Power   Bluetooth   Trigger

GENiUS
Lite TPMS Tool

TPMS Diagnostic Tool
O-Genius Lite

User's Manual

ID COPY Patent Number
1.8031064C3
2.I522602
3.CN101881699B
4.JP5463568

Android: 8 or up
iOS: 12.1 or up

Download on the
App Store

GET IT ON
Google Play

Orange Electronic Co., Ltd.
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Tire Pressure Monitoring System

Federal Communication Commission Interference 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.

FCC Caution

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
(Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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 Label

Model: O Genius Lite Tool
FCC ID : TH9OGL03

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
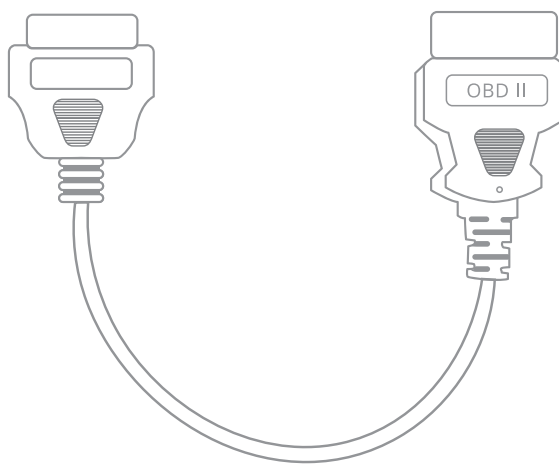(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

Made in Taiwan   Brand Name: Orange Electronic Co., Ltd.

Product and Accessories
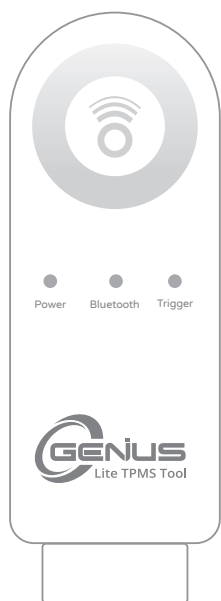
O-Genius Lite

OBD Extension Cable

9V Battery*

*Note: Only use Alkaline batteries or rechargeable batteries in O-Genius Lite tool.

Specifications

Battery Operating Voltage	DC 6V~9.5V		Operating temperature	-10℃ ~ 60 ℃
OBD Operating Voltage	DC 9V ~ 16V		Storage temperature	-20℃ ~ 70℃
Consumption current	＜70mA (6V~9.5V -DC)		Receiving frequency	433.92 MHz ±50kHz 315 MHz ±50kHz

1 Connect to Mobile

1. Use your smartphone to scan below QR code to download the App.

2. Turn on O-Genius Lite
3. Open the app to connect O-Genius Lite
4. Select language , area, Privacy Policy
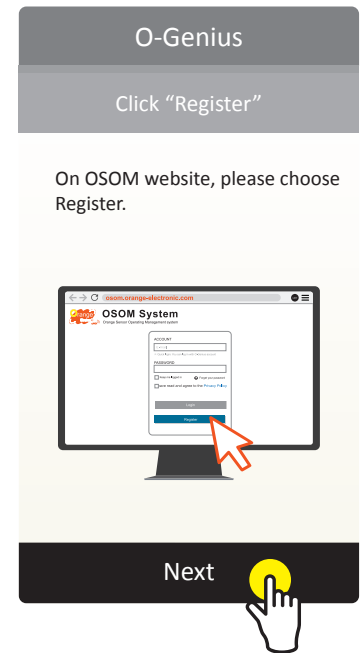5. Connect to WiFi
6. Click "First time login"

O-Genius Lite

Registration

Please use a computer to register and login your tool.

First Time Login

I already have an account
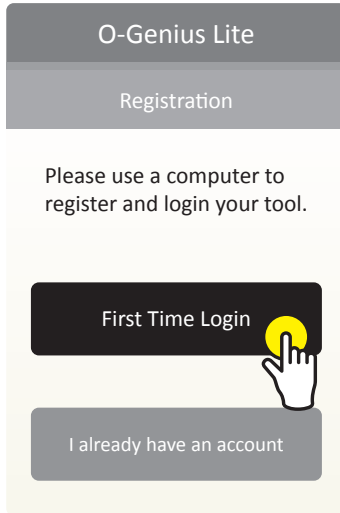
2 Search or enter the OSOM URL

Find a computer with internet access, and enter the following address: osom.orange-electronic.com

O-Genius

Search or enter the OSOM URL

Use a computer which could connect to Internet, visti the OSOM website.

osom.orange-electronic.com

Google

osom.orange-electronic.com

Next

3 Click "Register"

Click the register button on the OSOM website home page.

O-Genius

Click "Register"

On OSOM website, please choose Register.

osom.orange-electronic.com

OSOM System
Orange Sensor Operating Management system

Next

4 Enter registration information

Enter the required information on the signup pages.

O-Genius

Enter registration information

On OSOM Registration page, please complete the registration information.

osom.orange-electronic.com

OSOM System

Registration information

Next
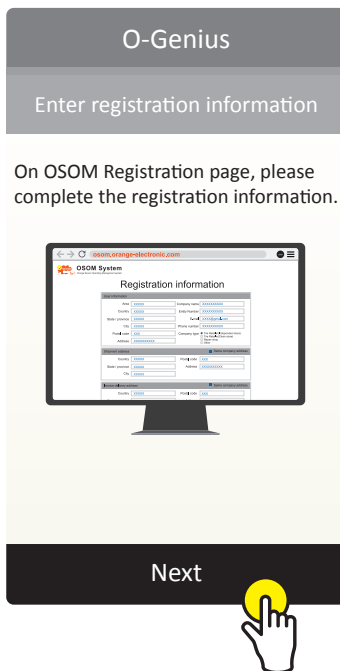
5 Scan login

Please use TOOL to click the scan button and scan a QR Code on your computer screen to log in

