



OBDResource TPS30 Universal TPMS Relearn Tool User Guide

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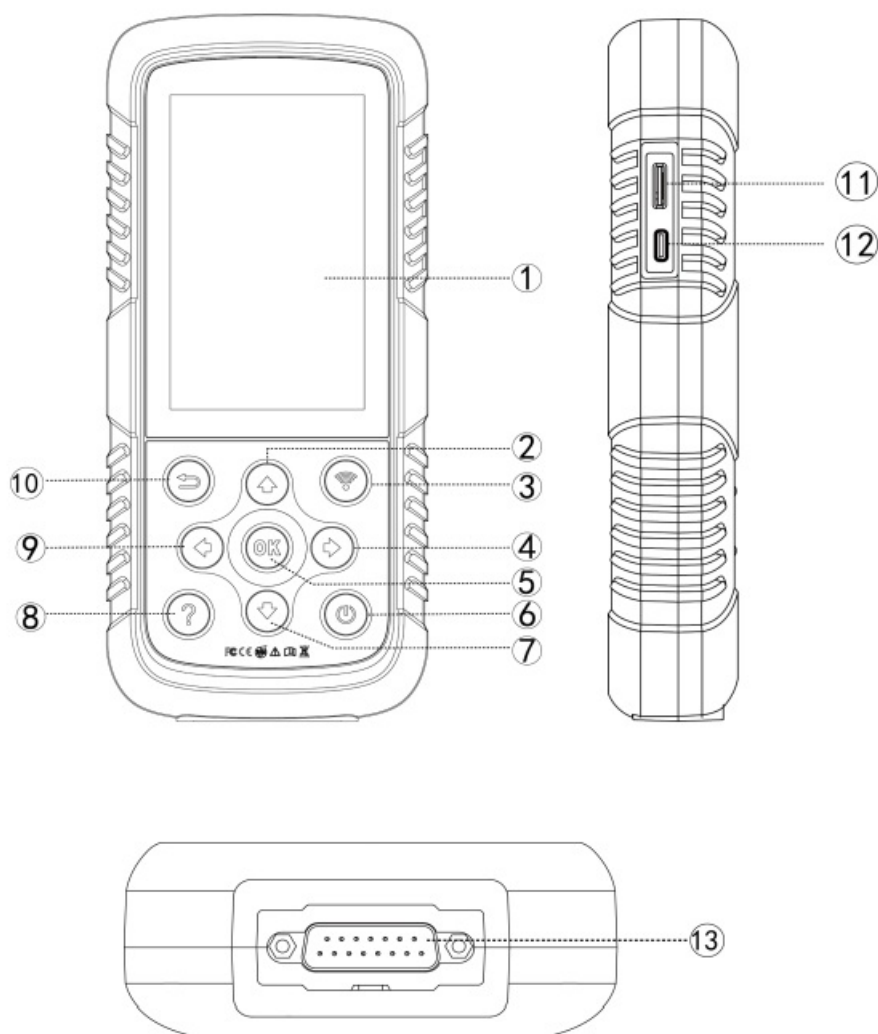


TPS30 Universal TPMS Relearn Tool User Guide

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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

Basic TPMS Function

2.1 Read/Scan Sensor

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



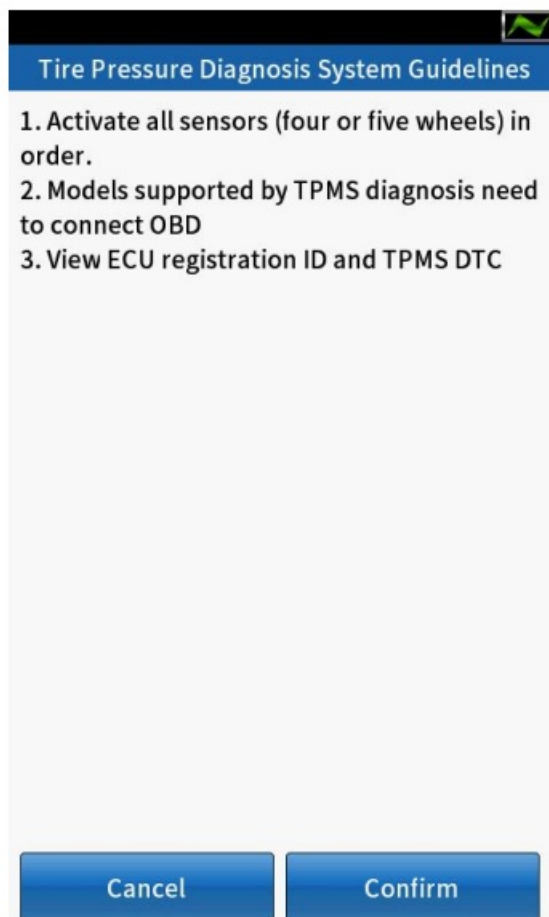
BMW\1 Series		1/12
1	2017(433MHz)	
2	2016(433MHz)	
3	2015(433MHz)	
4	03/2014-12/2014(433MHz)	
5	2013(433MHz)	
6	2012(433MHz)	
7	2011(433MHz)	
8	01/2010-08/2010(433MHz)	
9	2009(433MHz)	
10	2008(433MHz)	
Return		Previous page
		Next page


