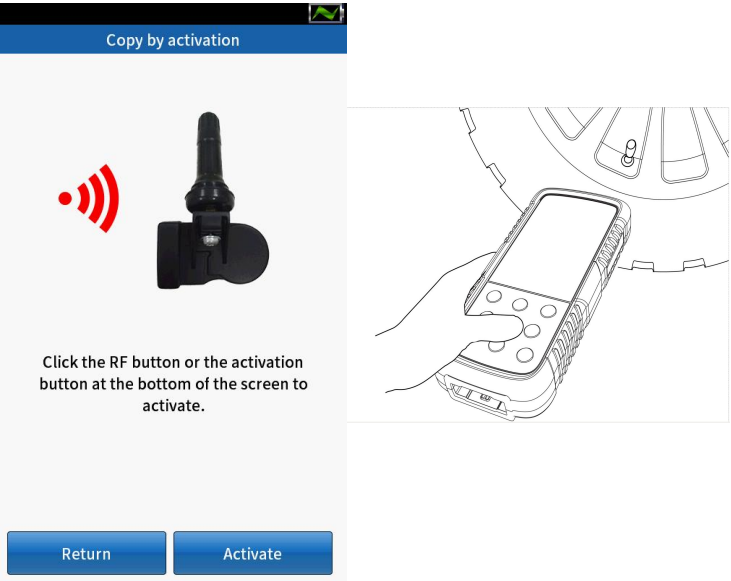
3. Sensor programming

3.2 Copy by activation

① After the vehicle selection is completed, select [Copy by activation] in [Sensor programming].



② Click **【Activate】** or **【RF】** to start activating the sensor.



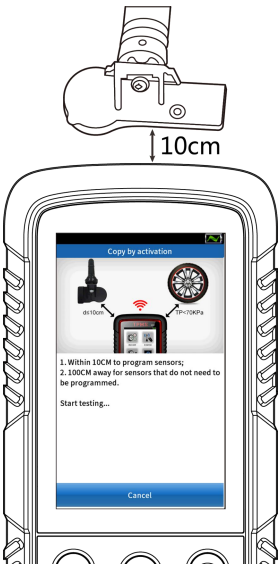
③ If the activation is successful, the OE sensor ID is displayed at the bottom of the screen.



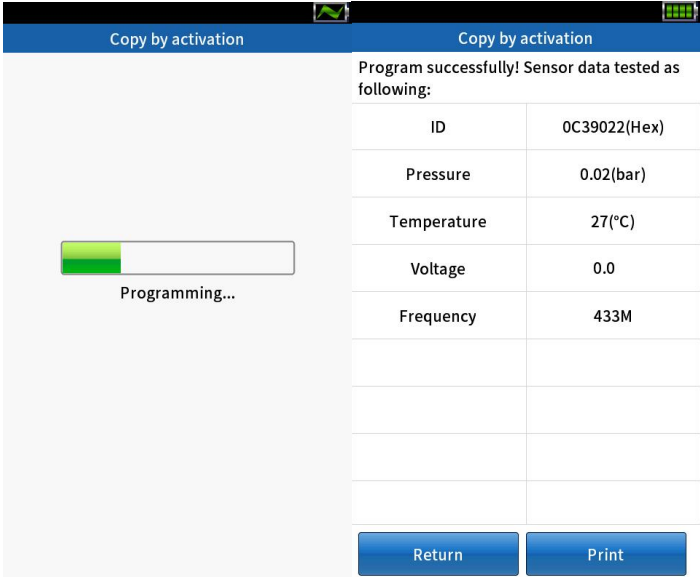
### 3. Sensor programming

#### 3.2 Copy by activation

④ Place a new QQR sensor on the top of the device.



⑤ Click **[Programming]**, the matching instrument starts to detect nearby sensors.



### 3. Sensor programming

#### 3.3 Manual input

① After the model selection is completed, select **[Manual Input]** in **[Sensor programming]**.

Sensor programming

1

Copy by OBD

2

Copy by activation

3

Manual input

4

Automatically create ID (1-20)

Return

② Enter the 8-digit sensor ID number, click **[Confirm]** .

Read sensor ID (hexadecimal)

Read sensor ID (hexadecimal)(8-digits Hexadecimal)

ID

0

1

2

3

4

5

6

7

8

9

A

B

C

D

E

F

Delete

Clear

Cancel

Confirm

③ Click **[Confirm]** to continue programming.

Copy by activation

Input sensor ID::966DC648  
Can you confirm to continue?

Cancel

Confirm

④ The automatically detects the nearby sensor.

Manual input

ds≤10cm

TP<70KPa

1. Within 10CM to program sensors;  
2. 100CM away for sensors that do not need to be programmed.

Start testing...

Programming...

