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AUTOGEM


# i-sensor® pro
# user guide

**June 2020**

# Table of contents

# Important Information

Battery Information

• If the i-sensor® pro TPMS Tool has not been used for a prolonged period, it may be necessary to connect the charger to begin charging the battery.

• If the battery is completely discharged, it may take several minutes to charge before the POWER ON.

• Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, paper clip, or pen comes in direct contact with the positive (+) and negative (-) terminals on the battery. Do not dispose of batteries in a fire as they may explode. Batteries may also explode if damaged. Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as common waste.

• Do not dismantle or shred batteries. In the event of a battery leak, do not allow the liquid to come in contact with the skin or eyes. In the event of such a leak, flush skin or eyes immediately with water and seek medical help immediately.

• If using any device, method, or component other than the recommended battery charger for charging, it may cause the battery to overheat, burn, melt, or explode. It also may cause damage and danger to the person and property of the user or a third person.

All rechargeable batteries are consumables with limited service life and ultimately reduced capacity and efficiency.

Users must read and strictly follow them to avoid any form of damage.

1. Do not attempt to disassemble, open, compress, stab, cut or modify the battery.
2. Do not allow water or any liquid to come into contact with the battery.
3. Store the battery in a cool place (room temperature between -20 and 30 ° C (-4 to 86 °F)), dry indoor environment, battery idle time of more than 3 months, it is recommended to charge regularly.
4. If the battery is damaged and its internal electrolyte comes into contact with your skin or clothing, rinse immediately with plenty of water. If the electrolyte comes into contact with your eyes or mouth, besides immediately flushing with plenty of water, look for seeking medical assistance.
5. Be sure to keep the leaking battery away from fire to avoid fire or explosion.
6. Please dispose of the used battery properly according to the local regulations.

Please keep, use and dispose of batteries in strict accordance with the instructions of the manufacturer and the instructions in this instruction.

Any form of direct or indirect damage caused by improper or incorrect storage, use or disposal of batteries in violation of the instructions or methods of the manufacturer and the instructions herein shall not be covered by the manufacturer's warranty or liability, whether for the product, person or property.

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

## Specification

| Item | Specification |
|---|---|
| Operating Frequency | 125kHz,433Mhz,315Mhz,2.4Ghz |
| Power Input / Current | 5V/2A |
| Sleeping Current | 268 uA |
| Operating Current | 400 mA(Max 800mA) |
| Standard Operating Temperature | 10 ~ 40 ℃ (50 - 104 °F) |
| Short-term Storage Temperature | -20 ~ 60 ℃ (-4 - 140°F) |
| Long-term Storage Temperature | -20 ~ 45 ℃(-4 - 114°F) |
| Operating Humidity | 20-90% |
| Storage Humidity | 20-90% |
| Standard Charging Method | 10 ~ 40 ℃(50 - 104°F) |
| Size(rubber) | 210*102*62mm |
| Weight | 630g ± 5% ( 60U029 series) |
| | 610g ± 5% ( 60U024 series) |

## Part List

| NO | Item | Q'ty |
|---|---|---|
| 1 | i-sensor® pro TPMS Tool | 1 |
| 2 | OBD II cable | 1 |
| 3 | Charger ( 5V/2A) | 1 |
| 4 | Micro USB cable | 1 |
| 5 | Magnet | 1 |
| 6 | Quick Start Guide | 1 |
| 7 | Bluetooth OBD II Module | 1 |

Note: Store the tool in a cool place (room temperature between -20 and 30 ° C (-4 to 86°F)), in a dry indoor environment. If the battery is idle for more than three months, it is recommended to charge regularly.

Note: If the tool is stored in high temperature environments (45-60°C), even if the battery is exchanged every three months, its capacity will decrease at a higher rate than under the suggested storage conditions.

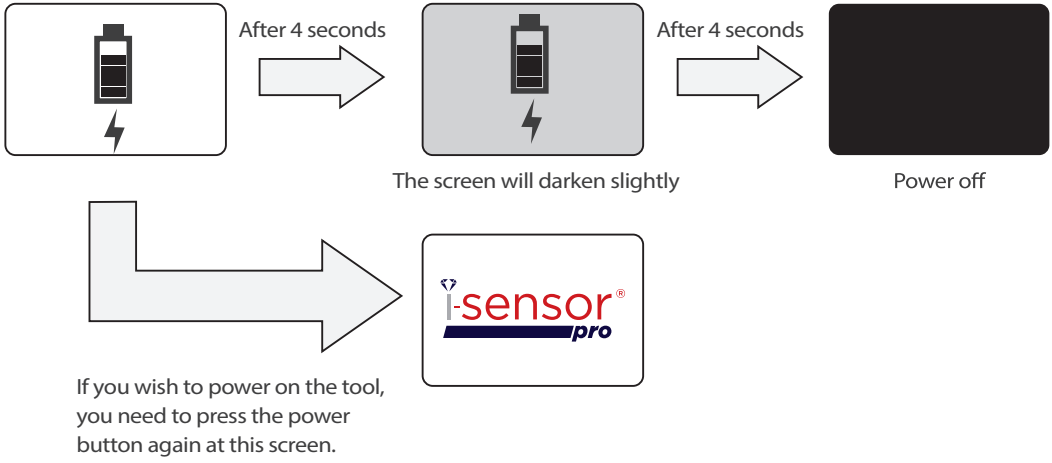
## Charging the Tool

The tool has a rechargeable battery. It takes approximately four hours to charge from a fully depleted battery. Only use a DC adapter that has the exact power rating as the factory supplied charger (5V / 2A). Any other voltage rating could permanently damage the tool and void the warranty.

When the tool battery is very low, the battery life status icon on the LCD will turn red. When this happens, you should plug it into a power source soon. You can continue to use the tool while it is charging.

If the tool is powered on and charging, the battery life status icon will animate. Note that once the tool is fully charged, the charge indicator light will no longer appear. Always be sure to fully charge the tool before updating, or plug it to a power source when updating.

If the tool is powered off and charging, you can press the power button for three seconds to check the battery voltage. There will appear a graphic to show the battery voltage.




**Note:** Charge and discharge the battery between 10 and 40 ° C (50 to 104 ° F). If the battery is charged or discharged outside the specified range, electrolyte leakage, heat or other damage may occur.
Do not charge continuously for more than 8 hours without being looked after.

-Be sure to fully charge the tool the first time you use it.-

# 1.i-sensor® pro TPMS TOOL Introduction

The i-sensor® pro TPMS Tool, henceforth called i-sensor® pro or the tool, can diagnose and interact with the tyre pressure sensor through wireless (radio frequency)

communication to:

- Retrieve data from the tyre pressure sensor.
- Verify the identity of each tyre pressure sensor mounted in the wheels.
- Assist technicians in servicing i-sensor® during relearn procedures.

NOTE: The sensor shall be diagnosed close to left or right antenna.

## 1.1 APPEARANCE

## 1.2 KEYPAD SUMMARY

| | | | |
|---|---|---|---|
|  | Power On/Off |  | Navigate through functions, options, measurements and parameters by pressing keys |
|  | OK key, press it to validate or process function |  | Home key, goes back to main menu. In camera mode, for focusing. |
|  | Esc key, press it to return to the previous menu without parameter validation |  | Tread Depth mechanism. |
|  | Indicator will turn red when battery is low |  | Indicator will turn orange when charging |
|  | Micro-USB connection socket for charging (5V/2A)/IDtoPC/updating |  | RJ11 cable socket.<br>Connect with old version OBDII and other functions TBA |
|  | LED for Camera |  | AF Camera |
|  | 15 pin connector socket for wire OBD II cable | | |

# 2. Functions

Press and hold the power key for 3 seconds to power on the device.

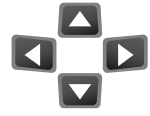

During power on, the device displays the CUB logo.


Now the device is at the MAIN MENU.

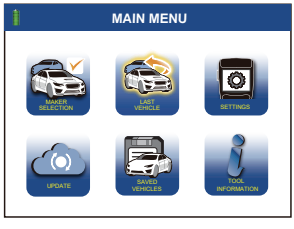
## 2.1 MAKER SELECTION

Note: Definition

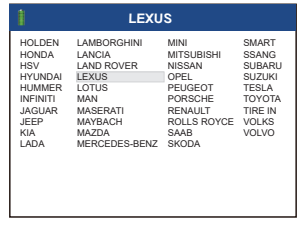

**OK key :** Select / Validate / Process



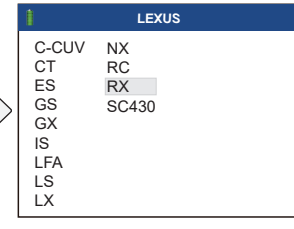
**Arrow Keys:** Use arrow keys to browse.



