Uni-TPMS

AT60 TPMS Tool Manual

Uni-TPMS

Contents

1.Precautions ⚠

In order to avoid causing personal injury or damage to the vehicle/ auxiliary device, please read the equipment manual carefully before use, and strictly abide by the following terms.

- Ensure you use this device in a safe environment.
- Ensure the vehicle has already completely stopped and stalled.
- Ensure distance is kept from car heating parts.
- When removing the tire, ensure that the support part is stable and reliable.
- Non-professionals are not permitted to use the device for related operations.
- Refer to the vehicle maintenance manual during maintenance to avoid errors caused by lack of information.

2.Product introduction

2.1 Features

AT60 is a TPMS maintenance tool equipped to carry out the following functions:

- Activating/Reading tire pressure sensor information, including current tire pressure and temperature, sensor battery, and sensor status.
- Viewing the TPMS sensor part number (OE number) of the corresponding vehicle model.
- Viewing the method used by the TPMS sensor to learn new IDs of the corresponding vehicle model.
- Programming (configuring) Auzone sensors. Programmable sensors can be configured as sensors of the required vehicle based on the actual demand.
- Detecting the frequency and intensity of RF signals.
- Simultaneously programming multiple sensors.
- Quickly modifying Auzone sensor IDs.

2.2 Exterior
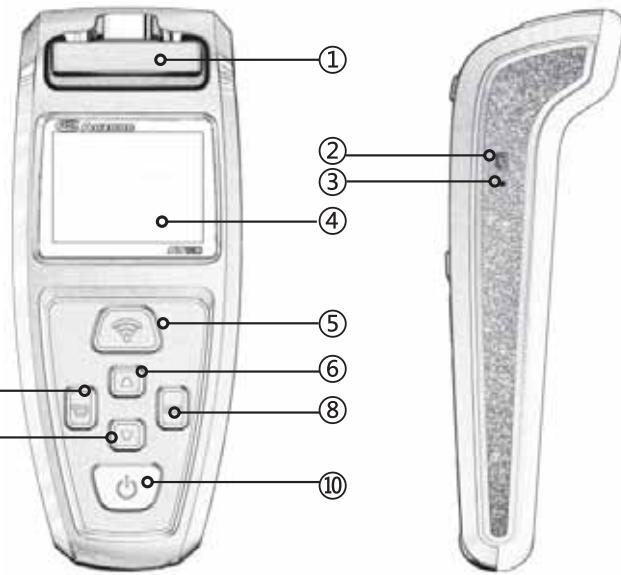
① **Sensor slots:** Used to place sensors.
② **USB port:** USB communication and charging.
③ **Reset hole:** Used to avoid re-inserting the battery in special cases.
④ **Display screen:** Used to show the operation interface.
⑤ **Activation key:** Used to activate and read the sensor information on the activation interface.
⑥ **Up key:** Toggle up.
⑦ **Return/Cancel key:** Return to the previous stage or cancel the operation.
⑧ **Enter/Confirmation key:** Confirm or enter the operation.
⑨ **Down key:** Toggle down.
⑩ **Power/Quick-return key:** On/off or quickly return to functions on the main interface.

2.3 Specifications

Display	2.8" TFT color display (320 x 240 DPI)
Battery	3.7V 3000mAh lithium battery
Operating temperature	0-50°C (32-122°F)
Storage temperature	-20-70°C (-4-158°F)
Dimensions	224.7mm * 94.5mm * 58.8mm (8.85" * 3.72" * 2.31")
Weight	0.29kg (0.64lb)

2.4 Charging time

This device has an in-built lithium-ion polymer rechargeable battery, adopts power adapter and USB charging, and takes roughly 4 hours to charge.

Note
Please use the original adapter and cable that come with the device to charge. Charging with other power sources may damage the device. This damage will not be covered by the warranty.