2.2 Scan Sensor

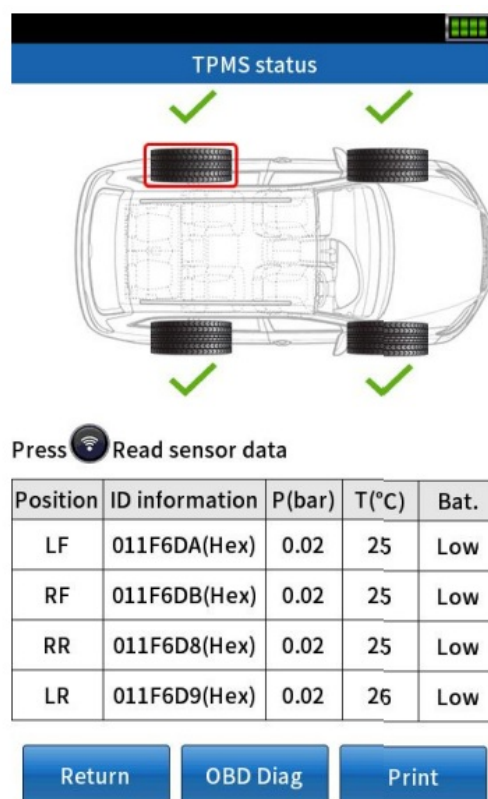
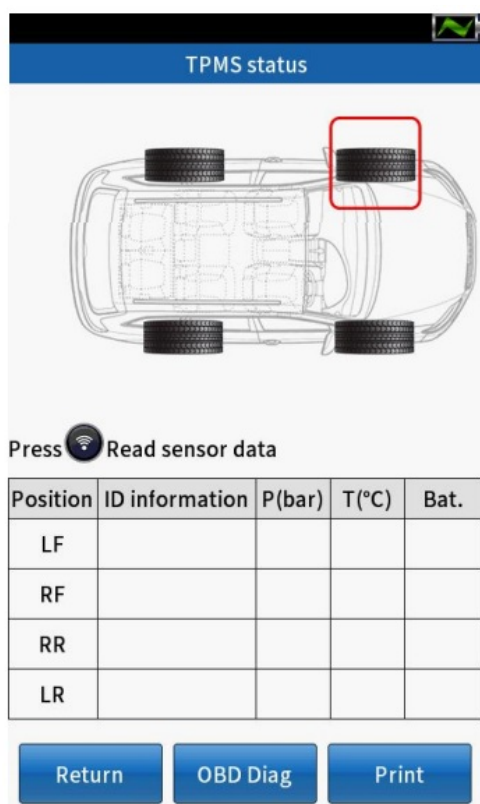
① Select [TPMS diagnosis].




BMW\1 Series\2016(433MHz)		1/4
1	TPMS diagnosis	
2	Sensor programming	
3	Location learning	
4	Sensor information	
Return		

② Click [Confirm] to continue.



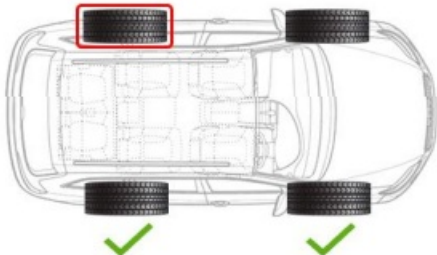
③ Select tires, then press  button to activate all sensors installed on the test vehicle separately.




	Successful activation
	Failed activation
	Repeat activation

2.3 OBD diagnostic function


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



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

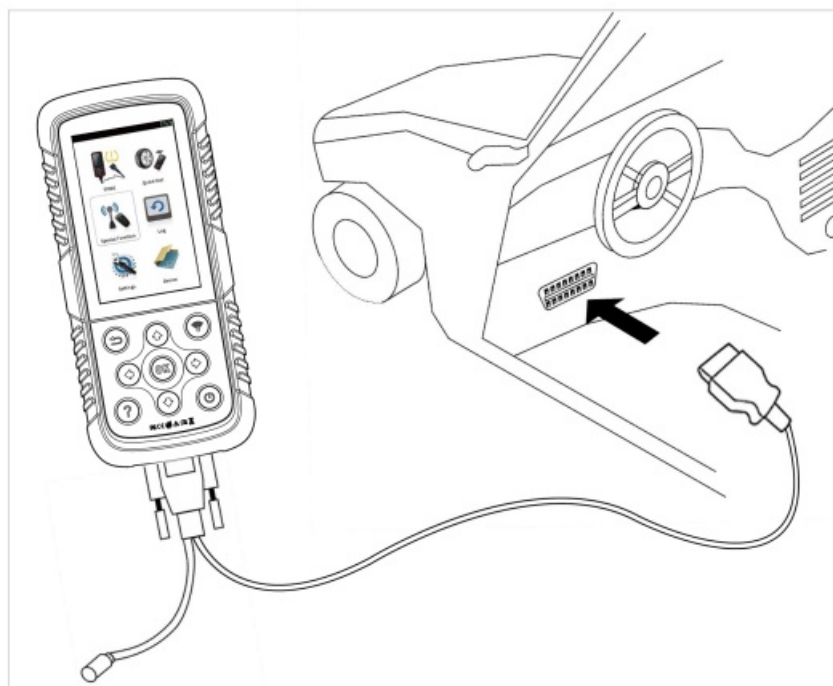
Return OBD Diag Print



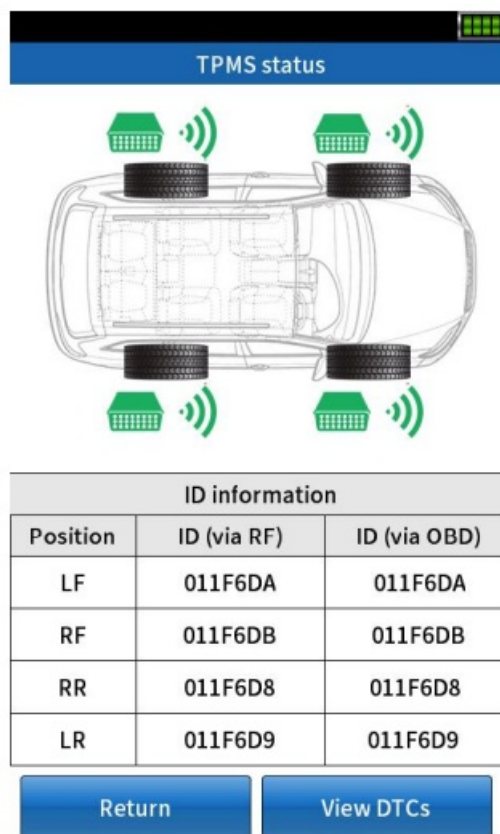
Please connect OBD to the car DLC port and turn on the ignition switch



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.