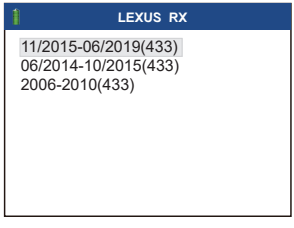

**MAIN MENU:**
Use the arrow keys to browse function, press the "OK" key to select.



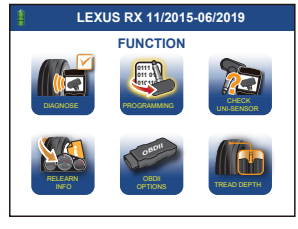

**MAKER selection:**
Use the arrow keys to browse automakers, press the "OK" key to select.




**MODEL selection:**
Use the arrow keys to browse model, press the "OK" key to select.

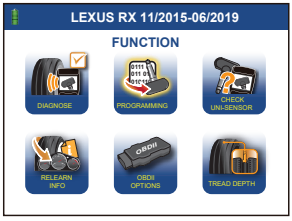



**YEAR selection:**
Use the arrow keys to browse year, press the "OK" key to select.



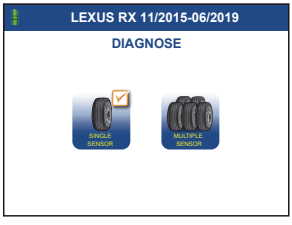

**FUNCTION selection.**
This is the FUNCTION Menu. Use the arrow keys to browse functions, then press the "OK" key to select any. For example, select the DIAGNOSE function.

## 2.1.1 DIAGNOSE

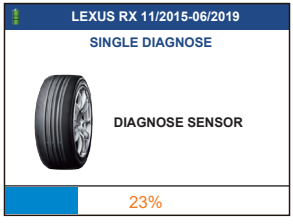



In the FUNCTION Menu, select DIAGNOSE and press the "OK" key to enter.

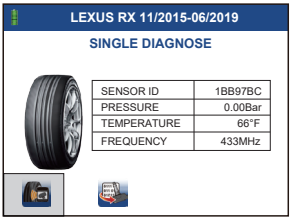
## 2.1.1.1 Diagnose SINGLE SENSOR




Use the arrow keys to select SINGLE SENSOR and press the "OK" key to enter.



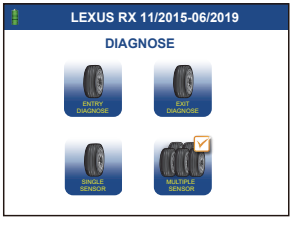

The i-sensor® pro will now activate the sensor. The sensor response time may vary depending on its type and brand.



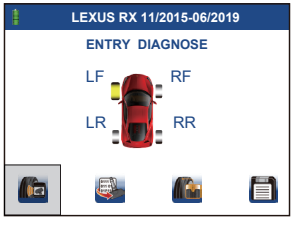

The picture above is an example of sensor data communication result.

**Note:** The i-sensor® pro will identify the sensor information that is transmitted. Not all sensors transmit every piece of information shown in the above example, while others may display additional data.

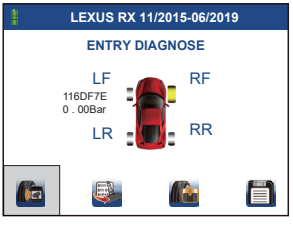
## 2.1.1.2 Diagnose MULTIPLE SENSOR / ENTRY DIAGNOSE / EXIT DIAGNOSE




Use the arrow keys to browse MULTIPLE SENSORS, ENTRY DIAGNOSE or EXIT DIAGNOSE, press ok to select

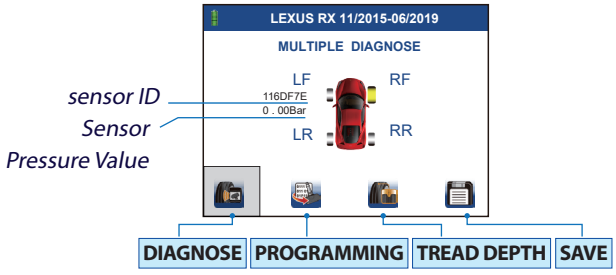



With the DIAGNOSE icon selected in the menu underneath, press the "OK" key to diagnose.




After retrieving data from the sensor, the wheel indicator will automatically move to the next wheel. Press the "OK" key to diagnose. Use the same procedure for the other wheels.

The picture below is an example of sensor data communication result.



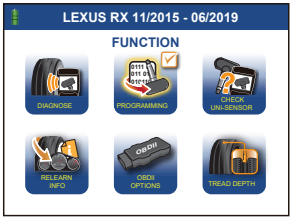

**DIAGNOSE:** To diagnose sensor information.

**PROGRAMMING :** A shortcut to the PROGRAMMING MENU.

**TREAD DEPTH:** To process the TREAD DEPTH function.

**SAVE:** To save the existing data to the SAVED VEHICLES menu.

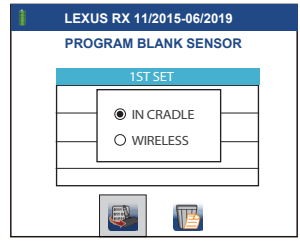
## 2.1.2 PROGRAMMING



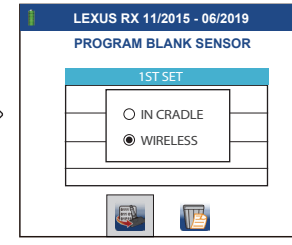

In the FUNCTION Menu, select PROGRAMMING and then press the "OK" key to enter.

## 2.1.2.1 NEW SENSOR


Select NEW SENSOR. Press the "OK" key to enter.




Select the programming mode with the arrow keys (see description below), then press the "OK" key to program.




Use the arrow keys to browse WIRELESS (as example). Press the "OK" key to program.

HINT:
IN CRADLE: Indicates programming by wire (i-sensor® must be placed inside cradle).
WIRELESS: Indicates programming by wireless (Wireless i-sensor® must be within programming range from the tool).

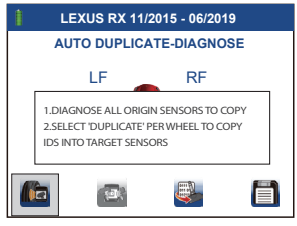
Note: Make sure there are no other Wireless i-sensors within 1 m from the tool when you use wireless programming; otherwise, the programming will fail.

PROGRAMMING blank sensor. When selected and pressing the "OK" key, it will automatically program the next available i-sensor® in the same way (in cradle/wireless) as previously selected.

DELETE ALL: Delete all the existing data of all the previously programmed i-sensors.

## 2.1.2.2 AUTO DUPLICATE


Select AUTO DUPLICATE, then press the "OK" key to enter.




An instruction message will be displayed during 4 seconds, then it will automatically disappear.

**DIAGNOSE:** If there is no existing data, diagnose all the sensors that you wish to duplicate at the beginning.

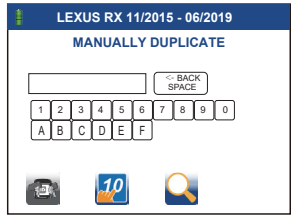
**DUPLICATE:** Will be enabled when at least one sensor is diagnosed. Select it and press "OK" to first select the programming mode (in cradle/wireless) and to then duplicate all previously diagnosed sensors one by one.

**PROGRAMMING:** A shortcut to the Programming menu.

**SAVE:** To save the existing data to the SAVED VEHICLES menu.

## 2.1.2.3 MANUALLY DUPLICATE


Select MANUALLY DUPLICATE, then press the "OK" key to enter.




Please first check if the OE Sensor ID is Hexadecimal (0~9+A~F) or Decimal (0~9) to select the correct mode in MANUALLY DUPLICATE.
Use the arrow keys to navigate through characters. Press the "OK" key at each character to enter the ID, then select DUPLICATE and press the "OK" key.

**Note:** The DUPLICATE and PROGRAMMING functions will only work with the i-sensor® pro tool and i-sensor blanks.

**DUPLICATE:** To duplicate a manually keyed in ID to an i-sensor® (will be enabled after keying in the first character).

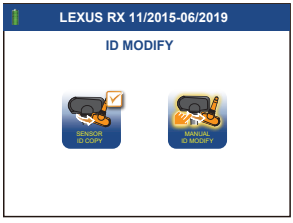
**CHANGE TO DEC/HEX:** To change between hexadecimal and decimal ID formats (enabled at the beginning; becomes disabled once the first character is keyed in).

**ID VIEW:** To see the ID and OE Part Number location on the OE sensor.

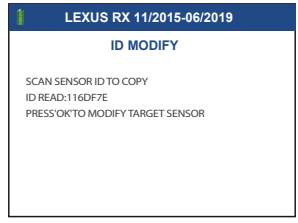
## 2.1.2.4 ID MODIFY


Select ID MODIFY, then press the "OK" key to enter.

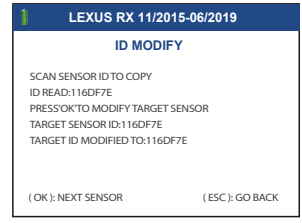
## 2.1.2.4.1 SENSOR ID COPY




Select SENSOR ID COPY, then press the "OK" key to enter.

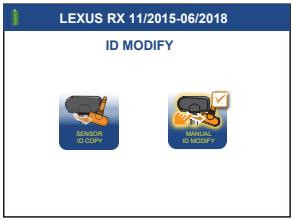



The function immediately starts scanning for a source sensor whose ID will be copied.