O-Genius

Scan login

Use a Tool and press "SCAN" button. Scan the QR code shows on computer screen to login.
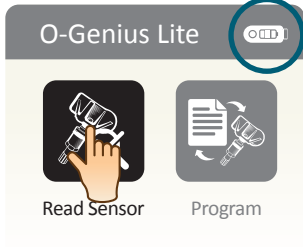
Scan
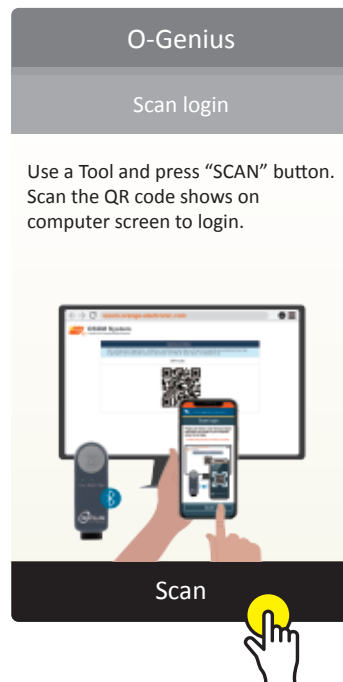
6 Completed

After registration, the account will be bound to the tool serial number. If you forget your account, please contact customer service for assistance.
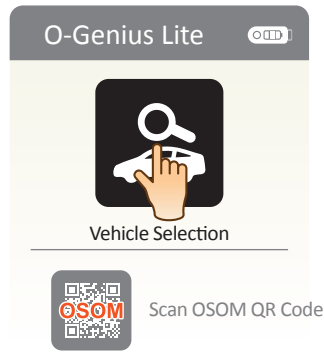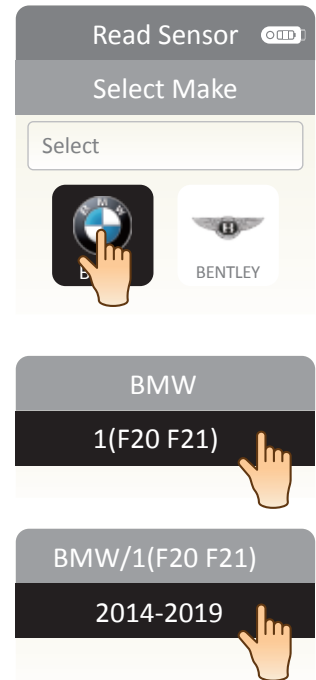
O-Genius (EU)

Read Sensor | Program

ID Copy | OSOM Tire Storage

Retrieve ID | OBD Relearn

1 Select "Read Sensor"

1. This icon means "connecting OG-Lite".
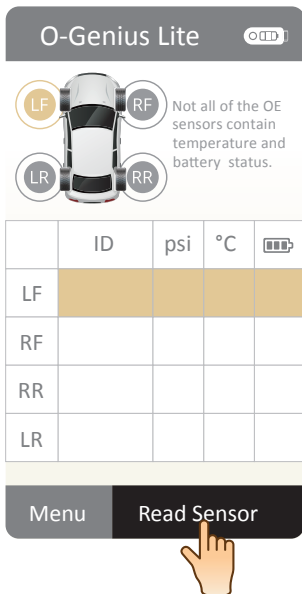2. This icon can show OG-Lite power. (*FAQ 14)

O-Genius Lite

Read Sensor   Program
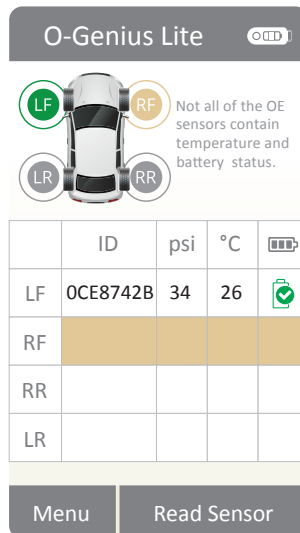
2 Select "Vehicle Selection"

O-Genius Lite

Vehicle Selection

OSOM   Scan OSOM QR Code

3 Select Make, Model, Year

Read Sensor

Select Make

Select

BMW   BENTLEY

BMW

1(F20 F21)

BMW/1(F20 F21)

2014-2019

4 Select "Read Sensor"

O-Genius Lite

LF   RF   Not all of the OE sensors contain temperature and battery status.
LR   RR

	ID	psi	°C	🔋
LF				
RF				
RR				
LR				

Menu   Read Sensor

5 Completed

O-Genius Lite

LF   RF   Not all of the OE sensors contain temperature and battery status.
LR   RR

	ID	psi	°C	🔋
LF	0CE8742B	34	26	✅
RF				
RR				
LR				

Menu   Read Sensor

6

Program

1   Select "Program"

O-Genius Lite

Check Sensor   Program

2   Select "Vehicle Selection"

O-Genius Lite

Vehicle Selection

Scan OSOM QR Code

3   Select Make, Model, Year

Read Sensor

Select Make

Select

BMW   BENTLEY

BMW

1(F20 F21)

BMW/1(F20 F21)

2014-2019

4   Select Sensor Quantity

Program

BMW/1(F20 F21)/2014-2019

Sensor quantity

1 pcs

2 pcs

4 pcs

5   Select "Trigger"

Program

Enter Sensor ID method

Trigger

Scan QR Code

6   Select "Program"

Program

The QR code must under the bar code and close to OG tools.
Keep other sensors 2 meters away.

	ID	psi	°C	🔋
1				
2				
3				
4				

Menu   Program

7   Completed

Program

The QR code must under the bar code and close to OG tools.
Keep other sensors 2 meters away.

	ID	psi	°C	🔋
1	✓ C4E87497	34	26	✓
2	✓ C4E87497	34	26	✓
3	✓ C4E87497	34	26	✓
4	✓ C4E87497	34	26	✓

Program   Relearn Procedure

ID Copy-Single program

1 Select "ID Copy" and "Vehicle Selection"

O-Genius Lite

ID Copy | OBD Relearn

O-Genius Lite

Vehicle Selection

QSOM Scan OSOM QR Code

2 Select Make, Model, Year

Read Sensor

Select Make

Select

BMW | BENTLEY

BMW
1(F20 F21)

BMW/1(F20 F21)
2014-2019

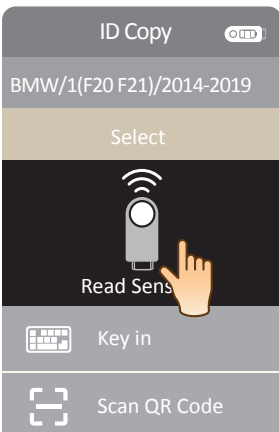## 3 Select "Single-program"

ID Copy

BMW/1(F20 F21)/2014-2019

Single program

Multi-program

4 Three options to read sensor

3 ways to read new sensor.
Use "Read Sensor" as an example.