3. Basic functions

3.1 On/Off

On: When the device is off, press the "Power" button until the screen lights up (usually less than 1s).
Off: When the device is on, press the "Power" button for 3 seconds to turn it off.
System reset: When the device is unable to turn on or off normally, insert a paperclip or a small iron rod into the reset hole on the right side of the AT60 (the small hole next to the USB port), and gently press the reset button within. The system will then restart and turn off.

3.2 Activate/Read tire pressure (sensor) information

The AT60 can activate the original and third-party sensors to obtain current information from the tire pressure sensor, such as sensor ID, tire temperature, tire pressure, battery level, and sensor frequency. The operation procedure is as follows:

1. Select "Tire pressure diagnostics" on the main interface, then select the brand, model, and year of production of the vehicle requiring activation (some models also require you to select the corresponding number of wheels), and enter the feature selection interface.

BMW 1 Series 01/2015-12/2017
- Sensor Diagnose >
- Program (up to 20 sensors) >
- Relearn Info. >
- Part number >

01/04
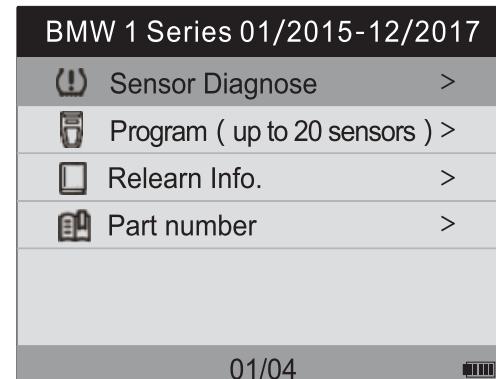
2. Select "Sensor diagnostics" on this interface to enter the "Activate/Read" interface (some models also require you to select 4 or 5 wheels).

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🛜 =Trigger
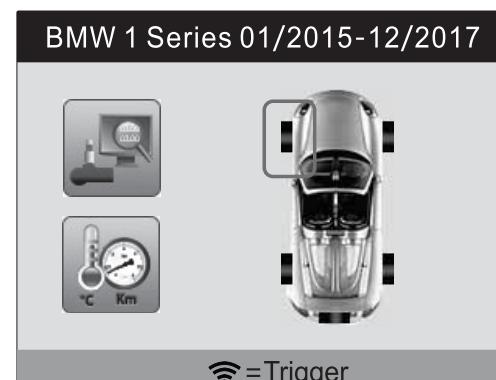
3.To activate, use the "Up/Down" keys to select the tire position you want to activate/read.

4. Press the "Activation" key ![icon](the button with a wireless signal). The device will activate the sensor. Once the activation is successful, the pressure, temperature, and sensor battery will be displayed in the corresponding locations. Note: Different models may display different content.

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200Kpa 25℃   200Kpa 25℃

200Kpa 25℃   200Kpa 25℃

200Kpa 25℃

= Trigger
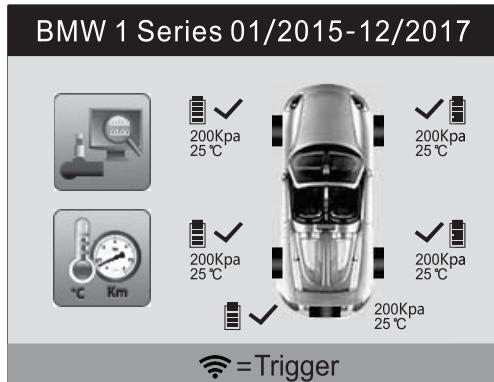
5. Then (on the main activation interface), you can press "OK" to view the activation details:

Sensor Status

Pos	ID	KPa	℃	Bat.
LF	0123456789	200	25	
RF	0123456789	200	25	
RR	0123456789	200	25	
LR	0123456789	200	25	
SP	0123456789	200	25	

Press any key to return

6.Select the toggle unit icon on the main activation interface to change the unit.
Note: The settings here are consistent with the the system settings.