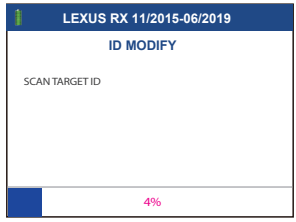



After the source ID is detected, press the "OK" key to copy the ID into the target sensor.

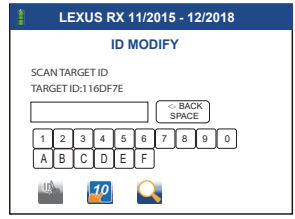
## 2.1.2.4.2 MANUAL ID MODIFY




Select MANUAL ID MODIFY, then press the "OK" key to enter.




The function immediately starts scanning for a source sensor whose ID will be copied.

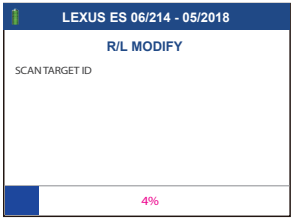



After the source ID is detected, key in the new ID by means of the keyboard, then select MODIFY and press the "OK" key.

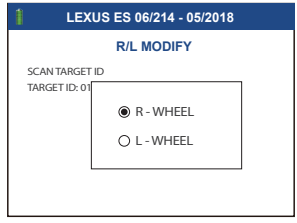
## 2.1.2.5 L<->R


Select L<-> R, then press the "OK" key to enter.

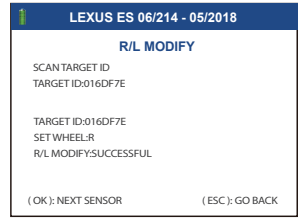
**Note:** This function to program wheel sides only applies when using Wire Sensors for certain vehicles that use Tyre Auto Locate technology.



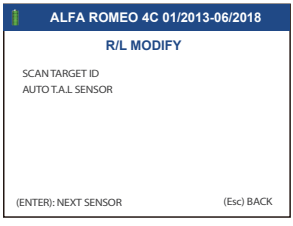

The function immediately starts scanning for a source sensor whose side will be changed.




Once the source sensor ID is detected, select the side (right or left) to program to, and press the "OK" key.



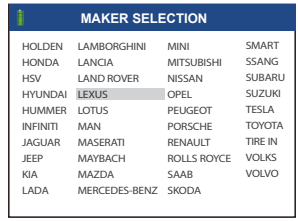

The above message confirms the successful side programming as per selection.




If a Wireless Sensor is detected, the message above is displayed. Press the "ESC" key to go back.

## 2.1.2.6 BACK TO MAKER MENU

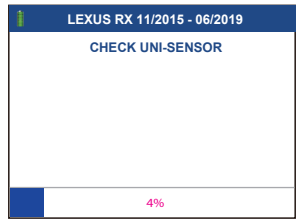

Select BACK TO MAKER MENU, then press the "OK" key to enter.



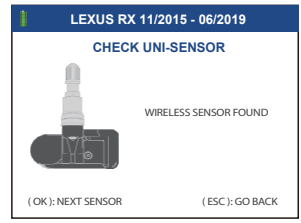

You will be taken back to the MAKER SELECTION Menu.

## 2.1.3 CHECK UNI-SENSOR


In the FUNCTION Menu, select CHECK UNI-SENSOR and then press the "OK" key to enter.



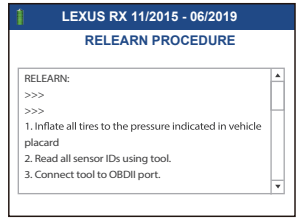

The function immediately starts scanning for an i-sensor®.




Once detected, the screen above is displayed. Press the "OK" key to scan the next sensor, or "ESC" to go back.

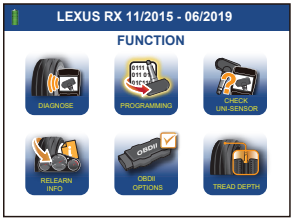
## 2.1.4 RELEARN INFO


In the FUNCTION Menu, select RELEARN INFO. and then press the "OK" key to enter.



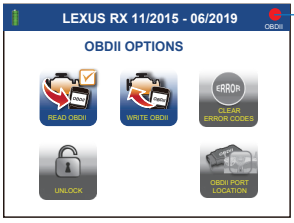

All known relearn types for that vehicle will be displayed. Use the "UP" and "DOWN" arrow keys to scroll.

## 2.1.5 OBD II OPTIONS




In the FUNCTION Menu, select OBDII OPTIONS and then press the "OK" key to enter.

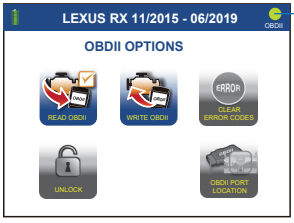
## (BT OBDII Module/ OBDII Cable disconnected)




Note:

The red indicator at the upper right corner of the screen denotes that there is no connection between the tool and the vehicle's OBDII port via the Bluetooth OBDII Module or the OBDII cable.

## (BT OBDII Module/ OBDII Cable connected)

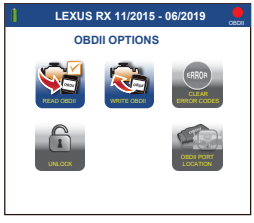



Note:

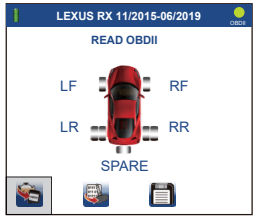
The green indicator denotes that there is connection between the tool and the vehicle's OBDII port via the Bluetooth OBDII Module or the OBDII cable.
Important: The Bluetooth OBDII Module requires previous pairing with the tool for it to connect to the OBDII port; for more information, refer to section 2.3.11.

Note: If the i-sensor® pro tool has connected to the OBDII port (green indicator) but you exit the menu OBDII OPTIONS and go back to it, it will take 5-10 seconds for the tool to check and re-establish OBDII connection.

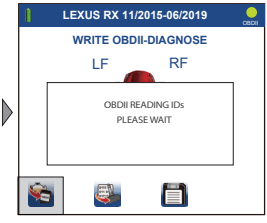
### 2.1.5.1 READ ID



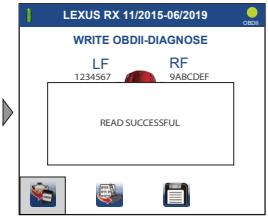

Select READ OBDII and then press the "OK" key to enter.




With the READ OBDII icon selected, press the "OK" key to execute (see notes).




Wait for the function to be completed.

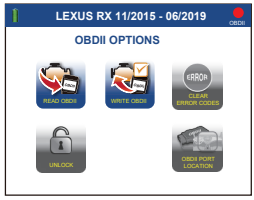



When completed, the above message is displayed.

Note: If you enter the READ OBDII function without connecting the BT OBDII Module/OBDII Cable to the vehicle's OBDII port and turning on the vehicle's ACC, the message "CONNECT OBDII MODULE TO VEHICLE'S OBDII PORT" will be displayed on the tool screen to remind you to do so.

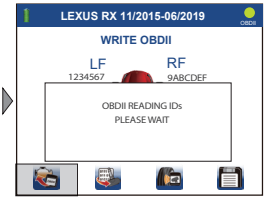
Note: If you are using the BT OBDII Module, please make sure you have previously paired it to the tool **(please see section 2.3.11)**

## 2.1.5.2 WRITE ID

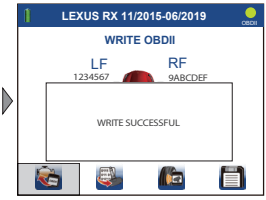



Select WRITE OBDII and then press the "OK" key to enter.


Use the arrow keys to select the WRITE OBDII icon (see notes below), then press the "OK" key to execute.




Wait for the function to be completed.

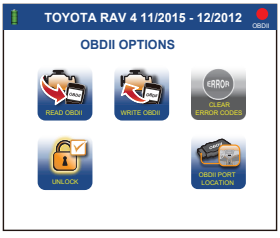



When completed, the above message is displayed.

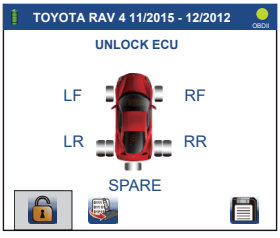
**Note:** By means of the icon DIAGNOSE located in the lower menu, you can first diagnose all the vehicle's tyres in order to then do WRITE OBDII

**Note:** The icon WRITE OBDII in the lower menu will only be enabled once you have previously either diagnosed at least four IDs or read out the IDs stored in the vehicle's ECU via the READ OBDII function.

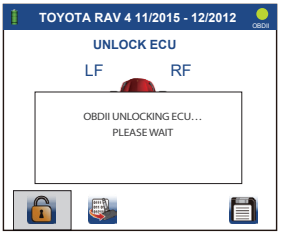
## 2.1.5.3 UNLOCK ECU




Select UNLOCK, press the "OK" key to enter.



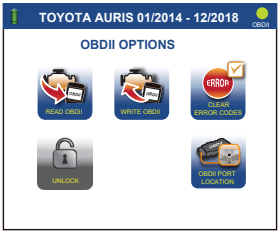

With the UNLOCK ECU icon selected, press the "OK" key.