ID Copy

BMW/1(F20 F21)/2014-2019

Select

Read Sensor

Key in

Scan QR Code

5 Select "Read Sensor"

ID Copy

BMW/1(F20 F21)/2014-2019

Keep other sensors 2 meters away

	original	New	OK
1			

Relearn Procedure | Read Sensor

6 Select "ID Copy"

ID Copy

BMW/1(F20 F21)/2014-2019

Keep other sensors 2 meters away

	original	New	OK
1	C4E87497		

Relearn Procedure | ID Copy

7 Completed

ID Copy

BMW/1(F20 F21)/2014-2019

Keep other sensors 2 meters away

	original	New	OK
LF	C4E87497	C4E87497	✅

Re-Program

Menu | Relearn Procedure
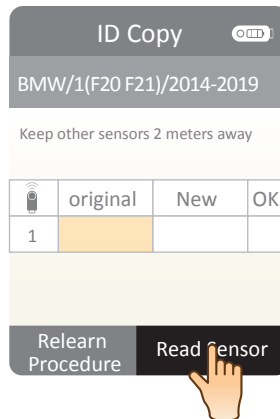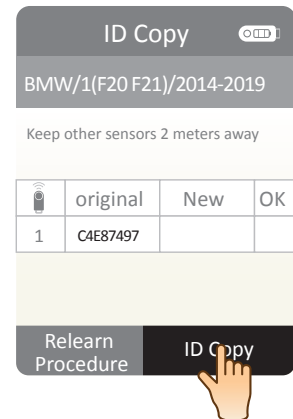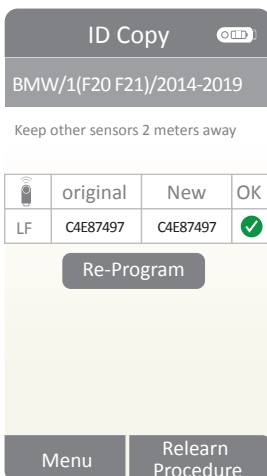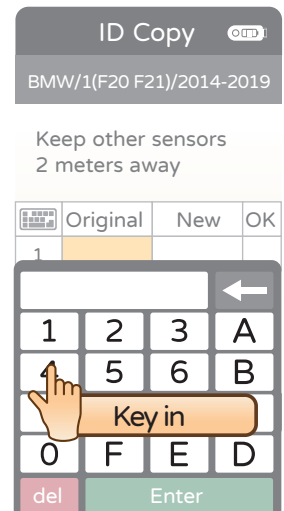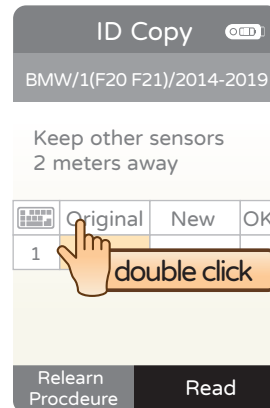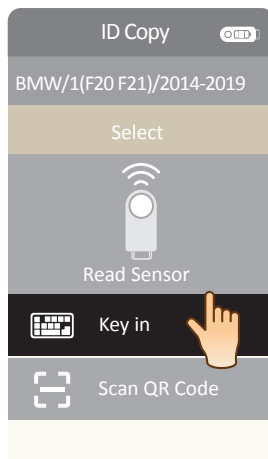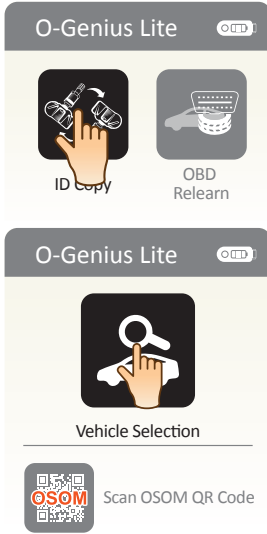
Note

If the original sensor is broken, please select "Key in" function.
Please follow the process below.

ID Copy

BMW/1(F20 F21)/2014-2019

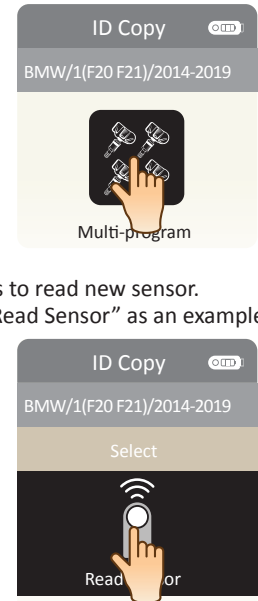Select

Read Sensor

Key in

Scan QR Code

ID Copy

BMW/1(F20 F21)/2014-2019

Keep other sensors 2 meters away

	Original	New	OK
1			

double click

Relearn Procdeure | Read

ID Copy

BMW/1(F20 F21)/2014-2019

Keep other sensors 2 meters away

	Original	New	OK
1			

1	2	3	A
4	5	6	B
Key in			
0	F	E	D

del | Enter

ID Copy-Multi-program

1 Select "ID Copy" and "Vehicle Selection"

O-Genius Lite

ID Copy   OBD Relearn

O-Genius Lite

Vehicle Selection

OSOM   Scan OSOM QR Code

2 Select Make, Model, Year

Read Sensor

Select Make

Select

BMW   BENTLEY

BMW

1(F20 F21)

BMW/1(F20 F21)

2014-2019

3 Select "Multi-program"

ID Copy

BMW/1(F20 F21)/2014-2019

Multi-program

3 ways to read new sensor.
Use "Read Sensor" as an example.

ID Copy

BMW/1(F20 F21)/2014-2019

Select

Read Sensor

4 Select "Read Sensor"

ID Copy

BMW/1(F20 F21)/2014-2019

LF   RF
LR   RR

	ID
LF	
RF	
RR	
LR	
Menu	Read Sensor
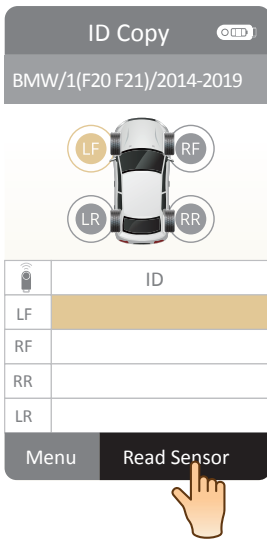
5 Read Sensor

Select the next tire to read sensor
and repeat until all 4 sensors are complete.