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

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	C15CF07	Tire Pressure Sensor

Print

Previous page

Next page

Return

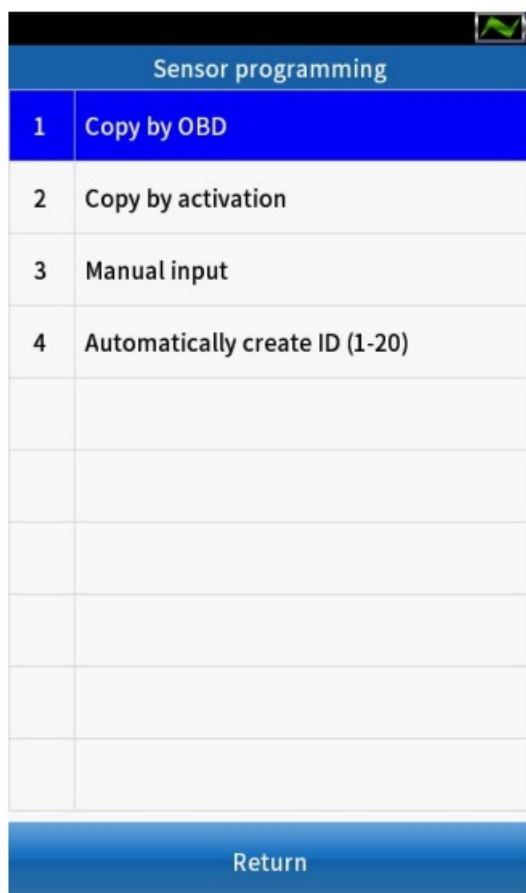
Clear

save **OK**

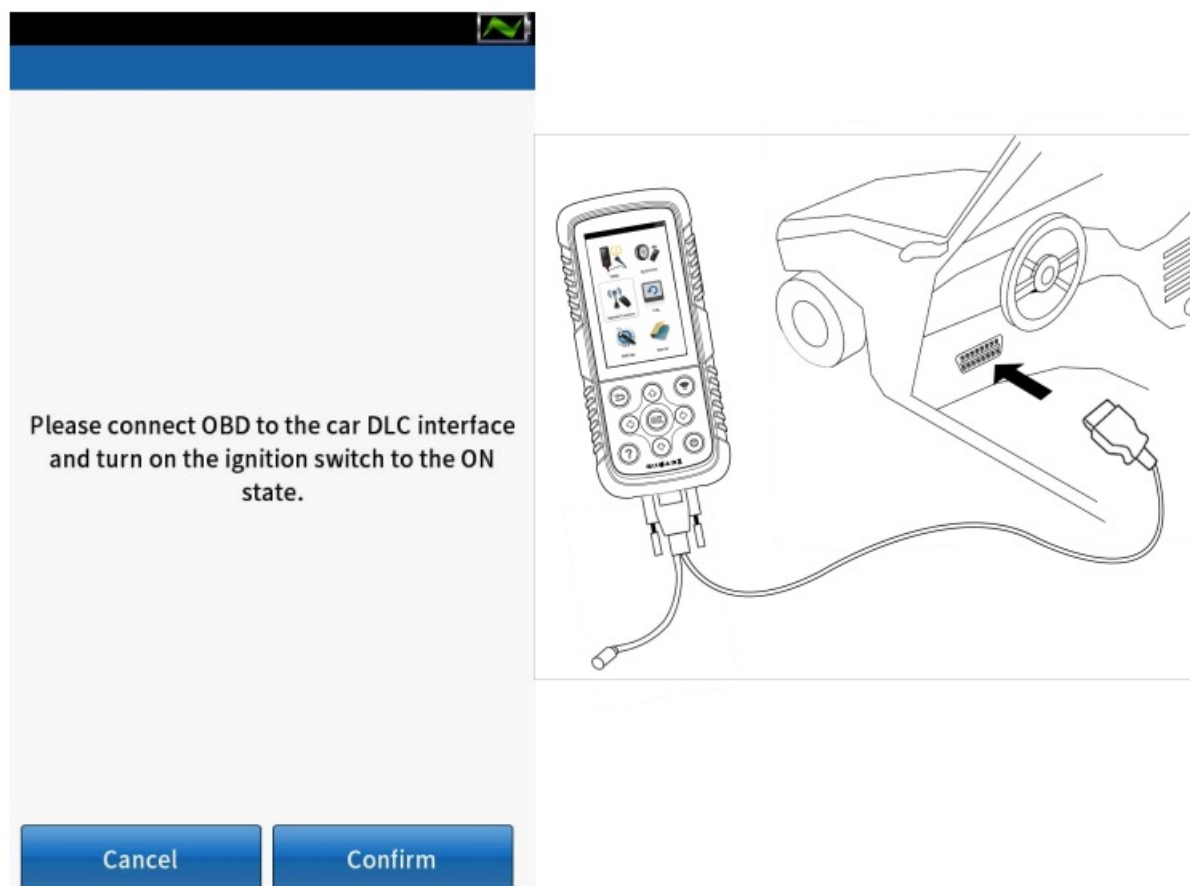
Sensor programming

3.1 Copy by OBD

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



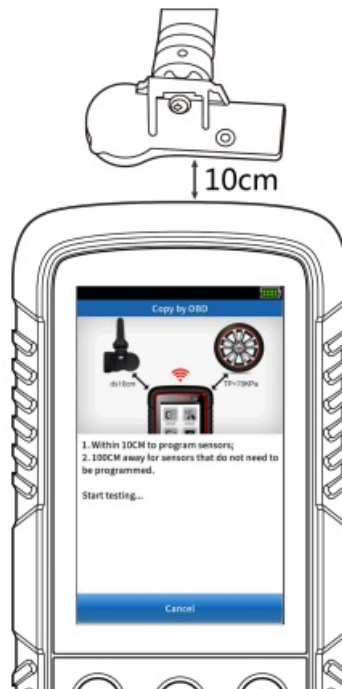
② connect the OBD line to the vehicle DLC interface and turn on the ignition switch.