ID display: hexadecimal, decimal
Pressure: kPa, bar, psi
Temperature: ℃, ℉

3.3 Sensor programming

The AT60 can carry out programming of programmable Auzone sensors. When programming, attention should be paid to select the programmable sensor with the same frequency as the corresponding vehicle sensor. Three sensor ID generation methods are supported: automatic ID generation, manual ID input, and activated ID duplication (you must activate/read the sensor ID you want to copy first). The specific operation procedure is as follows:

1.Select "Tire pressure diagnostics" on the main interface, then select the brand, model, and year of production of the vehicle requiring programming (some models also require you to select the corresponding number of wheels), and enter the feature selection interface.

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	Sensor Diagnose	>
	Program (up to 20 sensors)	>
	Relearn Info.	>
	Part number	>

02/04
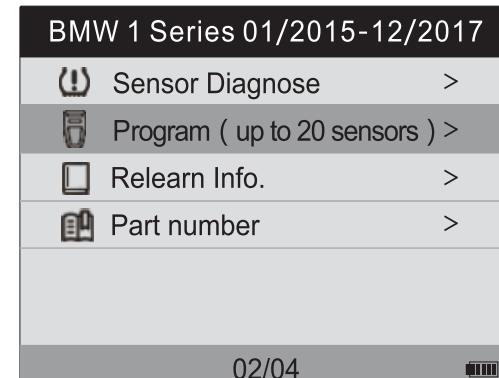
2. Select "Sensor programming (1-20)" to enter the ID creation interface.

```
┌─────────────────────────────────────┐
│      Program(up to 20 sensor)        │
├─────────────────────────────────────┤
│  ⇕  Auto. Create ID            >     │
├─────────────────────────────────────┤
│  ▣  Copy by Trigger(single sensor) > │
├─────────────────────────────────────┤
│  ☝  Input New ID(single sensor) >    │
├─────────────────────────────────────┤
│                                      │
│                                      │
│              01/03            ▮▮▮▯    │
└─────────────────────────────────────┘
```
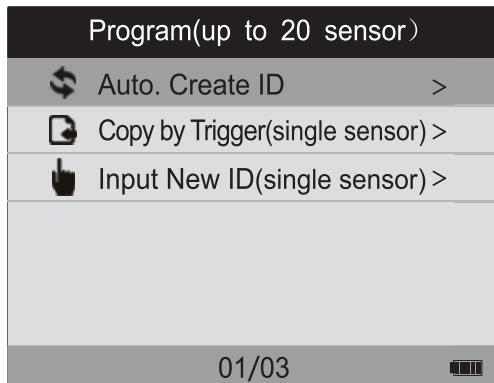
① Automatic ID creation: Select "Automatic ID generation" to enter the ID confirmation interface.

```
┌─────────────────────────────────────┐
│              Program                 │
├─────────────────────────────────────┤
│                                      │
│                                      │
│       Please make sure the ID        │
│         ID:89465157 HEX              │
│                                      │
│                                      │
├─────────────────────────────────────┤
│  Cancel                    Again     │
└─────────────────────────────────────┘
```
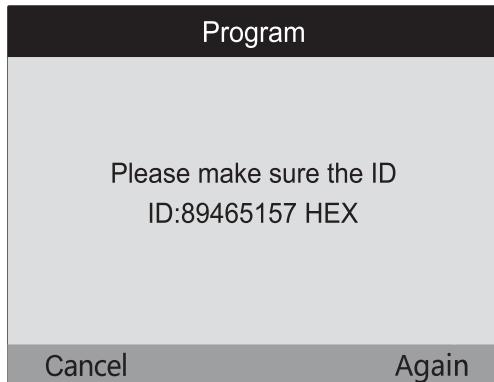
② Activated ID duplication: Select "Activated ID duplication (single)" to enter the ID confirmation interface.

```
┌─────────────────────────────────────┐
│              Program                 │
├─────────────────────────────────────┤
│                                      │
│                                      │
│       Please make sure the ID        │
│         ID:89465157 HEX              │
│                                      │
│                                      │
├─────────────────────────────────────┤
│  Cancel                    Again     │
└─────────────────────────────────────┘
```