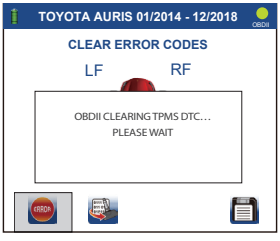

Wait for the function to be completed.

**Note:** This function only applies to certain vehicles.

## 2.1.5.4 CLEAR TPMS DTC ERROR CODES



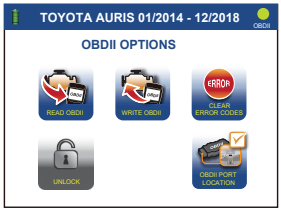

Select CLEAR ERROR CODES, press the "OK" key to enter.



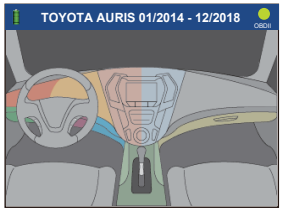

Select CLEAR ERROR CODES, press the "OK" key.

**Note:** This function only applies to certain vehicles.

## 2.1.5.5 OBD II PORT LOCATION




Select OBDII PORT LOCATION, press the "OK"key to enter.

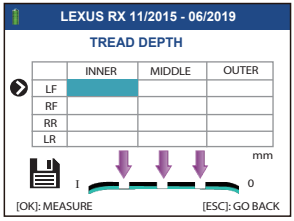



An indicator will display the OBDII port location.

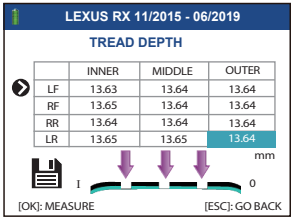
## 2.1.6 TREAD DEPTH

Warning: Do not place the tread depth measuring device anywhere near your eyes, as accidental actuation may cause visual impairment.


In the FUNCTION Menu, select TREAD DEPTH and then press the "OK" key.




Place the tool with the tread depth device in line with the tread at each location (inner, middle & outer) at each tire, then press the "OK" key.

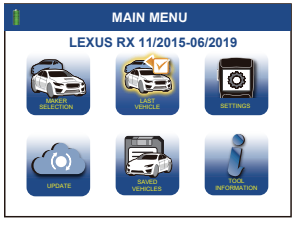



You may retake a measurement at any position at any time by simply selecting it in the matrix, then pressing the "OK" key.

**SAVE: To save TREAD DEPTH measurements.**

## 2.2 LAST VEHICLE

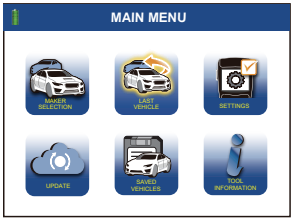
This function is a shortcut to the last picked Maker Model Year(henceforth called MMY). Select it and the MMY will be displayed above the icon. Press the "OK" key to enter its function menu.





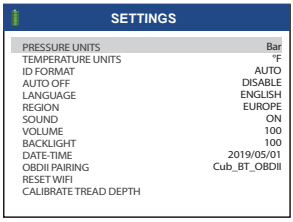
( LEXUS RX 11/2015-06/2019)

## 2.3 SETTINGS

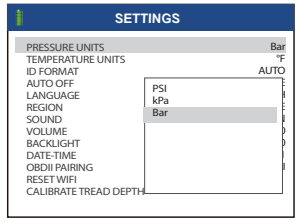



In the MAIN MENU, select SETTINGS and then press the "OK" key to enter.

## 2.3.1 PRESSURE UNIT

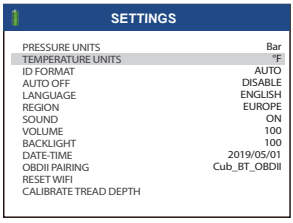



Press the "OK" key to select.

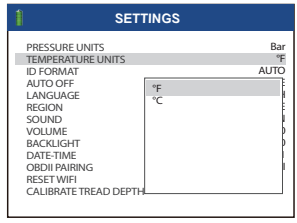



Use the arrow keys to browse units, press the "OK" key to select.

## 2.3.2 TEMPERATURE UNIT

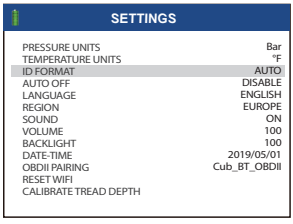



Press the "OK" key to select.

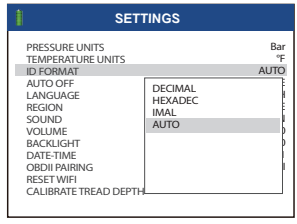



Use the arrow keys to browse units, press the "OK" key to select.

## 2.3.3 ID FORMAT

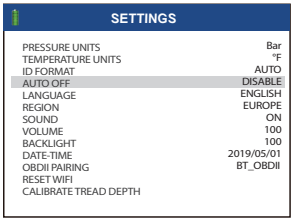



Press the "OK" key to select.

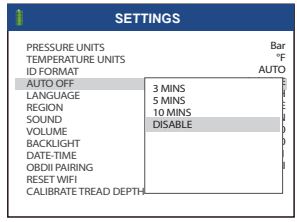



Use the arrow keys to browse formats, press the "OK" key to select.

## 2.3.4 AUTO OFF

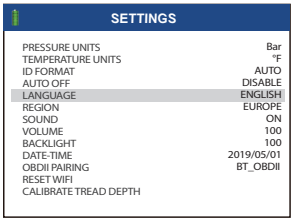



Press the "OK" key to select.

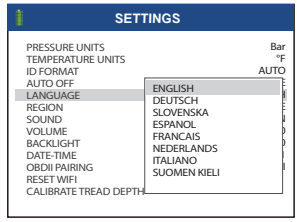



Use the arrow keys
to browse options, press the "OK"
key to select.

## 2.3.5 LANGUAGE

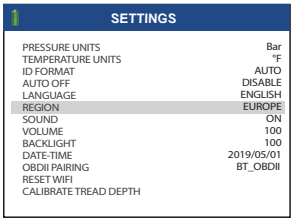



Press the "OK" key to select.

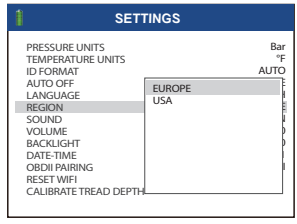



Use the arrow keys
to browse languages, press the
"OK" key to select.

## 2.3.6 REGION

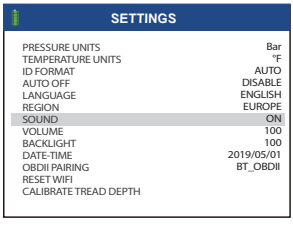



Press the "OK" key to select.

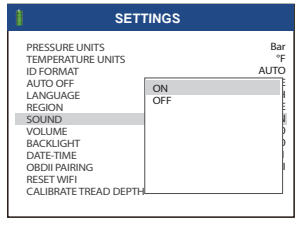



Use the arrow keys
to browse regions, press the "OK"
key to select.

## 2.3.7 SOUND

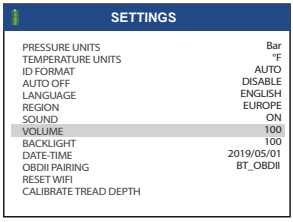



Press the "OK" key to select.

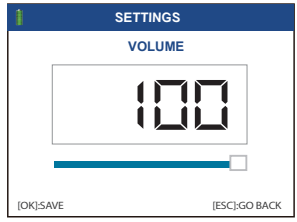



Use the arrow keys
to browse options, press the "OK"
key to select.

## 2.3.8 VOLUME

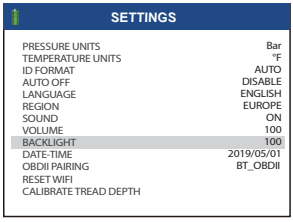



Press the "OK" key to select.

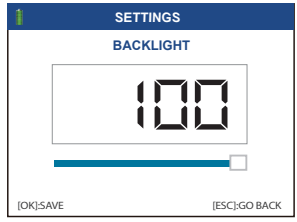



Use the arrow keys to adjust the desired volume level, press the "OK" key to save.

## 2.3.9 BACKLIGHT

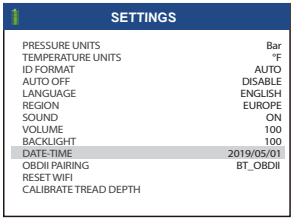



Press the "OK" key to select.

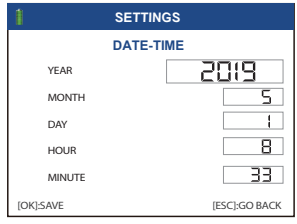



Use the arrow keys to adjust the desired backlight level, then press "OK" to save.

## 2.3.10 DATE-TIME

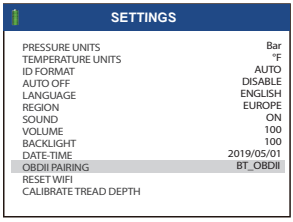



Press the "OK" key to select.

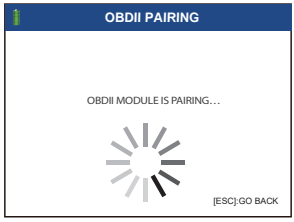



Use the arrow keys to adjust the date and time, then press "OK" to save.