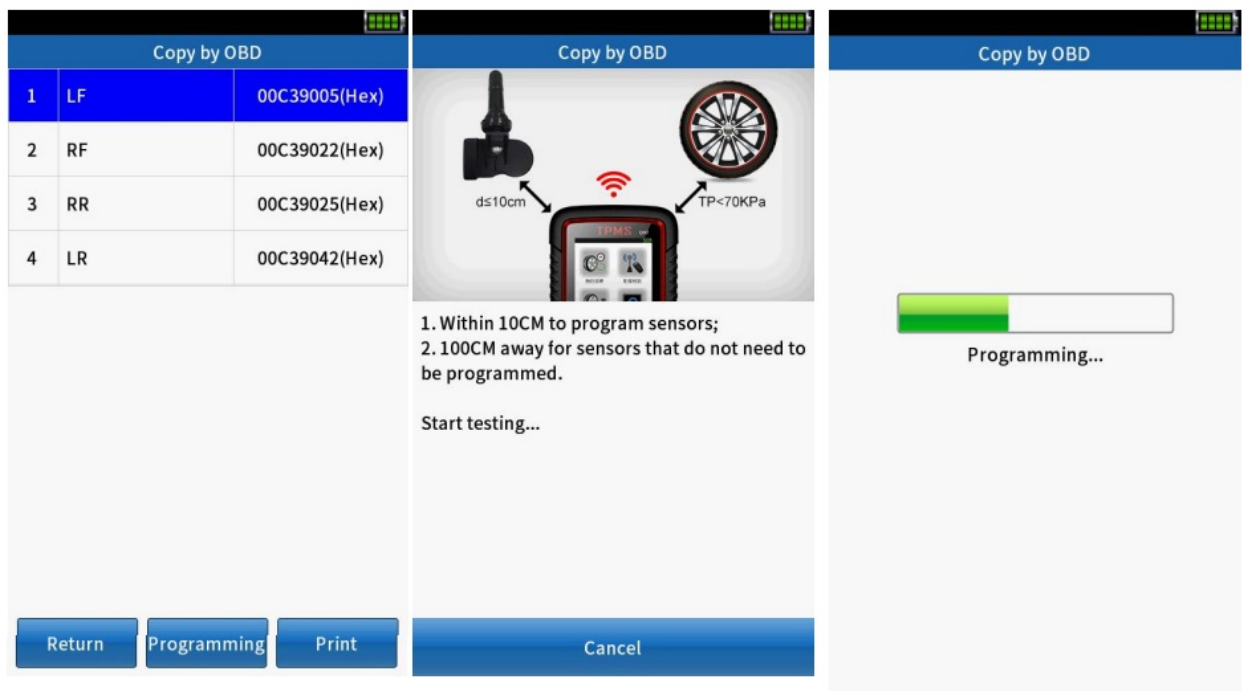
③ Click [Confirm], the device automatically read the sensor ID saved in the device board and display it on the screen.



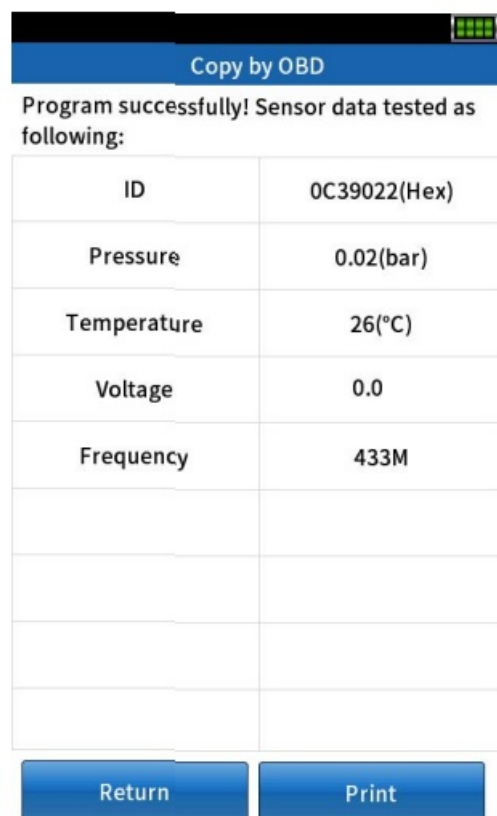
- ④ Place a QQR sensor within 10cm from the top of device.



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



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



3.2 Copy by activation

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

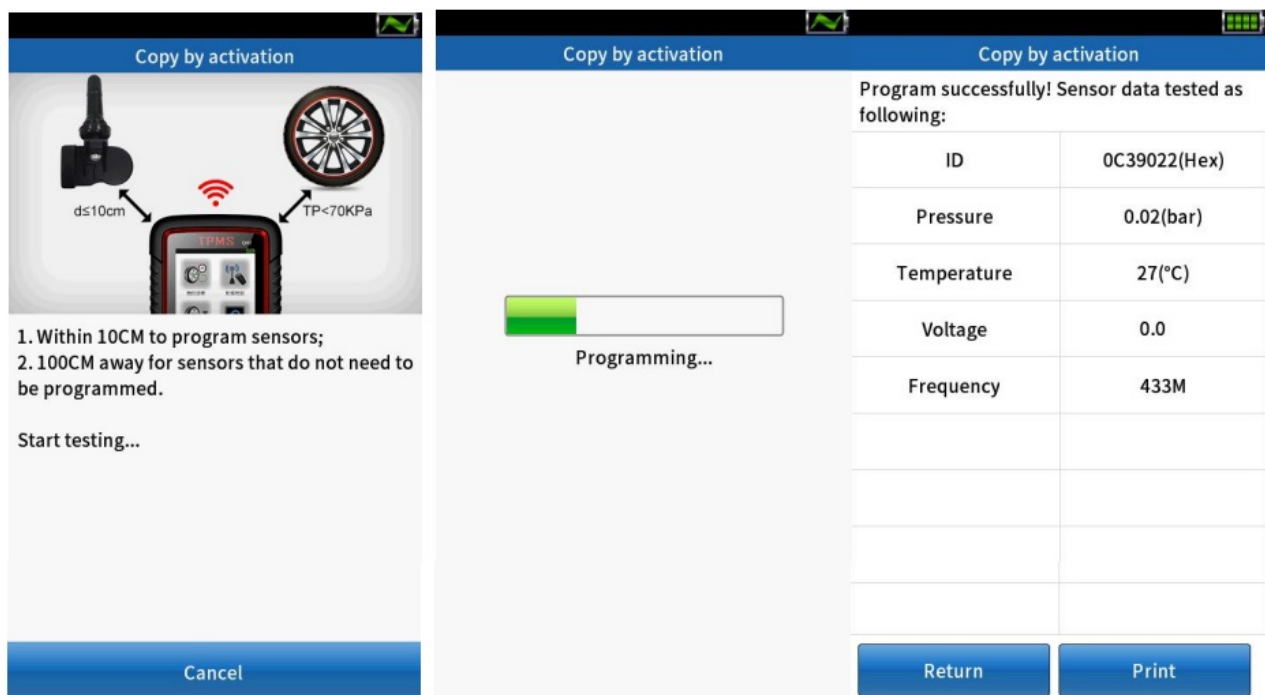


3.2 Copy by activation

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

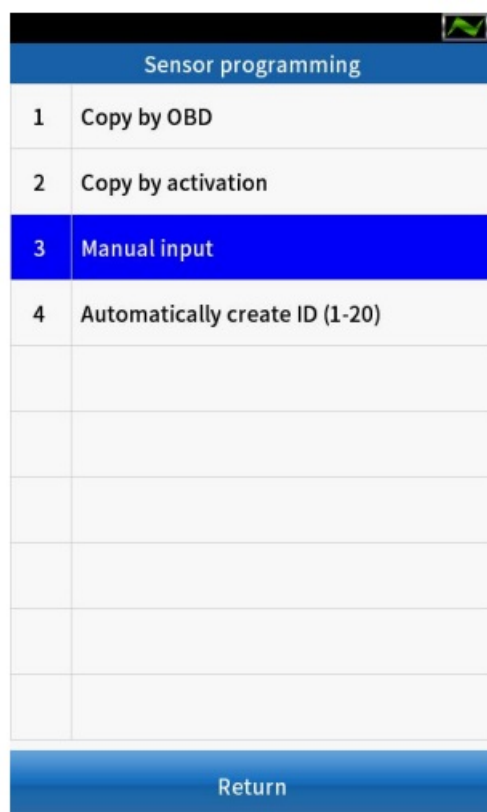


- ⑤ Click [Programming], the matching instrument starts to detect nearby sensors.