ID Copy

BMW/1(F20 F21)/2014-2019

LF   RF
LR   RR

	ID
LF	C4E87497
RF	
RR	
LR	
Menu	Next

6 Select "Next"

ID Copy

BMW/1(F20 F21)/2014-2019

LF   RF
LR   RR

	ID
LF	C4E87497
RF	0CE857F1
RR	04E85555
LR	0CE8742B
Menu	Next

7 Select "ID Copy"

ID Copy

BMW/1(F20 F21)/2014-2019

Keep other sensors 2 meters away
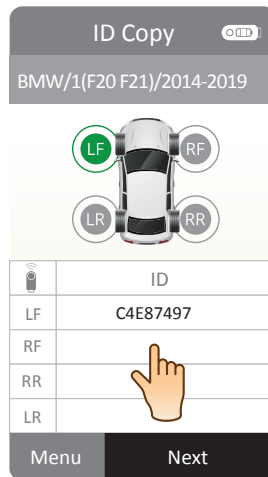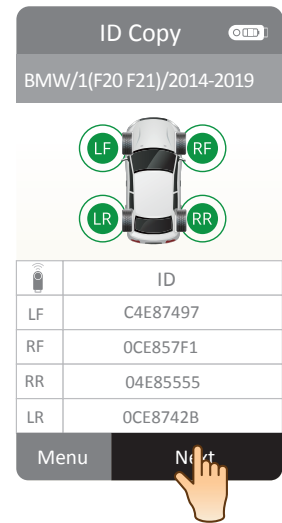
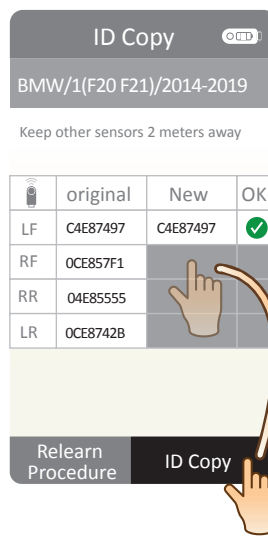|	original	New	OK
LF	C4E87497		
RF	0CE857F1		
RR	04E85555		
LR	0CE8742B		
Relearn Procedure	ID Copy		

8 ID Copy

Select the next tire position
and select "ID Copy", repeat until complete

ID Copy

BMW/1(F20 F21)/2014-2019

Keep other sensors 2 meters away

	original	New	OK
LF	C4E87497	C4E87497	✅
RF	0CE857F1		
RR	04E85555		
LR	0CE8742B		
Relearn Procedure	ID Copy		

9 Completed

ID Copy

BMW/1(F20 F21)/2014-2019

Keep other sensors 2 meters away

	original	New	OK
LF	C4E87497	C4E87497	✅
RF	0CE857F1	0CE857F1	✅
RR	04E85555	04E85555	✅
LR	0CE8742B	0CE8742B	✅
Re-Program	Relearn Procedure		
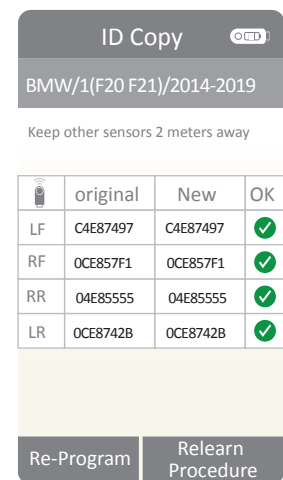
1 Select "OBD Relearn" and "Vehicle Selection"

O-Genius Lite

ID Copy   OBD Relearn

O-Genius Lite

Vehicle Selection

2 Select Make, Model, Year

OBD Relearn
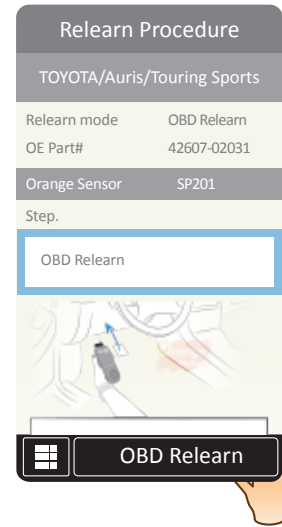Select Make

TOYOTA

TOYOTA
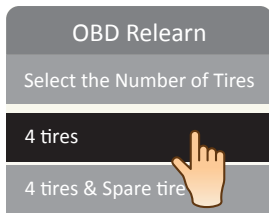Auris/Touring Sports

TOYOTA/Auris/Touring Sports
2014-2018
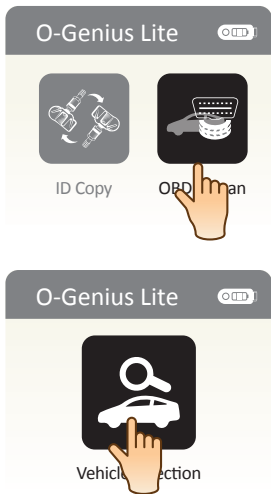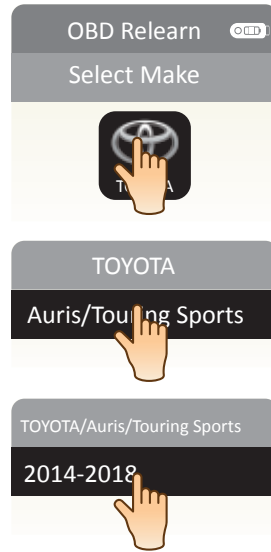
3 Select "Next"

Please follow the vehicle Relearn Procedure. (Reminder: different vehicle will have different procedure, it will determine the following steps)
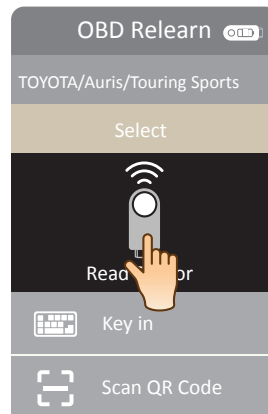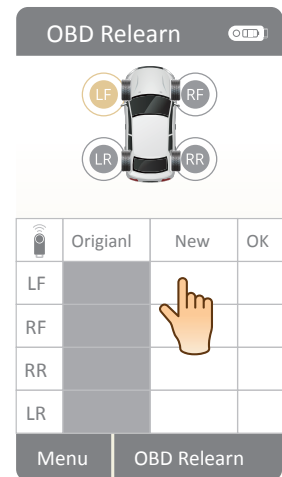
Relearn Procedure

TOYOTA/Auris/Touring Sports

Relearn mode	OBD Relearn
OE Part#	42607-02031
Orange Sensor	SP201
Step.	