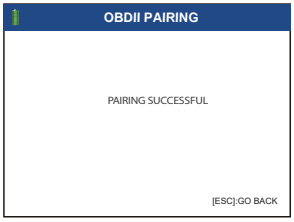
## 2.3.11 OBD II PAIRING




Connect the BT OBDII Module to the OBDII port of the vehicle, then turn ACC on (engine off). In the i-sensor® pro tool under Settings, select OBDII PAIRING and then press the "OK" key to enter.



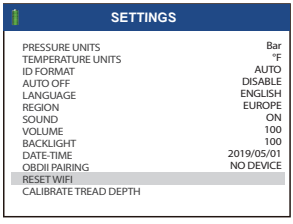

The pairing process begins immediately; it may take several seconds.



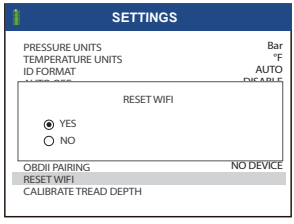

Once the paring is completed, the above message is displayed.

## 2.3.12 RESET WIFI

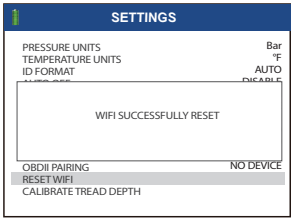
If you already keyed in a password for WIFI and want to change to another WIFI router, use this function to reset it. Afterward, you may select a new WIFI router when updating the tool via WIFI (refer to Section 2.4.2).




Press the "OK" key to select.



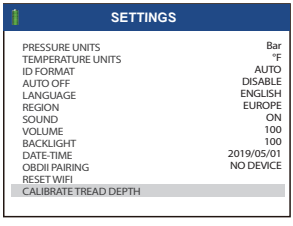

Press the "OK" key to select.




When completed, the message above is displayed; press "ESC" to exit.

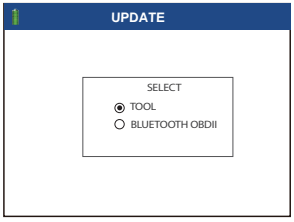
## 2.3.13 CALIBRATE TREAD DEPTH

**The function is to calibrate the Tread Depth Module.**

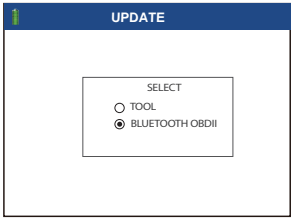


## 2.4 UPDATE


In the MAIN MENU, select UPDATE and then press the "OK" key to enter. You will have two options.



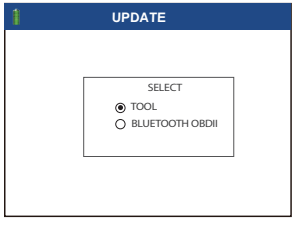

Select this option to update the tool.



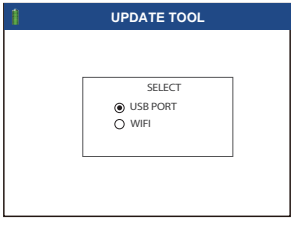

Select this option to update the BT OBDII Module.
(Make sure the BT OBDII Module is connected to the vehicle's OBDII port and the ACC is on (engine off)).

### 2.4.1 TOOL WIRE UPDATE by PC software

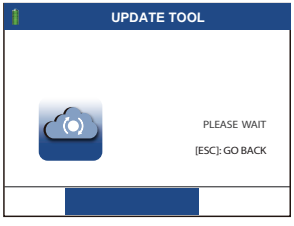
1. Choose the UPDATE function in the tool.




Use the arrow keys to select TOOL. Press the "OK" key to enter.

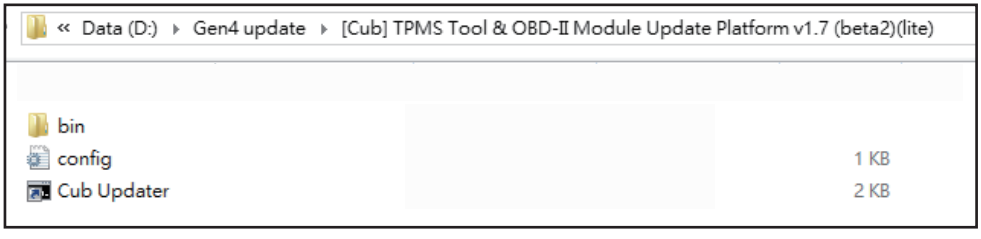



Select USB PORT, press the "OK" key to enter.

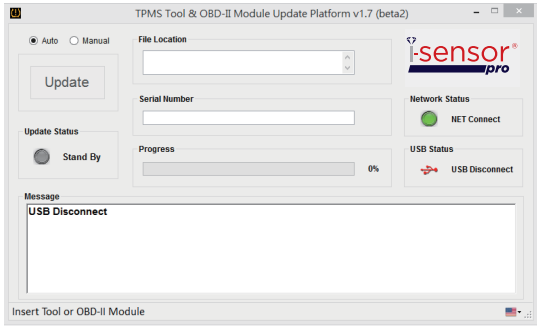



Wait while the Update File is transferred from the Update Platform to the tool.

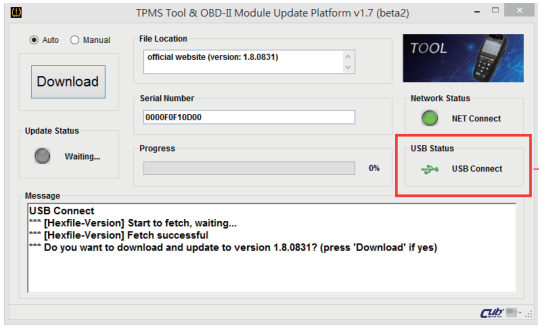
2. Extract the file TPMS Tool & OBD-II Module Update Platform v1.7or later version.



3. Double click on the file i-sensor® Updater.exe to execute it.



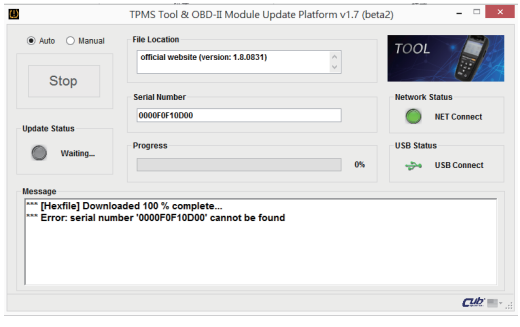

4. Connect a micro USB cable to the tool and the PC USB port.



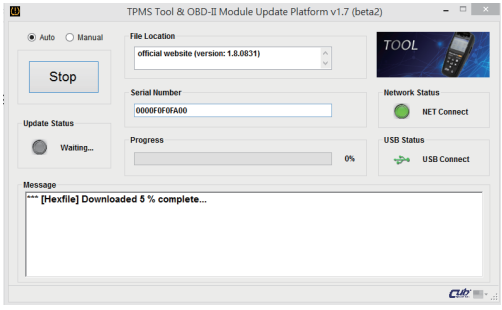

Indicator of USB connection

5. Click on "Download" for an automatic update.

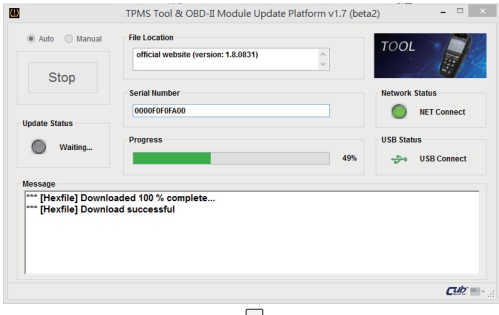
5.1 If the Serial Number is invalid, you will see the error message "Serial number cannot be found". Please contact your distributor/dealer.



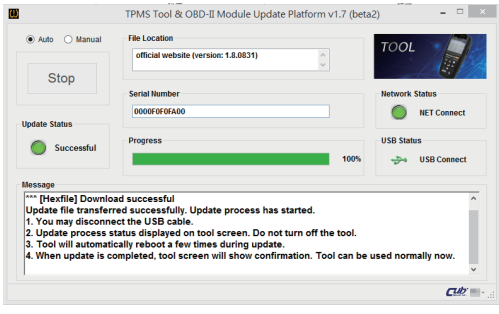
5.2 If the Serial Number is valid:



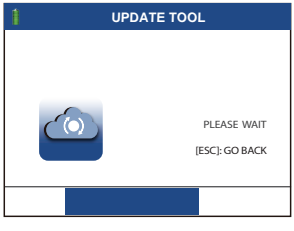

The update file will start being downloaded from the server.




It will be transferred to the tool.



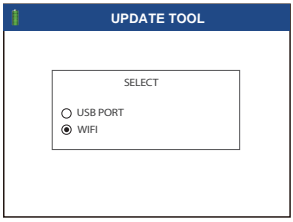

Once the update file is successfully transferred to the tool, you may disconnect the USB cable. Wait while the tool is updated.



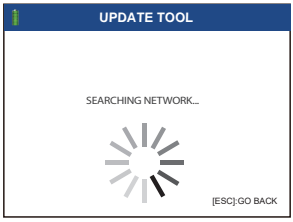



The tool will reboot several times and the MAIN MENU will be displayed once the update is completed.