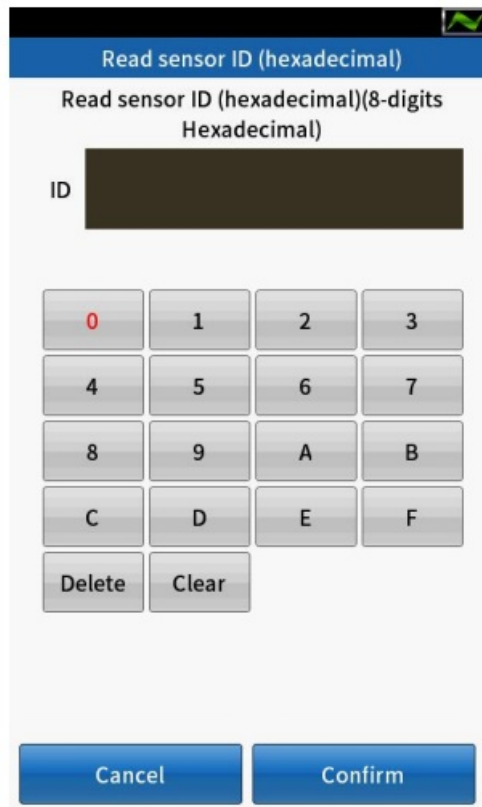


3.3 Manual input

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



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



Read sensor ID (hexadecimal)

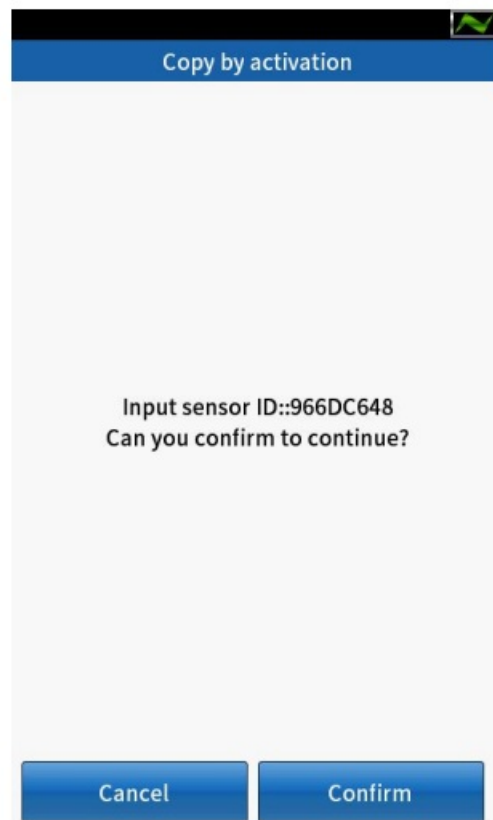
Read sensor ID (hexadecimal)(8-digits Hexadecimal)

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.