OBD Relearn

OBD Relearn

4 Select the Number of tires

OBD Relearn

Select the Number of Tires

4 tires

4 tires & Spare tire

5 3 options to read sensor

3 ways to read new sensor.
use "Read Sensor" as an example.

OBD Relearn

TOYOTA/Auris/Touring Sports

Select

Read Sensor

Key in

Scan QR Code

6 Read new sensor IDs

Press new sensor position to read sensor.

OBD Relearn

LF RF
LR RR

	Origianl	New	OK
LF			
RF			
RR			
LR			

Menu	OBD Relearn

7 Read new sensor IDs

Repeat procedure for other positions.

OBD Relearn

LF RF
LR RR

	Origianl	New	OK
LF		C4E87497	
RF			
RR			
LR			
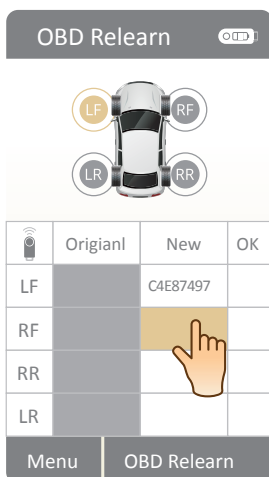
Menu	OBD Relearn

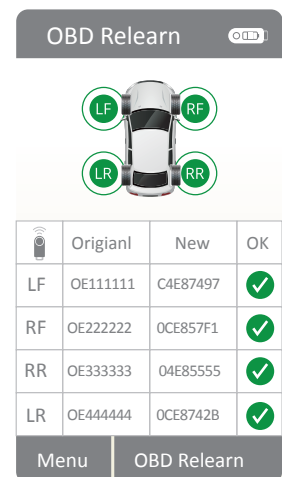**8** Select "OBD Relearn"

1. Turn ignition to ON, engine off.
2. Plug in O-Genius Lite.
3. Select "OBD Relearn"
*Sensor ID and Tire position data are transferred to OBD separately.
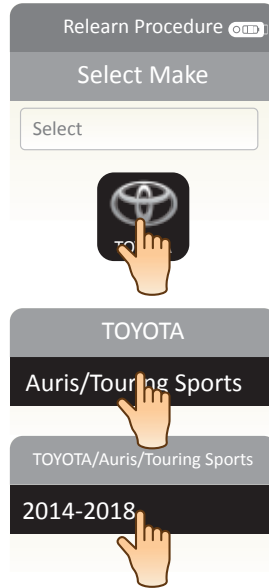
OBD Relearn

LF RF
LR RR

	Origianl	New	OK
LF			
RF		0CE857F1	
RR		04E85555	
LR		0CE8742B	

Menu	OBD Relearn

9 Completed

OBD Relearn

LF RF
LR RR

	Origianl	New	OK
LF	OE111111	C4E87497	✅
RF	OE222222	0CE857F1	✅
RR	OE333333	04E85555	✅
LR	OE444444	0CE8742B	✅

Menu	OBD Relearn
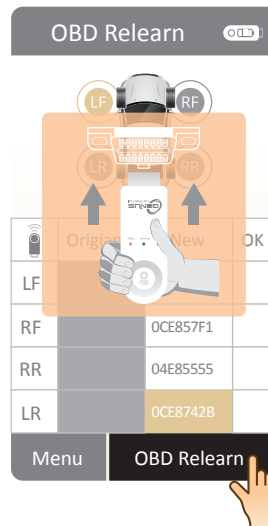
1 Select "Retrieve ID" and "Vehicle Selection"

O-Genius Lite

Retrieve ID

Relearn Procedure

O-Genius Lite

Vehicle Selection

2 Select Make, Model, Year

Relearn Procedure

Select Make

Select

TOYOTA

TOYOTA

Auris/Touring Sports

TOYOTA/Auris/Touring Sports

2014-2018
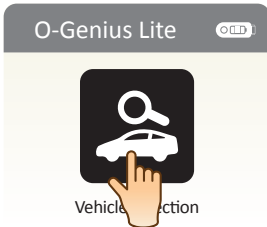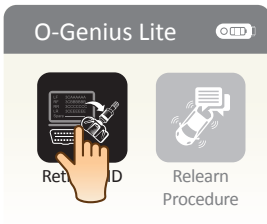
3 Plug in O-Genius Lite

1. Turn ignition to ON, engine off.
2. Plug in O-Genius Lite.

ID Copy(OBD)

LF   RF
LR   RR

LF	
RF	
RR	
LR	

Menu | ID Copy
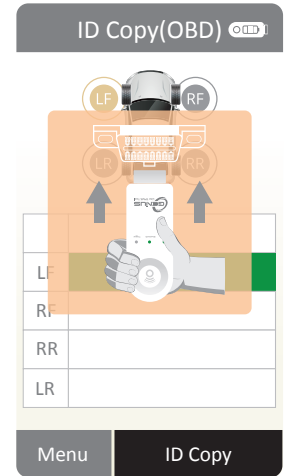
4 Select "Next"

O-Genius Lite will detect the sensor ID automatically, and select "Next".