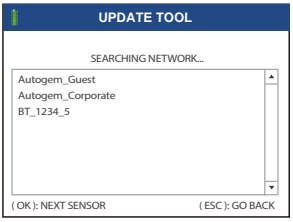
## 2.4.2 TOOL WIFI UPDATE



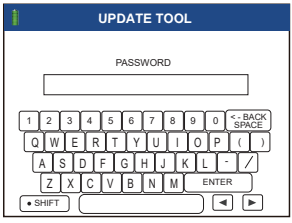

Use the arrow keys to select WIFI and press "OK".



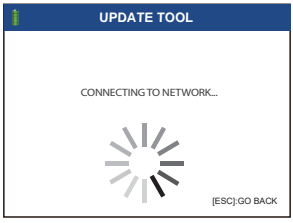

Wait while the tool searches for available WIFI networks.



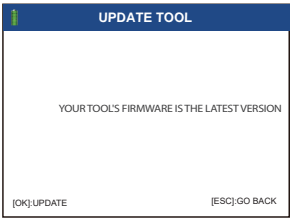

Select a network.




Use the arrow keys to navigate through characters and numbers, press "OK" at each of them to select. Select the SHIFT button on the keyboard, then press "OK" to toggle between upper & lower case letters. Select ENTER and press "OK" once you have completed keying in the password.

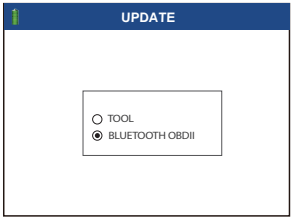



Wait while the tool connects to the network.

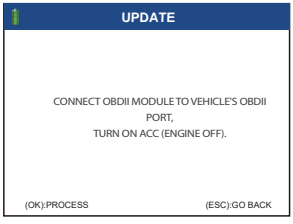



Once connected to the WIFI network, the tool screen will notify you if your current Firmware version is the latest one or if there is an update available.

## 2.4.3 BT OBD II Module UPDATE via TOOL




Use the arrow keys to select BLUETOOTH OBDII and press "OK".




Press "OK" to process.

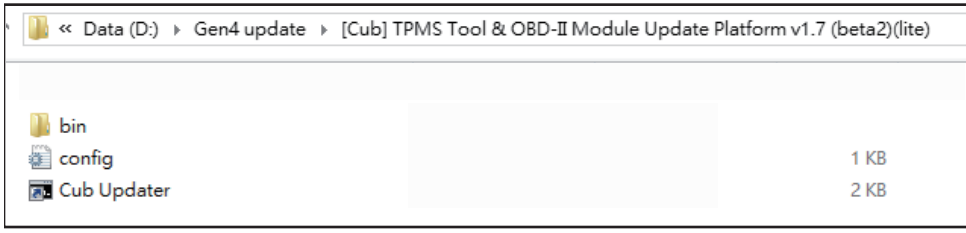
**Note:** To update the BT OBDII Module via the tool, the Module needs to be connected to a power source. For this, plug it into any vehicle's OBDII port and turn on the ACC (engine off).


Wait while the BT OBDII Module is updated. This screen will be displayed in the process.

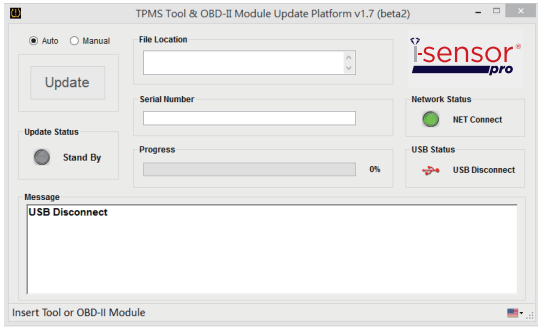

The tool will reboot when the update is completed and then the MAIN MENU will be displayed.

## 2.4.4 BT OBD II Module UPDATE via PC software

1. Extract the file TPMS Tool & OBD-II Module Update Platform v1.7or later version.

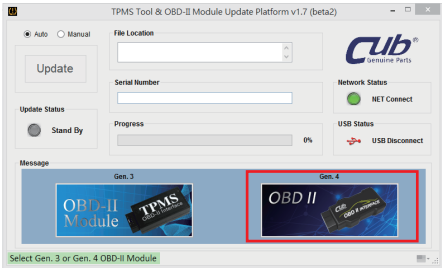


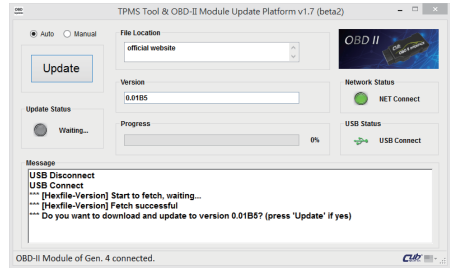

2. Execute i-sensor® Updater.exe.



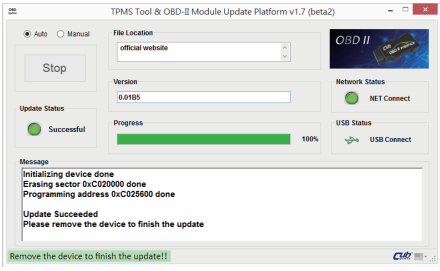

3. Connect a micro USB cable to the BT OBDII Module the PC USB port.

4. Click on the BT OBDII Module image, then click on Update. The process will take a few seconds.



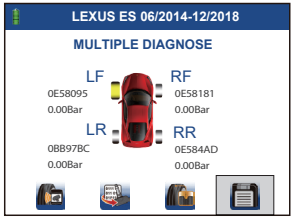




5. Once the update is completed, you may disconnect the USB cable.

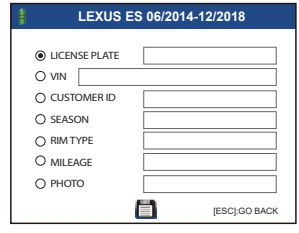


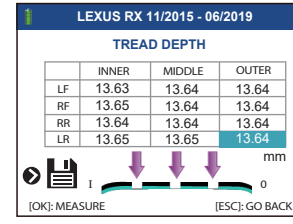

## 2.5 SAVED VEHICLES

### 2.5.1 How to process “SAVE DATA”?




At the MULTIPLE DIAGNOSE function, use the arrow keys to select the SAVE icon and then press "OK".

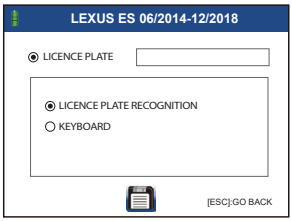



At the TREAD DEPTH function, use the arrow keys to select the SAVE icon and press "OK".

## 2.5.1.1 LICENCE PLATE

**a. LICENCE PLATE RECOGNITION: Use the camera to detect a licence plate.**

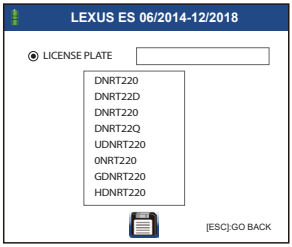



Select LICENCE PLATE RECOGNITION and press "OK".

Read instructions and press "OK".

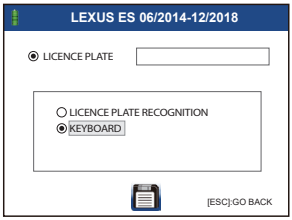

Once in the camera mode, press the "HOME" key to focus. The camera screen will show a dashed box, point it at the licence plate and make sure it fully encloses the number.


Press "OK". The dashed line will turn solid. Wait a few seconds and try not to move the tool.

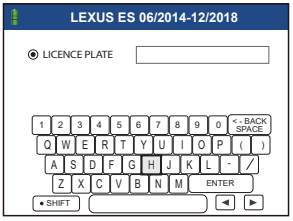



A list of possible licence plate numbers will be shown in the LICENCE PLATE input field, use the arrow keys to select the correct one and press "OK".

**b. KEYBOARD: Use the keyboard to input licence plate.**



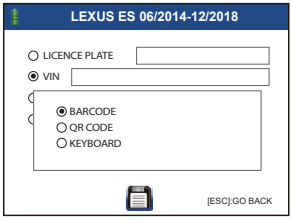

Select KEYBOARD and press "OK".




Use the arrow keys to key in the licence plate, then select ENTER and press "OK".

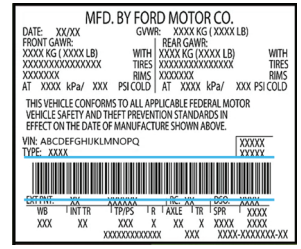
## 2.5.1.2 VIN

**A. BARCODE: Use the camera to scan a barcode.**

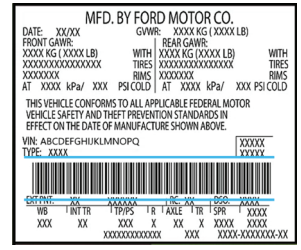



Select BARCODE and press "OK".