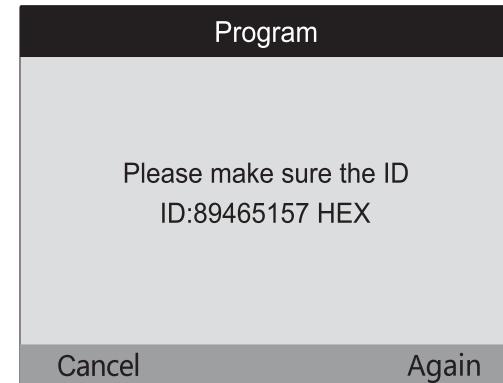
③ Manual ID creation: Select "Manual ID input (single)" to enter the ID input interface. Press the "Up/Down" keys to select the value you want to enter, then press "OK" to enter the corresponding value ("Backspace" can be used to delete the value entered, and [Dec⇄Hex] can switch between input systems). Select "Enter" to complete the ID input and enter the ID confirmation interface.

```
┌─────────────────────────────────────┐
│              Program                 │
├─────────────────────────────────────┤
│  Input New ID                 HEX    │
│  ┌───────────────────────────────┐   │
│  │ 89465157                      │   │
│  └───────────────────────────────┘   │
│  ┌────────┬───┬───┬───┬───┐          │
│  │Dec⇄Hex │ 0 │ 1 │ 2 │ 3 │          │
│  ├────┬───┼───┼───┼───┼───┤          │
│  │ 4  │ 5 │ 6 │ 7 │ 8 │ 9 │          │
│  ├────┼───┼───┼───┼───┼───┤          │
│  │ A  │ B │ C │ D │ E │ F │          │
│  ├────┴───┴───┴───┴───┴───┤          │
│  │  Enter    │  BackSpace  │          │
│  └───────────┴─────────────┘          │
├─────────────────────────────────────┤
│  Cancel                    Again     │
└─────────────────────────────────────┘
```

```
┌─────────────────────────────┐
│          Program            │
├─────────────────────────────┤
│                             │
│                             │
│     Please make sure the ID │
│        ID:89465157 HEX      │
│                             │
│                             │
├─────────────────────────────┤
│  Cancel              Again  │
└─────────────────────────────┘
```
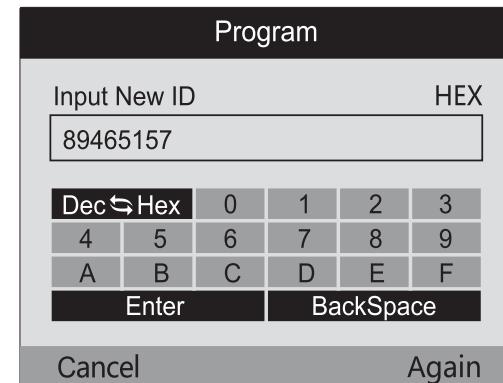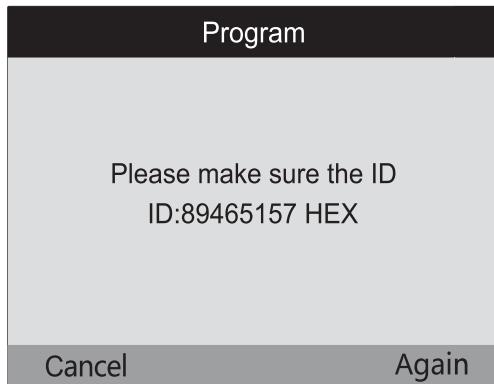
3. Place the sensor requiring programming within 30cm of the AT60, then press "OK" to confirm the ID. Once confirmed, the device will automatically search for and program the sensor.

```
┌─────────────────────────────┐
│          Program            │
├─────────────────────────────┤
│                             │
│                             │
│      Please wait for...     │
│                             │
│   ▐████▌───────────────┐    │
│                             │
├─────────────────────────────┤
│  Cancel              ▐███▌  │
└─────────────────────────────┘
```
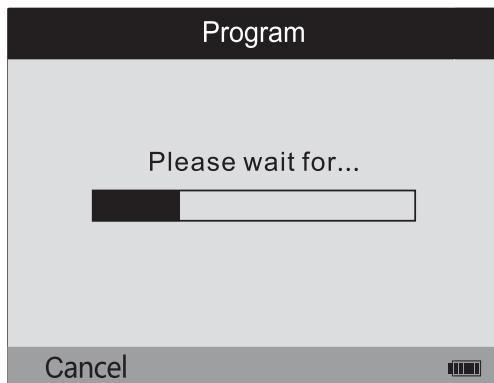
4. Once programming is complete, a success prompt will be displayed. Press "OK" to return to the main activation interface.

```
┌─────────────────────────────┐
│          Program            │
├─────────────────────────────┤
│                             │
│                             │
│     Please make sure the ID │
│        ID:89465157 HEX      │
│                             │
│                             │
├─────────────────────────────┤
│                      Again  │
└─────────────────────────────┘
```
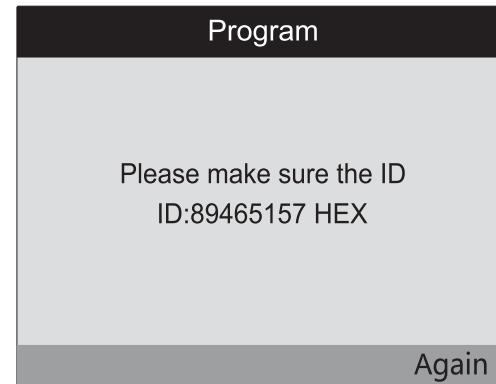
3.4 View learning method