ID Copy(OBD)

LF   RF
LR   RR

	ID
LF	C4E87497
RF	0CE857F1
RR	04E85555
LR	0CE8742B

Relearn Procedure | Next

5 Select "ID Copy"

ID Copy(OBD)

Keep the other sensor 2 meters away

	Origianl	New	OK
LF	C4E87497		
RF	0CE857F1		
RR	04E85555		
LR	0CE8742B		

Menu | ID Copy

6 ID copy

Select the next tire position and select "ID Copy", repeat until complete

ID Copy(OBD)

Keep the other sensor 2 meters away

	Origianl	New	OK
LF	C4E87497	C4E87497	✅
RF	0CE857F1		
RR	04E85555		
LR	0CE8742B		

Menu | ID Copy

7 Completed

ID Copy(OBD)

LF   RF
LR   RR

	Origianl	New	OK
LF	C4E87497	C4E87497	✅
RF	0CE857F1	0CE857F1	✅
RR	04E85555	04E85555	✅
LR	0CE8742B	0CE8742B	✅

Menu | Relearn Procedure
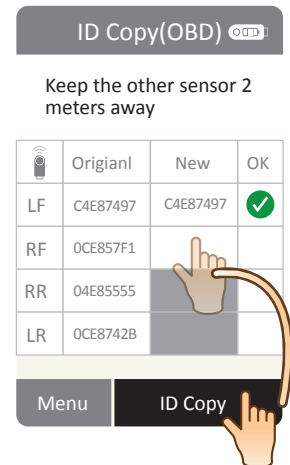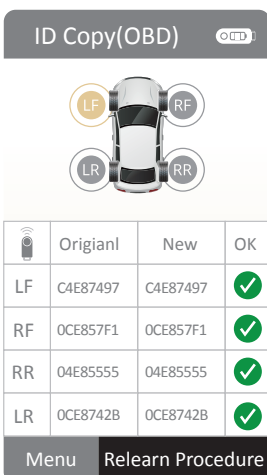
Relearn Procedure

1 Select "Relearn Procedure"

O-Genius Lite

OBDII Relearn

Relearn Procedure

2 Select Make, Model, Year

Relearn Procedure

Select Make

Select

TOYOTA

Auris/Touring Sports

TOYOTA/Auris/Touring Sports

2014-2018

3 Completed

Relearn Procedure

TOYOTA/Auris/Touring Sports

Relearn mode	OBD Relearn
OE Part#	42607-02031
Orange Sensor	SP201

Step.

OBD Relearn

Menu
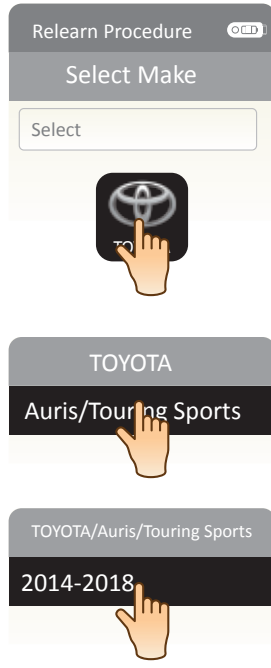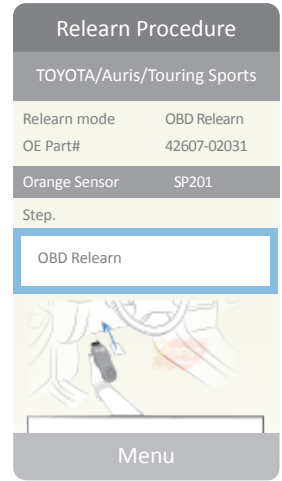
1 (Program)   How many sensors can be programmed by the tool simultaneously?
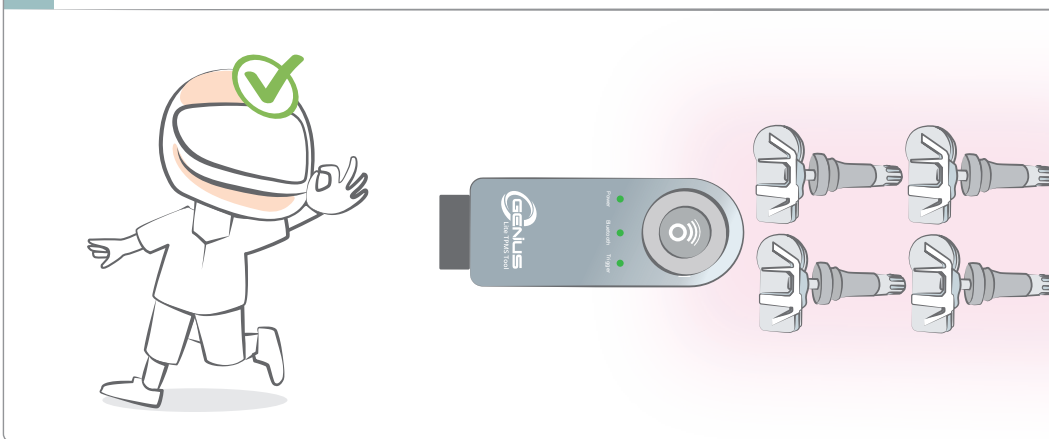
It is possible to program up to 4 sensors at the same time.

2 (Program)   Multi-programming: Please align the box as shown below:

3 (Program)   Is it possible to program the sensors when they are mounted inside the tires?

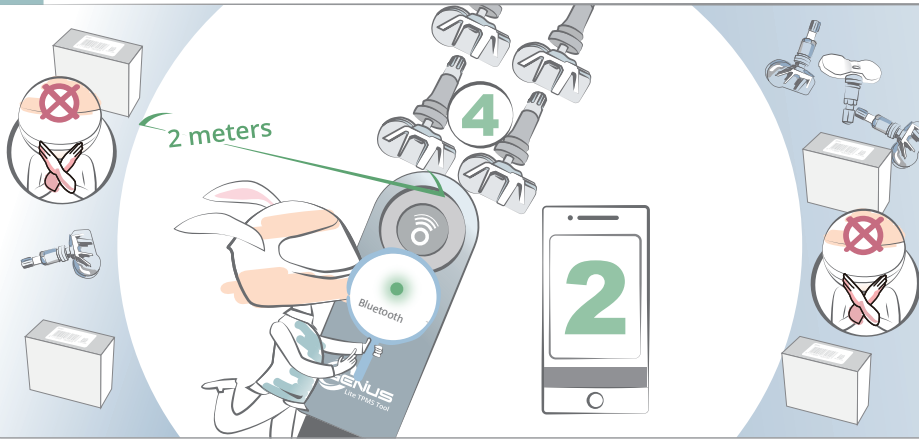Yes, Orange sensors can be programmed even the sensors are already mounted in the tires with full pressure.