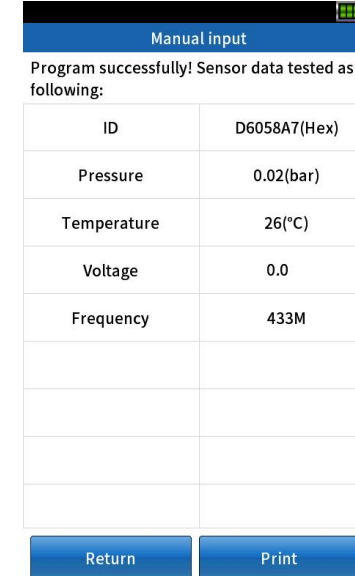
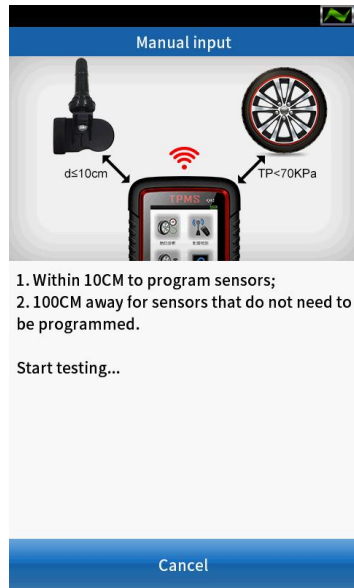
Cancel

### 3. Sensor programming

### 3.3 Manual input

- ④ Automatically detects the nearby sensor; place a QR sensor on the top of the tool within 10cm.

- ⑤ Program successfully, sensor data displayed on the screen.



### 3. Sensor programming

#### 3.4 Automatically create ID (1-20)

① After the model selection is completed, select [Automatically create ID (1-5)] in [Sensor programming].

| Sensor programming |                                |
|--------------------|--------------------------------|
| 1                  | Copy by OBD                    |
| 2                  | Copy by activation             |
| 3                  | Manual input                   |
| 4                  | Automatically create ID (1-20) |
|                    |                                |
|                    |                                |
|                    |                                |
|                    |                                |
|                    |                                |
|                    |                                |
| Return             |                                |

② Place 1-5 QQR sensors within 10cm of the tool; The instrument automatically detects nearby sensors.

Automatically create ID (1-20)

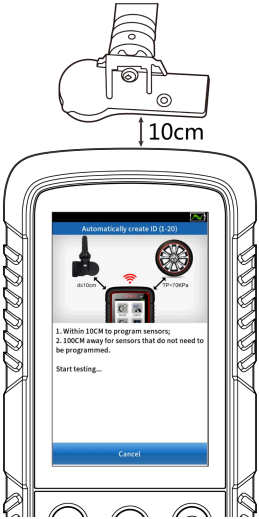
d≤10cm

TP<70KPa

1. Within 10CM to program sensors;  
2. 100CM away for sensors that do not need to be programmed.

Start testing...

Cancel



③ When a sensor is detected, click [Continue] to start programming.

Automatically create ID (1-20)

3 sensors detected  
Programming...

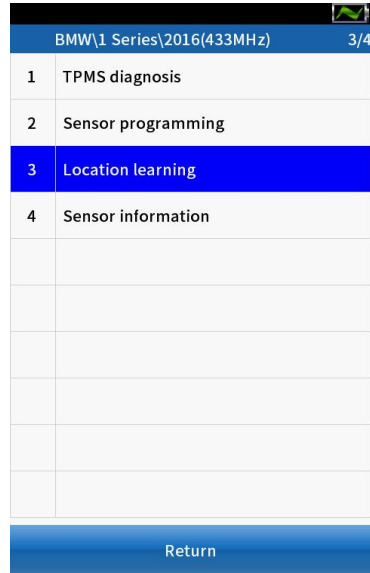
④ Program successfully, sensor ID and SN displayed on the screen.

| Automatically create ID (1-20) |               |               |
|--------------------------------|---------------|---------------|
| No.                            | ID(Hex)       | SN            |
| 1                              | 00092D47(Hex) | 00000001(Hex) |
| 2                              | 00092D48(Hex) | 00000002(Hex) |
| 3                              | 00092D49(Hex) | 00000003(Hex) |
| 4                              | 00092D4A(Hex) | 00000004(Hex) |
|                                |               |               |
|                                |               |               |
|                                |               |               |
|                                |               |               |
|                                |               |               |
|                                |               |               |
| Return                         |               | Print         |