View "Learning information" to understand how the current vehicle learns/identifies new sensor IDs. The specific procedure is as follows:

**1.** Select "Tire pressure diagnostics" on the main interface, then select the brand, model, and year of production of the vehicle you want to view, and enter the feature selection interface.

```
┌─────────────────────────────┐
│  BMW 1 Series 01/2015-12/2017│
├─────────────────────────────┤
│ (!)  Sensor Diagnose      > │
│ [▯]  Program ( up to 20 sensors ) > │
│ [▯]  Relearn Info.        > │
│ [▥]  Part number          > │
│                             │
│                             │
│          03/04       ▐████▌ │
└─────────────────────────────┘
```
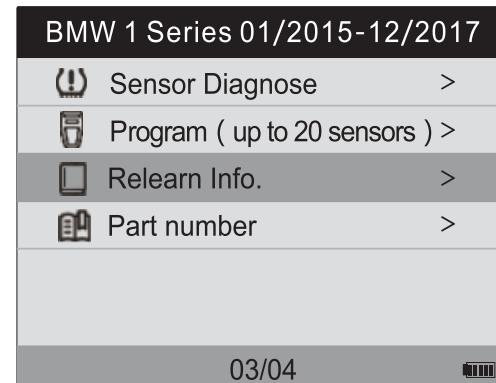
2. Select "Learning information" and press "OK" to view the learning information, as shown below:

```
┌─────────────────────────────────┐
│         Relearn Info.           │
├─────────────────────────────────┤
│                                 │
│  1.Not TPMS sensors fitted in the car.│
│  2.Check TPMS warning light.    │
│  3.Inflate all tyres correctly. │
│  4.Turn on ignition.            │
│  5.Hold down RESET button until TPMS│
│    light  changes the colour.   │
│  6.Drive until TPMS light goes out.│
│                                 │
├─────────────────────────────────┤
│  Back                           │
└─────────────────────────────────┘
```
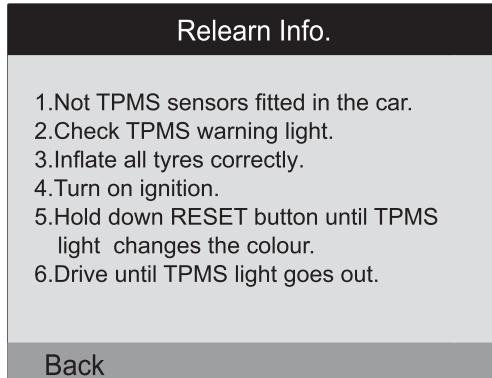
3. Press the "Up/Down" keys to move between pages. Press "Return" to return.