4 (Read/ Program)   Read or Program failure when sensor mounted in tire.
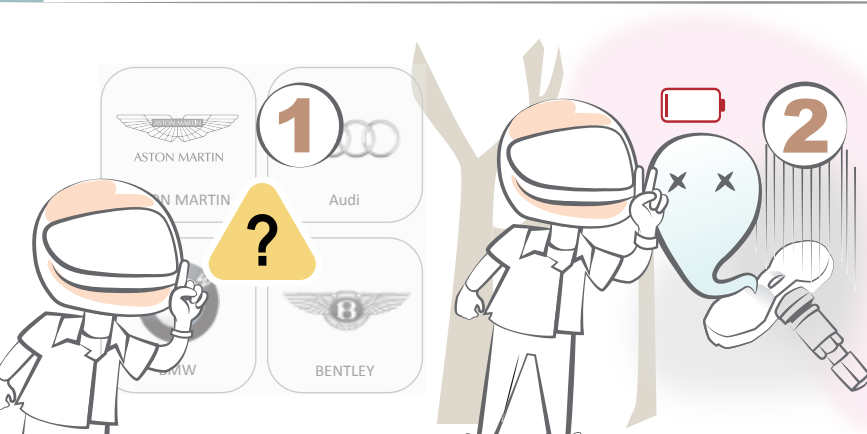
Please make sure tool is close to the tire and try it again.(Please follow the image)

## 5 (Program) Program failure, Sensor is not mounted inside the tire.

2 meters

Please make sure to keep other sensors 2 meters away.

6 (ID Copy) I can't detect original sensors ID when I do ID Copy.

ASTON MARTIN

ASTON MARTIN Audi

?

BMW BENTLEY

1. Please make sure you choose the correct MMY.
2. The sensor battery may be dead, please choose the "Key in" method.

7 (ID Copy) ID Copy new sensor failure

ID:3E43**8888**

ID:3E43**8888**88
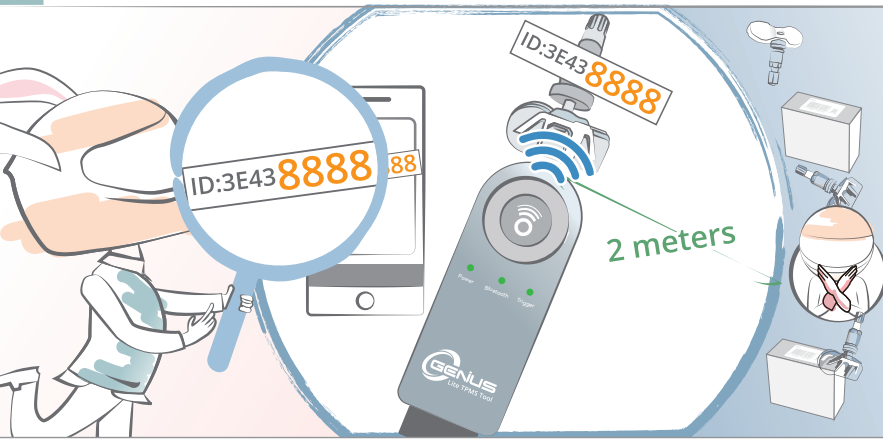
2 meters

1. Please make sure the sensor ID and the programming sensors ID are the same.
2. Please make sure to keep other sensors 2 meters away.

8 (OBD Relearn) During OBD Relearn, does it only transfer sensor ID to ECU?
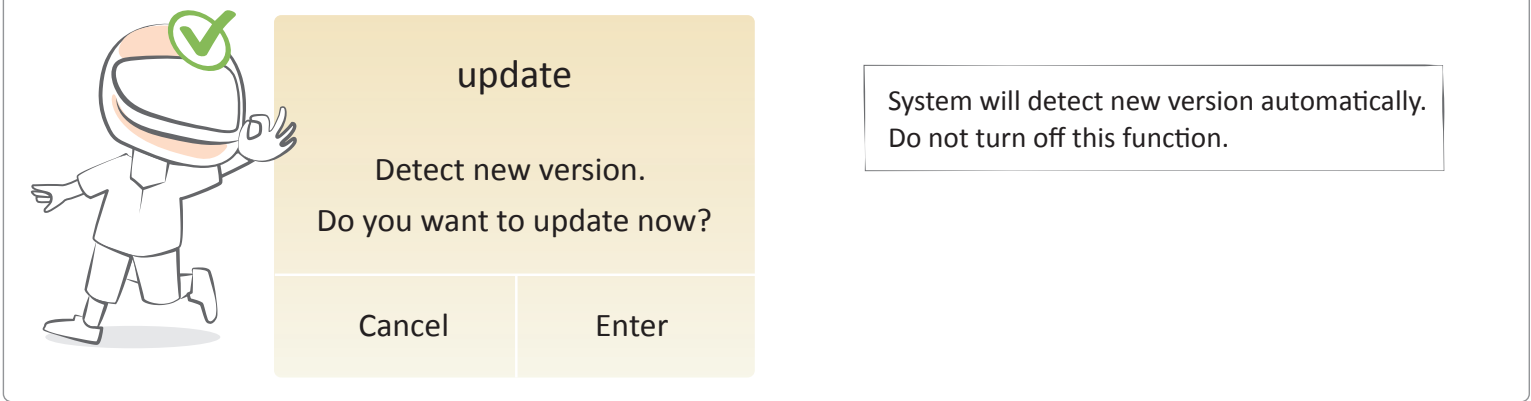
OBD

DD AA

DD 55 22 AA

CC BB

CC 44 23 BB
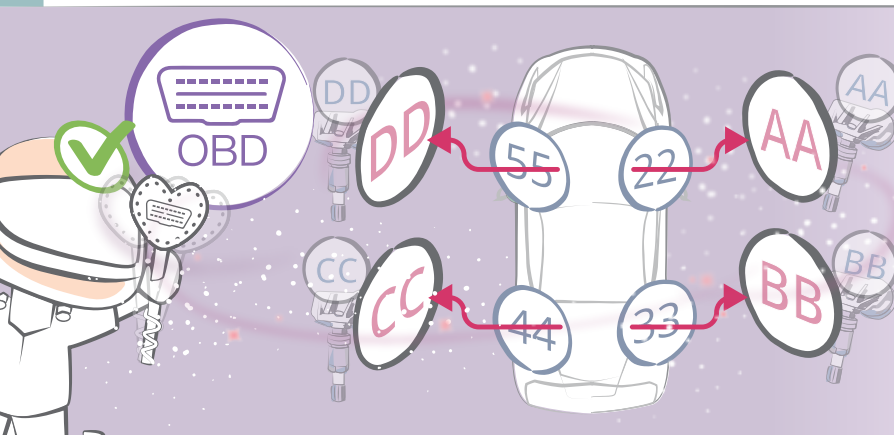
Yes, during OBD Relearn, you could only upload sensor ID to ECU.