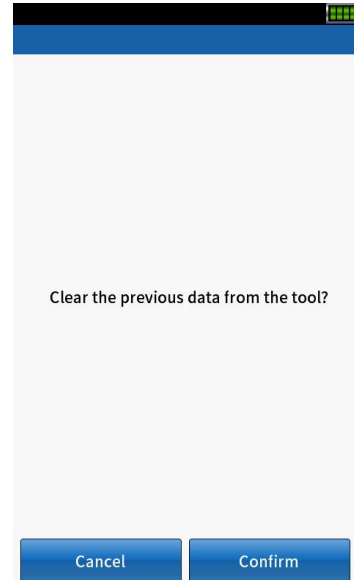
## 4. Location learning

### 4.1 OBD learning

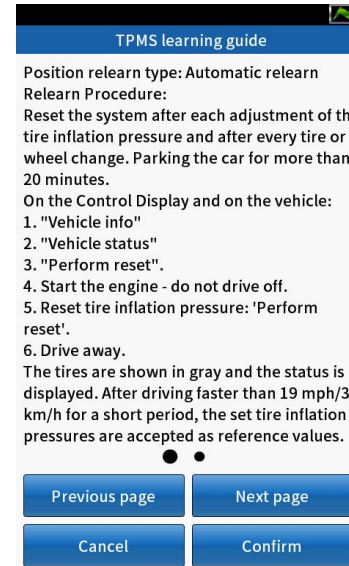
① After the vehicle selection is completed, select **[Location Learning]**.



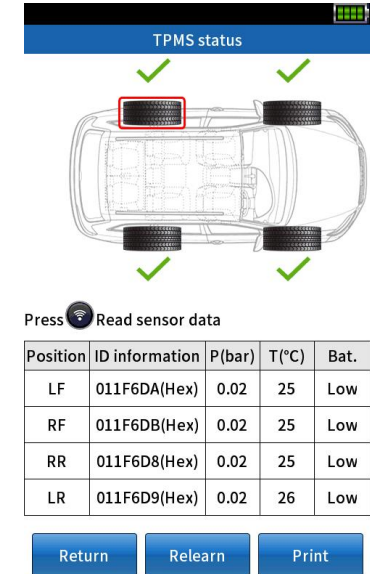
② Select **[Confirm]** to use the previously stored data, or select **[Cancel]** to use the new data.



③ At this point, please read the "Learning guide" carefully and press "Confirm" to continue.



④ Press **[Wi-Fi icon]** to activate all sensors installed on the vehicle separately.



**Note:** If you select [Confirm] in step 2 to use the previously stored data, you do not need to activate the sensor again.

**The activation status prompt is as follows :**

|   |                       |
|---|-----------------------|
| ✓ | Successful activation |
| ✗ | Failed activation     |
| ! | Repeated activation   |

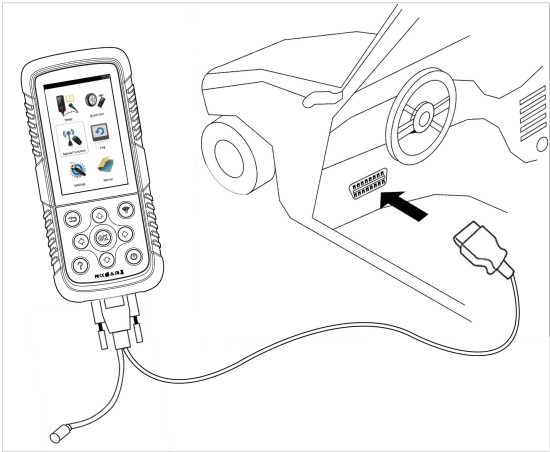
# 4. Location learning

## 4.1 OBD learning

⑤ Click [**Relearn**], and the device will prompt the user to connect to the vehicle.



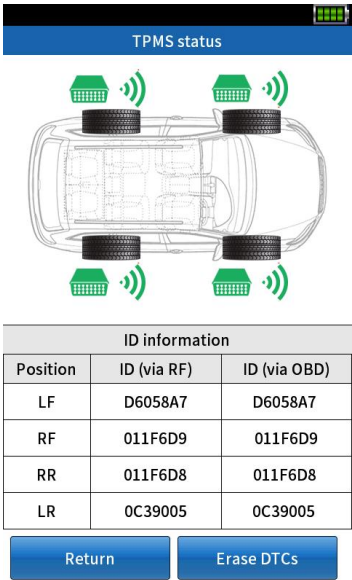
⑥ Connect OBD to the car DLC port, click [**Confirm**] to continue.



⑦ OBD learning successful, click [**Confirm**] to view the sensor ID information.



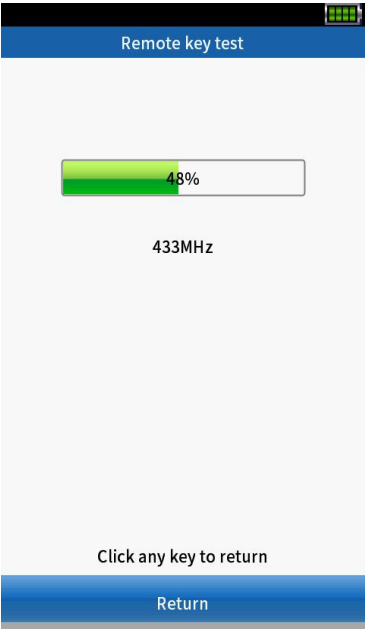
⑧ Select [Erase DTCs] to automatically erase the fault code in the device board and recheck the device board to ensure that all fault codes have been deleted.