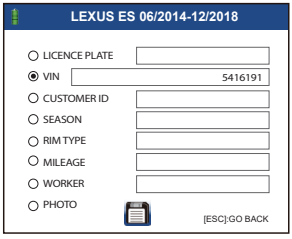
Read instructions and press "OK".




Once in the camera mode, point the camera at the barcode.

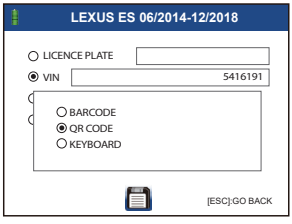



Ensure the horizontal lines fully enclose the barcode. Press the "HOME" key to focus and take the barcode.



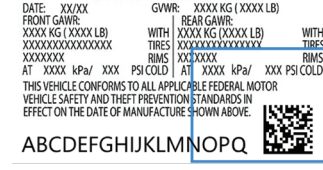

Once recognised, the barcode will automatically appear in the VIN input field.

**B. QR CODE: Use the camera to scan the QR CODE.**

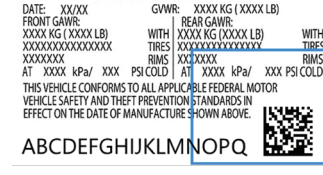



Select QR CODE and press "OK".

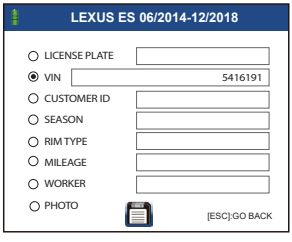
Read instructions and press "OK".




Once in the camera mode, point the camera at the QR code.

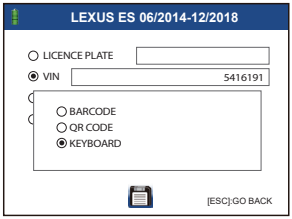



Ensure the QR code is fully within the horizontal lines. Press the "HOME" key to focus and take the QR code.

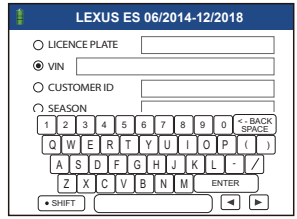



Once recognised, the code will automatically appear in the VIN input field.

**C. KEYBOARD: Use the keyboard to input the VIN.**

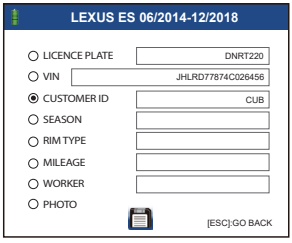



Select KEYBOARD and press "OK".

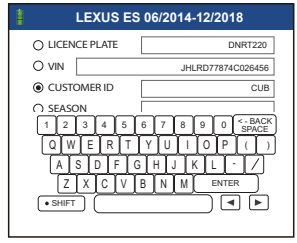



Use the arrow keys to key in the VIN, then select ENTER and press "OK".

## 2.5.1.3 CUSTOMER ID

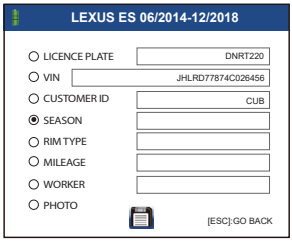



Select CUSTOMER ID and press "OK".

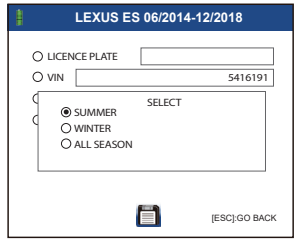



Use the arrow keys to key in name or number, then select ENTER and press "OK". Press "ESC" to exit.

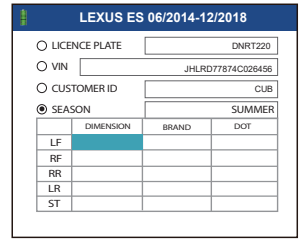
## 2.5.1.4 SEASON




Select SEASON and press "OK".

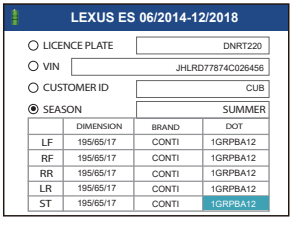



Select the seasonal tire type and press "OK".



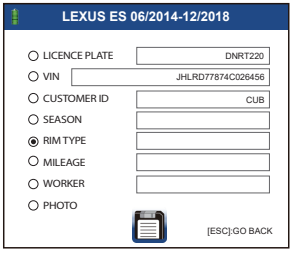

Use the arrow keys to navigate through three categories:
- Dimension, loading index & speed rating
- Manufacturer
- DOT/TIN

And press "OK" at any category and tire position to enable the keyboard and key in information. Then select ENTER on the keyboard and press "OK".
Note: filling in information in this part is optional.

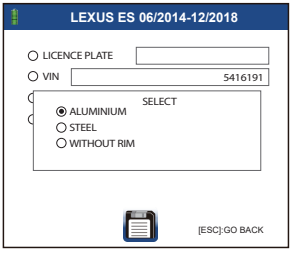



Once all information has been keyed in, you will be able to visualise it on the matrix. Press "ESC" to go back to the previous menu.

## 2.5.1.5 RIM TYPE

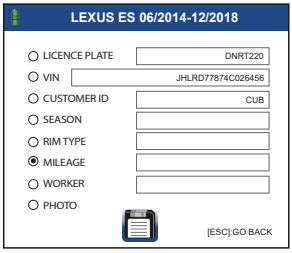



Select RIM TYPE and press "OK".

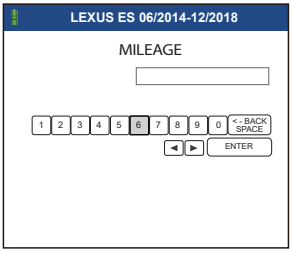



Select option and press "OK".

## 2.5.1.6 MILEAGE



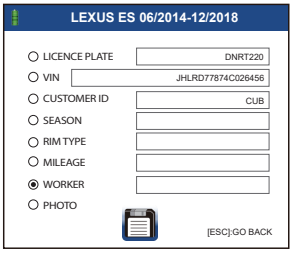

Select MILEAGE and press "OK".



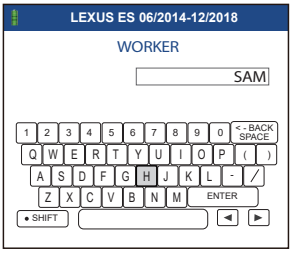

Key in mileage, select Enter and press "OK".

## 2.5.1.7 WORKER

Input the worker's name.



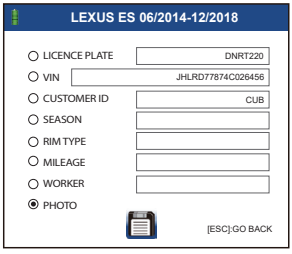

Select WORKER and press "OK".



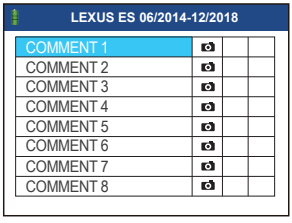

Key in worker, select Enter and press "OK".

## 2.5.1.8 PHOTO

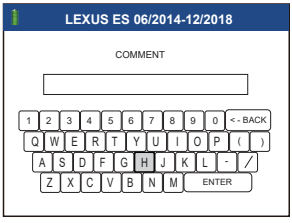
Capture photos of rims or tyres. You have the option to store up to 8 pictures per save data file



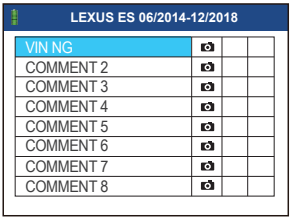

Select PHOTO and press "OK".



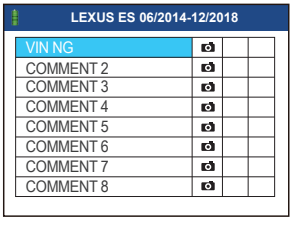

If you wish to insert a brief description or name for the photo you will take, select the respective COMMENT field and press "OK".




The keyboard will be shown. Use the arrow keys to key in information, then select ENTER on the keyboard and press "OK".

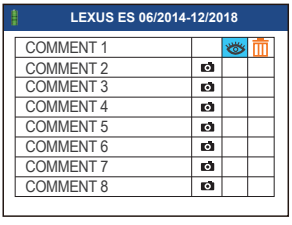



The keyed in information is shown at the selected field.

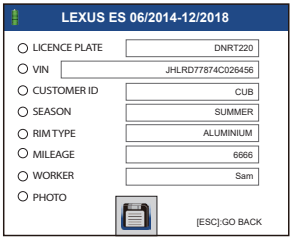



Use the arrow keys key to select the camera icon, then press "OK".

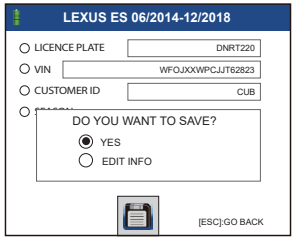

Once in the camera mode, press the "UP" arrow key to activate or deactivate the camera light. Press the "HOME" key to focus. Press "OK" to take the photo, and press "ESC" key to go back to previous menu.