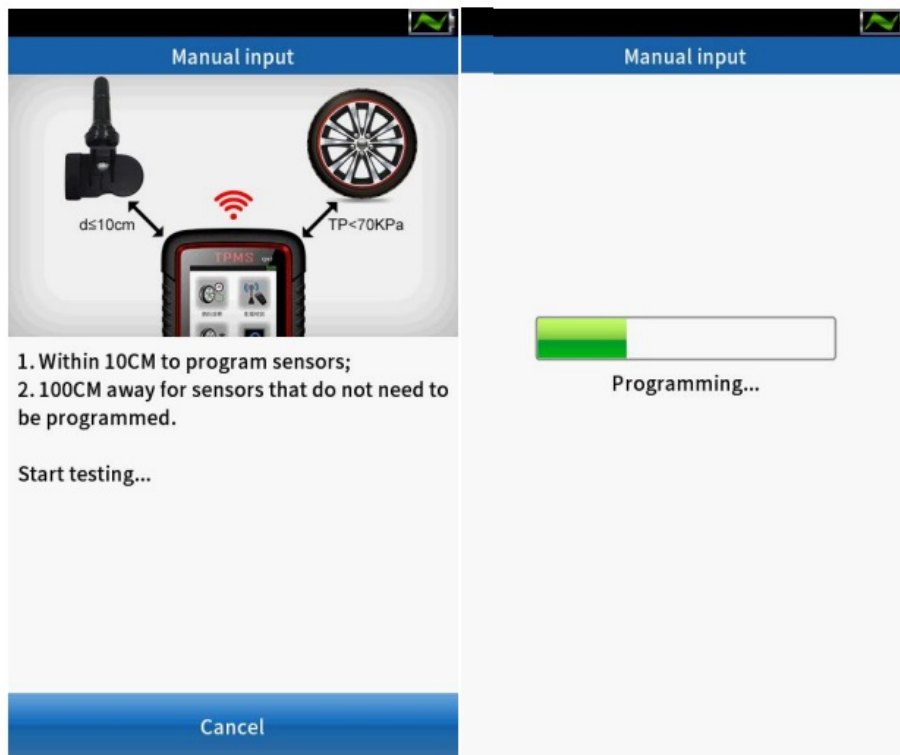


Copy by activation

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

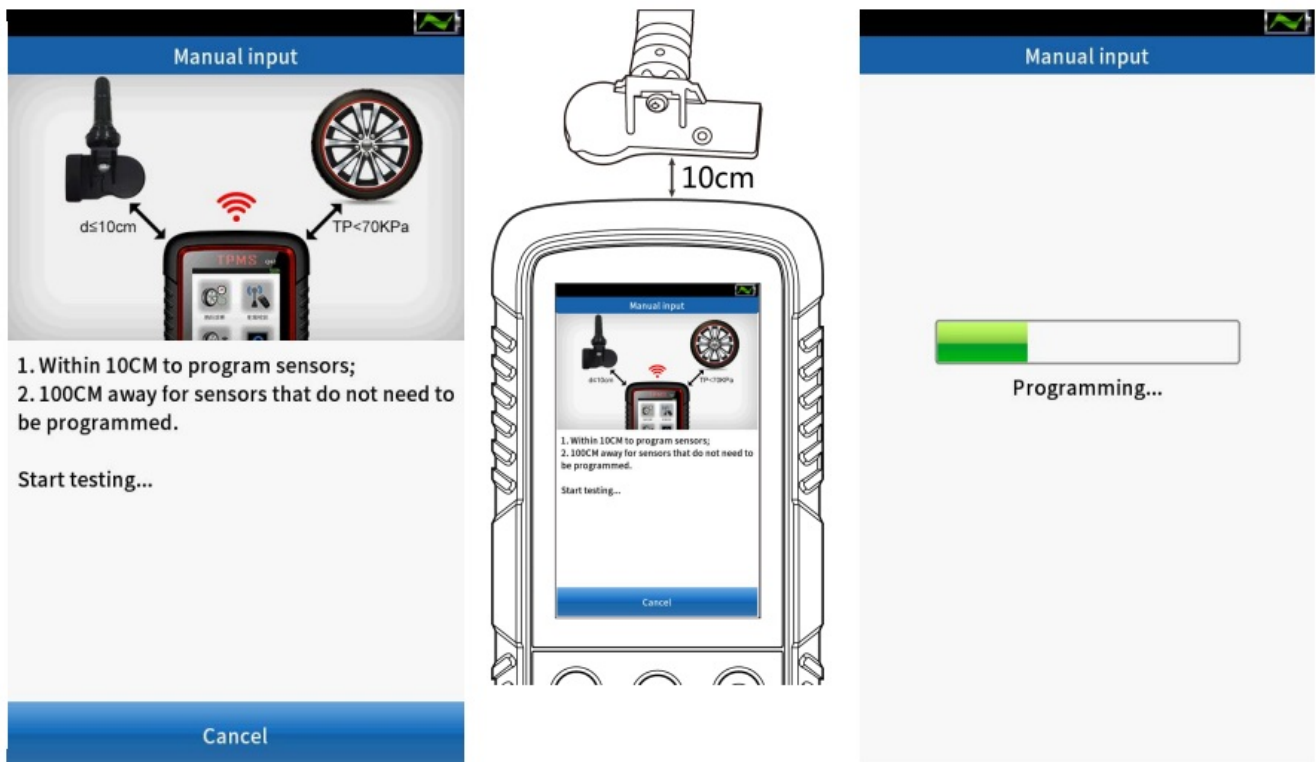
Cancel Confirm

④ The automatically detects the nearby sensor.




3.3 Manual input

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



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



Manual input

Program successfully! Sensor data tested as following:


ID	D6058A7(Hex)
Pressure	0.02(bar)
Temperature	26(°C)
Voltage	0.0
Frequency	433M

Return

Print

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

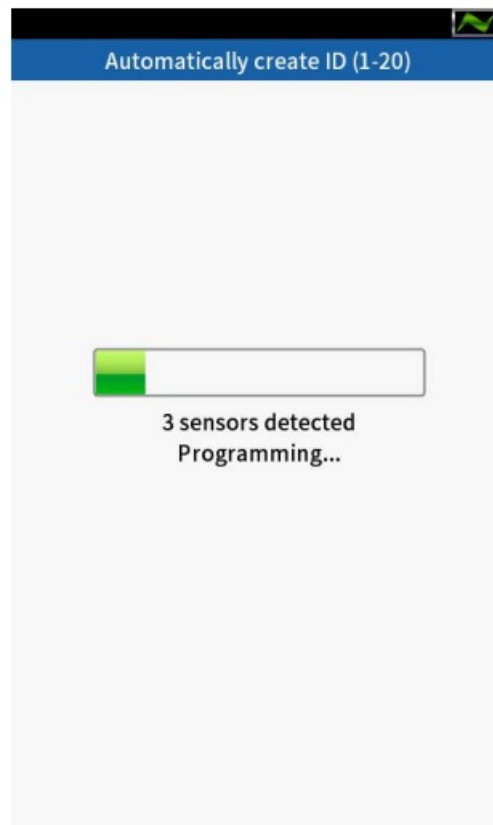
1	Copy by OBD
2	Copy by activation
3	Manual input
4	Automatically create ID (1-20)

Return

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



③ When a sensor is detected click [Continue] to start 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)
<div>Return</div> <div>Print</div>		

Location learning

4.1 OBD learning

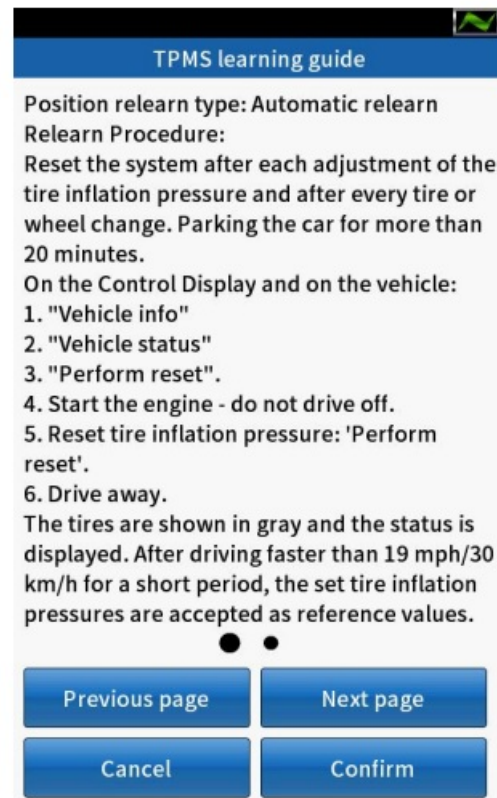
① After the vehicle selection is completed, select [Location Learning].