# Special function



Use QQR's TPMS device to test Remote key.

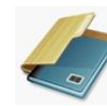


# System settings



| System settings |                     |           |
|-----------------|---------------------|-----------|
| 1               | Language            | English   |
| 2               | ID format           | hex       |
| 3               | Pressure unit       | bar       |
| 4               | Temperature unit    | °C        |
| 5               | Distance unit       | km        |
| 6               | Tone setting        | Turn on   |
| 7               | Automatic shut-down | 5 Minutes |
| 8               | Screen brightness   | 80        |
| 9               | Market              | Europe    |
| Return          |                     |           |

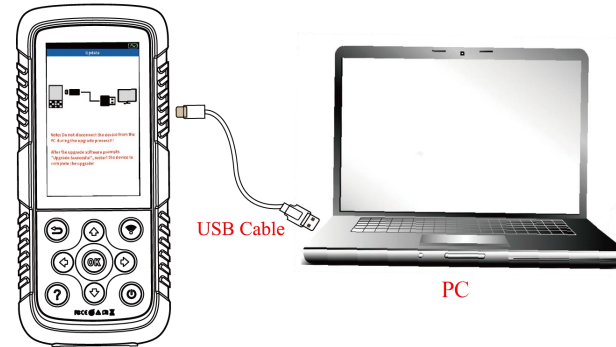
# Update



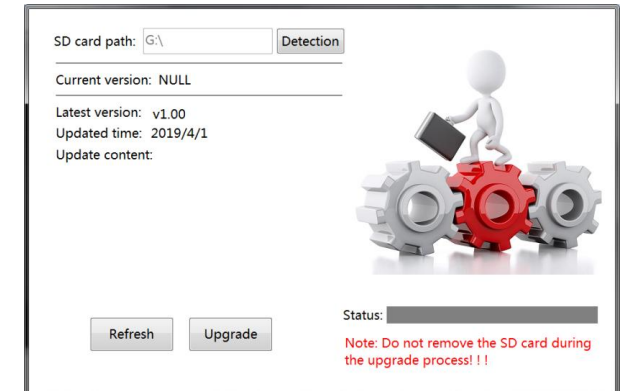
1. Download the upgrade tool “DSO” in the computer.



2. Using the USB cable to connect the device to computer.

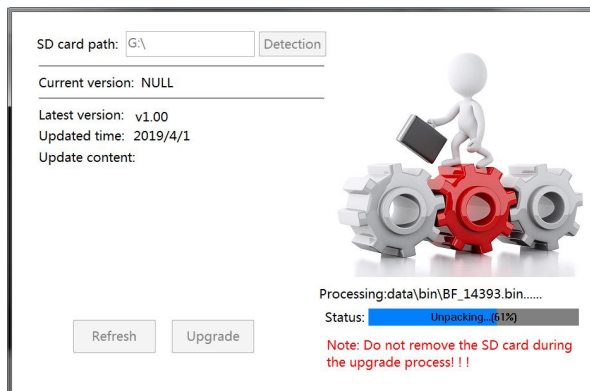


3. Making sure the upgrade tool can recognize the SD card path normally..

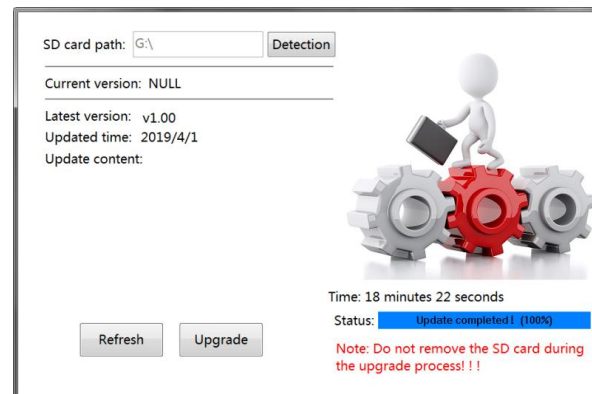


4. Visit the website: [http:// www. dajin-tech. com/ technical-support-and-update/](http://www.dajin-tech.com/technical-support-and-update/), download the upgrade tool: QQR\_PC\_Updatetool.rar.

5. Click [Upgrade] to start the program upgrade



6. Check the progress level on the right side. When “Update completed! (100%)” is displayed, complete the upgrade



FCC Warning Statement: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

## FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.