3.5 View part number

View "Part number" to understand the sensor part number applicable to the current vehicle. The specific procedure is as follows:

1. Select "Tire pressure diagnostics" on the main interface, then select the brand, model, and year of production of the vehicle you want to view, and enter the feature selection interface.

```
┌─────────────────────────────────┐
│  BMW 1 Series 01/2015-12/2017   │
├─────────────────────────────────┤
│  (!)  Sensor Diagnose        >  │
│  ▤   Program ( up to 20 sensors ) > │
│  ▣   Relearn Info.           >  │
│  ▥   Part number             >  │
│                                 │
│                                 │
│            04/04          ▭▭▭   │
└─────────────────────────────────┘
```

2. Select "Part number" and press "OK" to view the part number, as shown below:
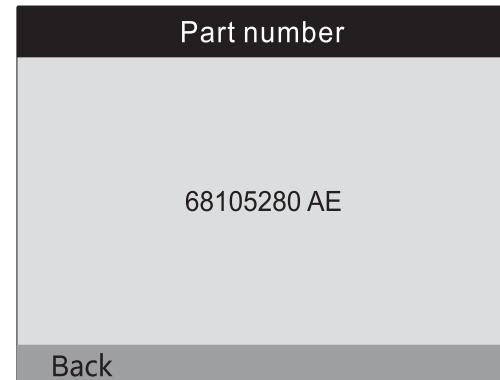
```
┌─────────────────────────────────┐
│         Part number             │
├─────────────────────────────────┤
│                                 │
│                                 │
│          68105280 AE            │
│                                 │
│                                 │
├─────────────────────────────────┤
│  Back                           │
└─────────────────────────────────┘
```

3. Press the "Up/Down" keys to move between pages. Press "Return" to return.

3.6 Return quickly to previous test

When the device is on, use this function to enter to the activation interface of the last tested model.
Operation method: On the main interface, select "Previous test" and press "OK" to enter.

3.7 View history

This function can be used to view a record of the most recently used vehicle models (max of 20). The operation method is as follows:

1. On the main interface, select "History" and press "OK".

Logs
01.24-12-2017 BMW Series 1 01/2015-12/2017
02.24-21-2017 Audi A6 05/2016+
Press ▼ & ▲ to clear.
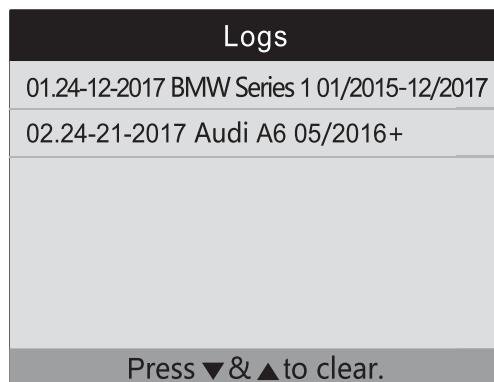
2. Select the record you want to view and press "OK" to enter the corresponding interface.

Sensor Status				
Pos	ID	KPa	℃	Bat.
LF	0123456789	200	25	
RF	0123456789	200	25	
RR	0123456789	200	25	
LR	0123456789	200	25	
SP	0123456789	200	25	
Press any key to return				

4. System functions

4.1 Switching languages

In the main menu, enter "Language" by using the "Up/Down" and "OK" keys. Select the required language and press "OK". You will automatically return to the main interface once complete, as shown below:

TPMS	LastCar	Language	Setting
Advanced	PKE&RF	Logs	About
03/08	

Language
English
简体中文
01/02