BMW\1 Series\2016(433MHz)		3/4
1	TPMS diagnosis	
2	Sensor programming	
3	Location learning	
4	Sensor information	
Return		

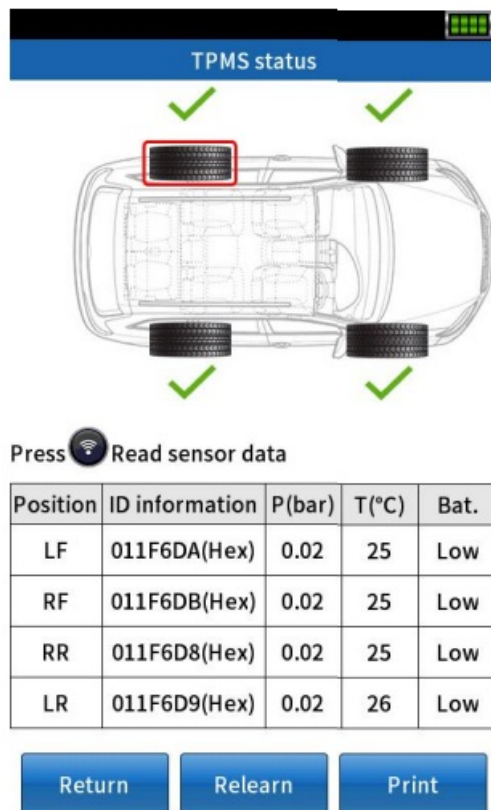
② Select [Confirm] to use the previously stored data, or select [Cancel] to use the new data.



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



④ Press  to activate all sensors installed on the vehicle separately.



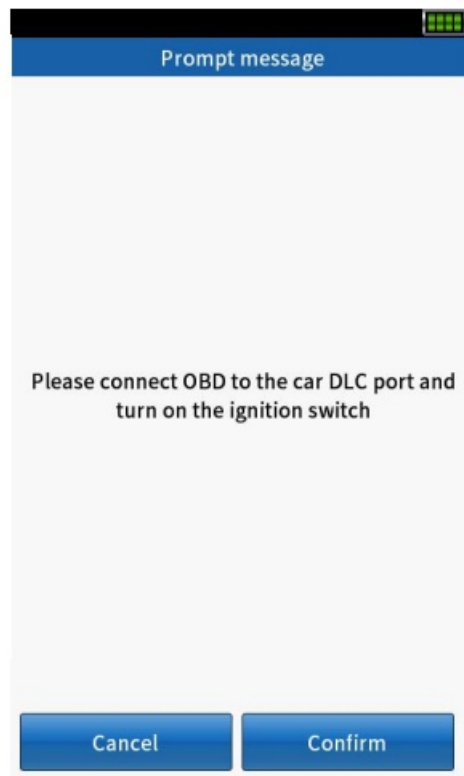
Note: If you select [Confirm] in step 2 to use the previously stored data, you do not need to activate the sensor again.

The activation status prompt is as follows

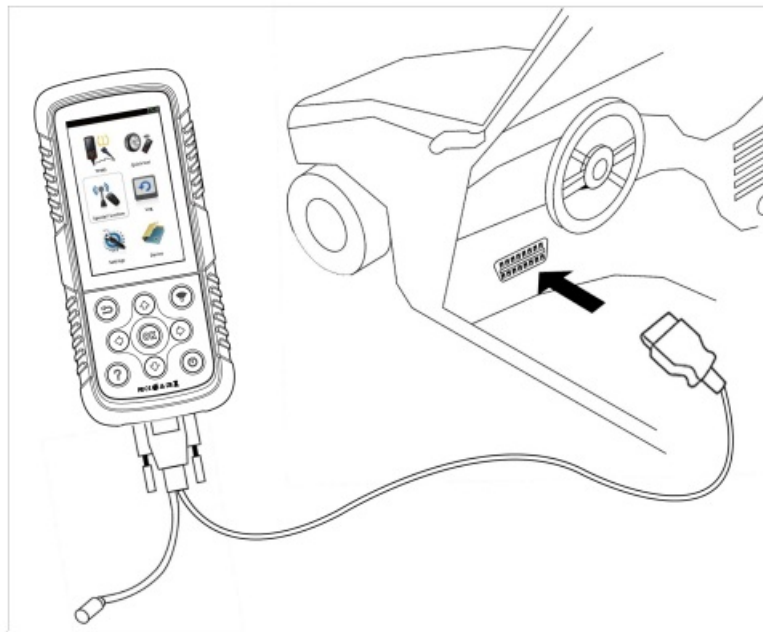
	Successful activation
	Failed activation
	Repeated activation

4.1 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.

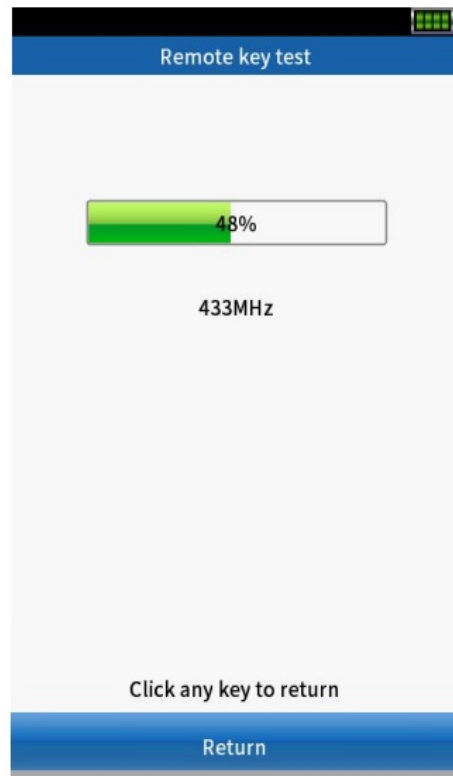


⑧ Select [Erase DTCs] to automatically erase the fault code in the device board and recheck the device board to ensure that all fault codes have been deleted.

 A screenshot of a TPMS status screen. At the top, there is a blue header bar with the text "TPMS status" and a battery level indicator on the right. Below the header, there is a diagram of a car from a top-down perspective, showing the four wheels. Each wheel has a green icon representing a TPMS sensor. Below the diagram, there is a table titled "ID information" with three columns: "Position", "ID (via RF)", and "ID (via OBD)". The table contains four rows of data for the four wheels. At the bottom, there are two blue buttons: "Return" and "Erase DTCs".

ID information		
Position	ID (via RF)	ID (via OBD)
LF	D6058A7	D6058A7
RF	011F6D9	011F6D9
RR	011F6D8	011F6D8
LR	0C39005	0C39005

Special function 
 Use QQR's TPMS device to test Remote key.