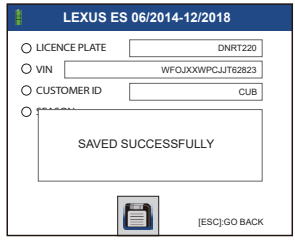

After a photo is taken, at the previous menu, select the eye icon and press "OK" to visualize the photo, or select the trash bin icon to delete it. If you delete it, you may retake it by selecting the camera icon again. When finished, press the "ESC" key to go back to the previous page.




Use the arrow keys to select the SAVE icon, press the "OK" key.

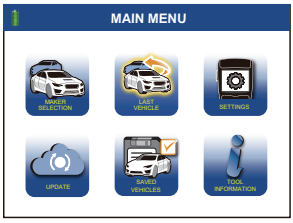



Select YES if you wish to save data, or EDIT INFO to modify.

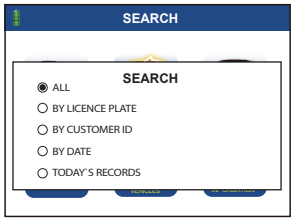



The message above confirms the data input was saved successfully. You may now view it under SAVED VEHICLES.

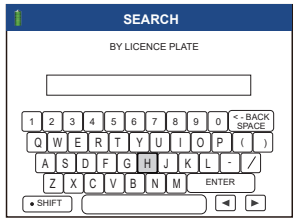
## 2.5.2 Check SAVED VEHICLES



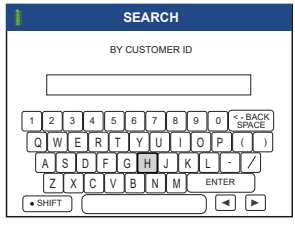

In the MAIN MENU, select SAVED VEHICLES and then press the "OK" key to enter.



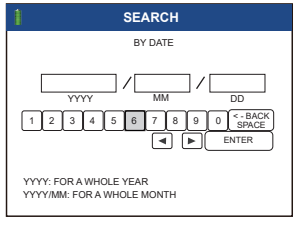

You can search the data according to the options.
Select ALL to display all records.
Select TODAY'S RECORDS to show results for that day.



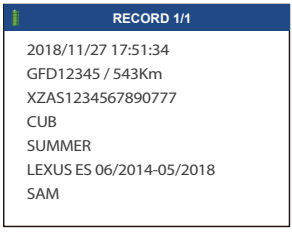

Search BY LICENCE PLATE.



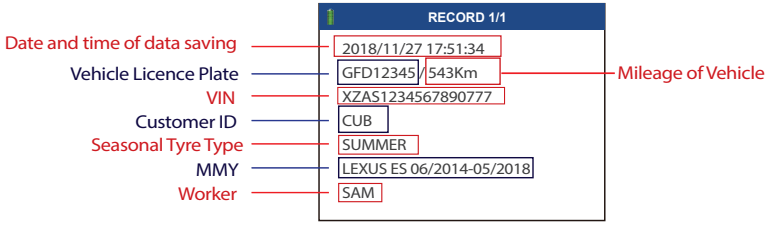

Search BY CUSTOMER ID.

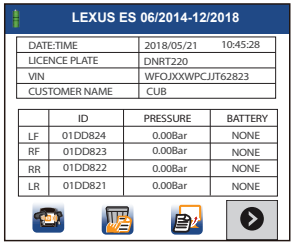



Search BY DATE. Key in the date in the required format, then select ENTER and press "OK". You may search a specific date, a whole year or a whole month.

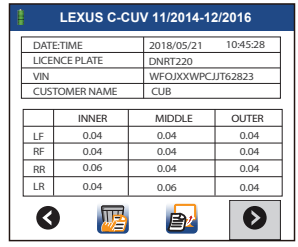



A list of all saved vehicles will be displayed. Use the arrow keys to select a saved vehicle, press "OK" key to enter any item for visualization.

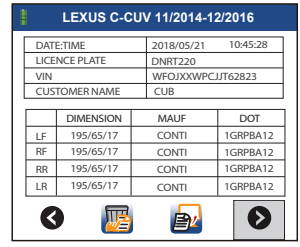


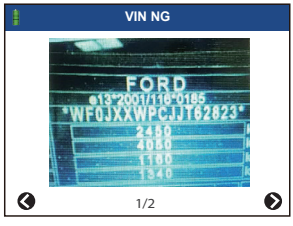

The first page shows TPMS-related data. Use the arrow keys to select the NEXT PAGE icon in the menu underneath to see the next page.




The second page shows Tread Depth- related data. Use the arrow keys to select the NEXT PAGE or PREVIOUS PAGE icons in the menu underneath.




The third and fourth pages show Tyre properties- related data. Use the arrow keys to select the NEXT PAGE or PREVIOUS PAGE icons in the menu underneath.




From the fifth page onward, you will see all saved photos for the respective saving item. Use the arrow keys to select the NEXT PAGE or PREVIOUS PAGE icons in the menu underneath.


At the last page, use the arrow keys to select PREVIOUS PAGE to navigate back.

AUTO-DUPLICATE: To export TPMS IDs to the AUTO DUPLICATE function.

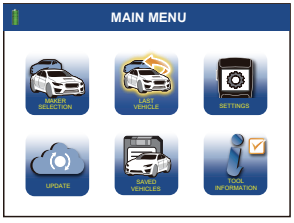
DELETE SELECTED: To delete all data of the currently selected saved vehicle.

IDTOPC: To export to IDtoPC(TIM) Software.

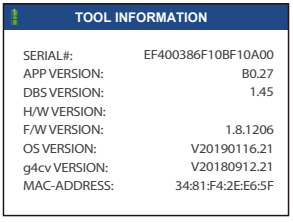
NEXT PAGE: To see the next page of saved data.

PREVIOUS PAGE: To see the previous page of saved data.

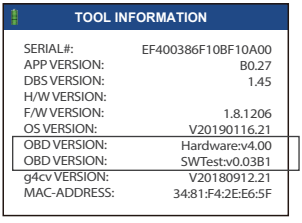
## 2.6 TOOL INFORMATION




In the MAIN MENU, select TOOL INFORMATION and press the "OK" key to enter.




The tool information is displayed:
SERIAL#: Tool Serial Number
APP VERSION: User Interface version
DBS VERSION: Coverage version
H/W – Hardware
F/W – Firmware
OS – Operating System
g4cv version: Camera software
MAC ADDRESS: Paired BT OBDII Module MAC address.




To see the OBD VERSION data, establish OBDII connection between the tool and the OBDII port of any vehicle, make sure the OBDII Indicator turns green (see section 2.1.5), then go to TOOL INFORMATION and the details will be shown.

# 3. Warranty

Autogem products are guaranteed from material defects for 1 year after the date of purchase. If the product fails under normal circumstances within the first year, Autogem will repair or replace the product. The product will not be replaced or repaired if damaged from misuse or incorrect application. To obtain repair or replacement of the product in warranty, contact a local distributor. A proof of purchase & date of purchase is required to validate the warranty claim.

Autogem is not liable for any direct or consequential loss or property damage arising from the use of product.

Warning: Only use Autogem i-sensor® replacement parts. Using other brands will not allow the system to work and will void the warranty

## Caution

Read these simple guidelines. Not following them may be dangerous or illegal. Read the complete user guide for further information.

SWITCH ON SAFELY
Do not switch the device on when wireless use is prohibited or when it may cause interference or danger.

SWITCH OFF WHEN REFUELLING
Do not use the device at a refueling point. Do not use near fuel or chemicals.

SWITCH OFF NEAR BLASTING
Follow any restrictions. Do not use the device where blasting is in progress.

INTERFERENCE
All wireless devices may be susceptible to interference, which could affect the performance.

USE SENSIBLY
Use only in the normal position as explained in the product documentation. Do not touch the antenna unnecessarily.

CONNECTING TO OTHER DEVICES
When connecting to any other device, read its user guide for detailed safety instructions. Do not connect incompatible products.

WATER•RESISTANCE The device is not water-resistant. Keep it dry.

QUALIFIED SERVICE
Only qualified personnel may install or repair this device.

ENHANCEMENTS AND BATTERIES
Use only approved enhancements and batteries. Do not connect incompatible products. The battery needs to be charged to full for the first usage.

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

**FCC ID : ZPNVS60U029**
**IC ID : 9959A-VS60U029**

## FCC Statement:

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 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.

**15.21**

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

**15.105(b)**

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 of the device.

**SAR FCC RF Radiation Exposure Statement:**

Federal Communication Commission (FCC) Radiation Exposure Statement
This EUT is compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C.

## Canada, Industry Canada (IC) Statement:

The requirement is specified in RSS-GEN Section 5.3. This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003
Cet appareil numérique de classe B est conforme à la norme NMB-003.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the

Le présent appareil est conforme aux CNR d'Industrie Canada applicables auxappareils radio exempts de licence.L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage adioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## SAR IC RF Radiation Exposure Statement:

The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual.

Déclaration d'exposition aux radiations:Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats-Unis et le Canada établies pour un environnement non contrôlé.

## CE Compliance Notice:

All CE marked i-sensor® products are in compliance with the essential requirements and other relevant provisions of Directive 2014/35/EU, 93/68/EEC.

A copy of the Declaration of Conformance will be provided upon request.