*Sensor ID and Tire position data are transferred to OBD separately.

FAQ

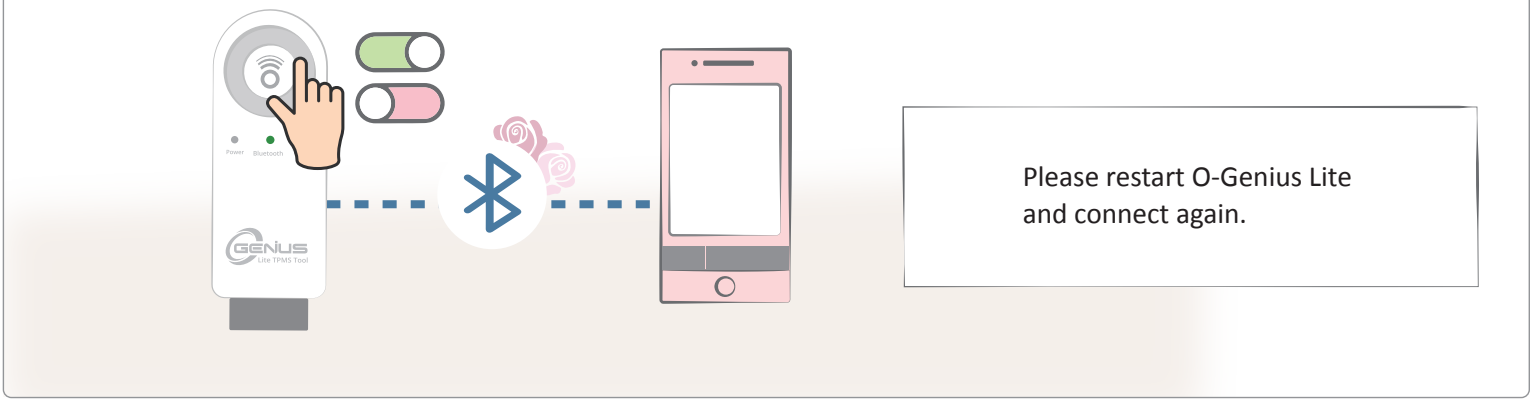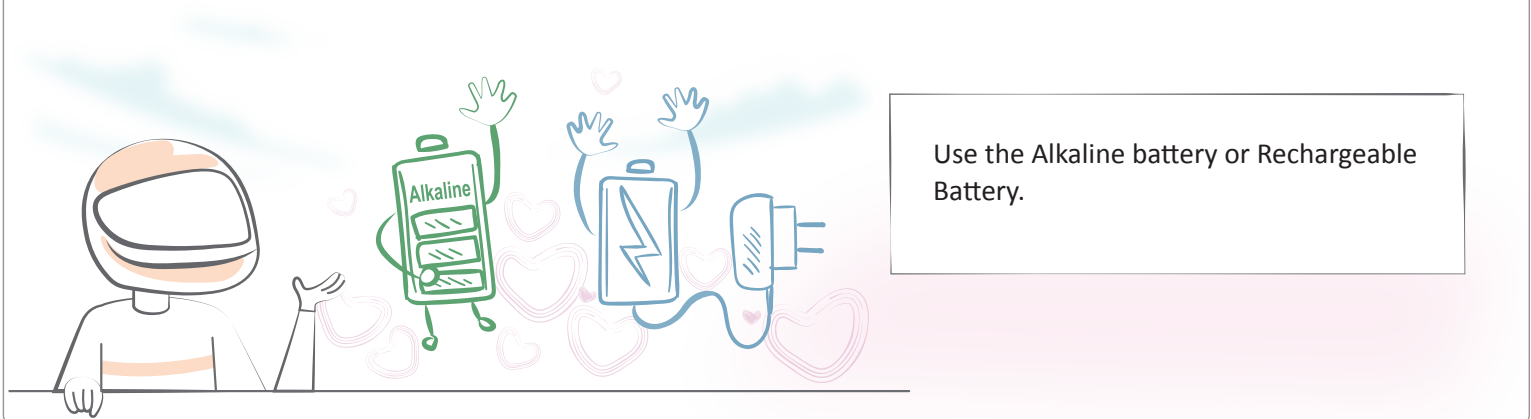**9** (Operation) Download car information too long or no action .

36%

Please check the WiFi connection.

10 (Operation) How can I update my version?

update

Detect new version.
Do you want to update now?

Cancel   Enter

System will detect new version automatically. Do not turn off this function.

11 (Operation) Cannot connect to O-Genius Lite

Please restart O-Genius Lite and connect again.

12 (Battery) What type of battery should I use?

Alkaline

Use the Alkaline battery or Rechargeable Battery.

FAQ

13 **(Battery)** How can I check my battery power?

After turning on, 3 indicator light will flash 5 times, and then showing the battery status. Please check the image on the (right, left, below, or above) to see more details.

14 **(Battery)** To change battery:
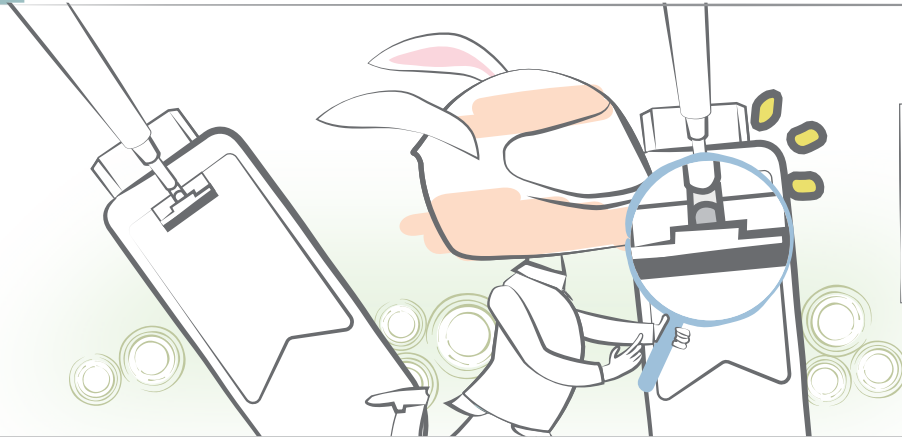
To prevent battery cover falling off during installation, it is designed fit closely in. When changing batteries, please use a flathead screwdriver to open the battery cover.