System settings

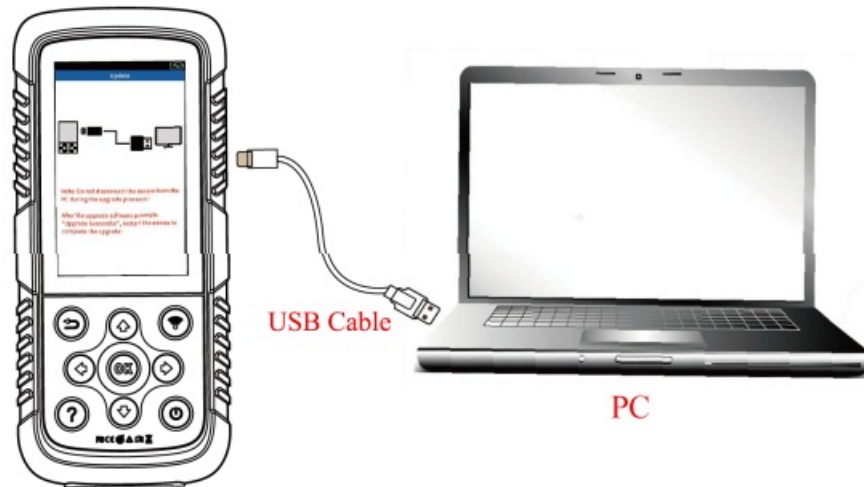
System settings		
1	Language	English
2	ID format	hex
3	Pressure unit	bar
4	Temperature unit	°C
5	Distance unit	km
6	Tone setting	Turn on
7	Automatic shut-down	5 Minutes
8	Screen brightness	80
9	Market	Europe
Return		

Update

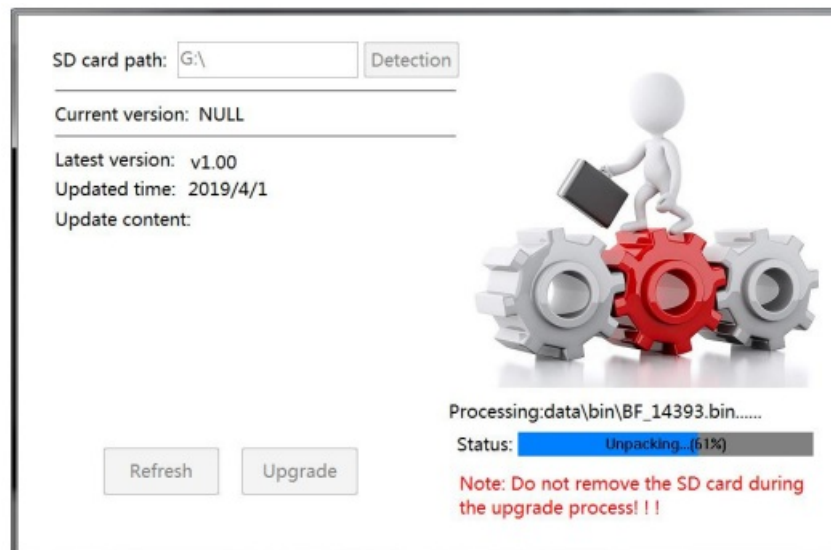
1. Download the upgrade tool “DSO” in the computer.



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

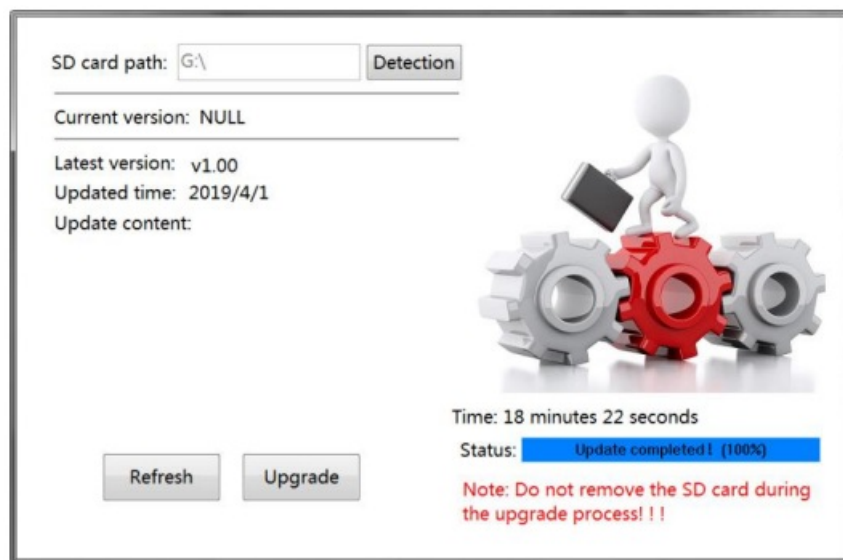


3. Making sure the upgrade tool can recognize the SD card path normally..

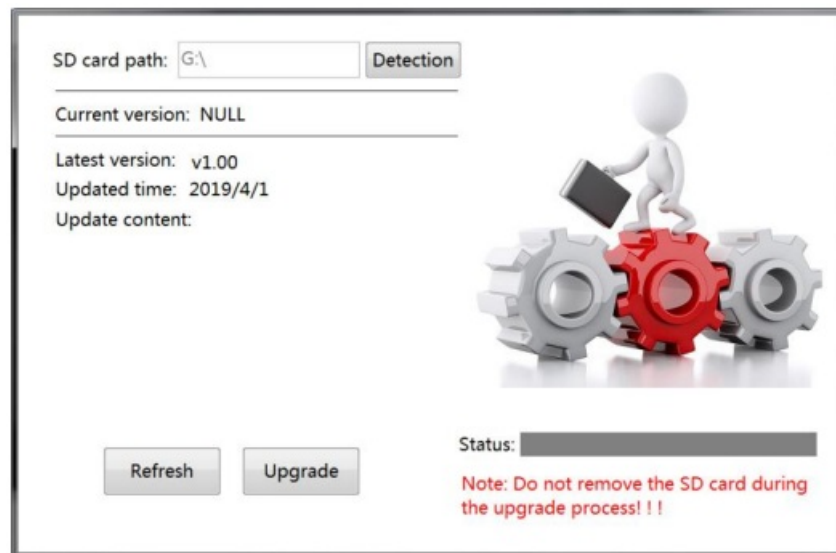


4. Visit the website: <http://www.dajin-tech.com/technicalsupport-and-update/download> the upgrade tool: QQR_PC_Updatetool.rar.

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.

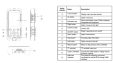
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

Documents / Resources

	<p>OBDResource TPS30 Universal TPMS Relearn Tool [pdf] User Guide 2A5A7-TPS30, 2A5A7TPS30, TPS30 Universal TPMS Relearn Tool, Universal TPMS Relearn Tool, TPMS Relearn Tool, Relearn Tool</p>
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Manuals+.