V101B Bluetooth 4.0 TPMS Tire Pressure Monitoring System User Manual

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Contents

DESCRIPTION:

Thanks for choosing our BLE TPMS product which is designed for smart cellphones and supports cellphone with Bluetooth 4.0 or above. Once BLE tire sensor installed in wheel, tire pressure and temperature can be displayed in cellphone with APP. During travel, tire pressure and temperature displayed in real time and send alert when

statistics' abnormal. For your safety, please read manual before using, thank you!

WARNING

Support cellphone with Bluetooth 4.0 or above. Do NOT support Cellphone with Bluetooth lower than 4.0.(Due to the different hardware perform- mince of android phone manufacturers, data transmission may be delayed, which is a normal phenomenon)

The product is displayed through the mobile APP. Please be careful when checking the tire pressure and temperature in your mobile phone while driving.

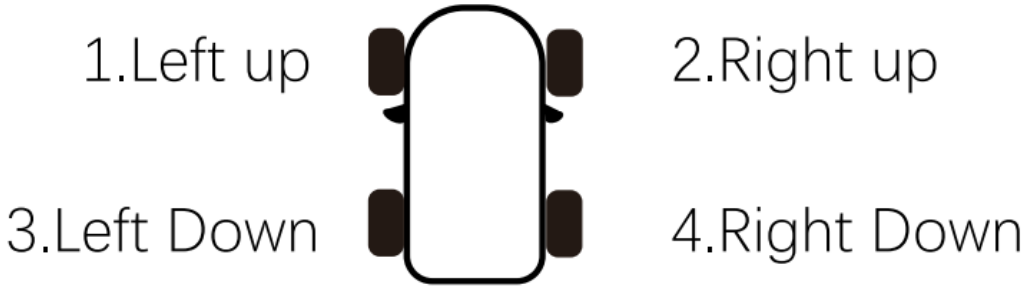
If tire pressure accelerates down or up continue- Ousley, please stop car and check if there's any problem with the tire.

This product can read tire pressure and tempera- true, but it cannot avoid sudden accident caused by tire. It's important to use tire with high quality.

Slightly tire leakage makes tire pressure decreas- es over time is normal. It has nothing to do with this product installation.

Inner Sensor Installation

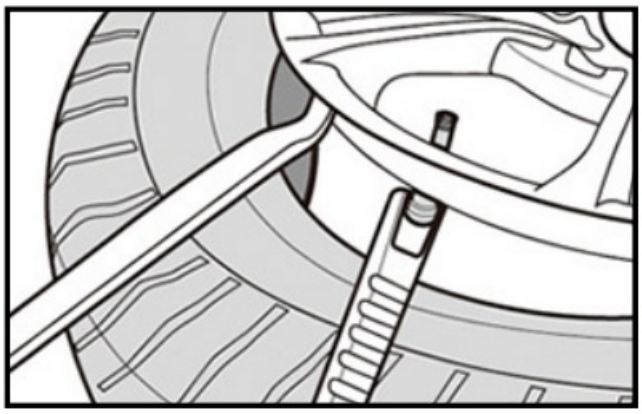
Each sensor has a unique ID code. Please make sure sensor installed in corresponding tire. Check the first digit code 1234 on the card or sensor corresponds to the front, rear, left, and right of the tire



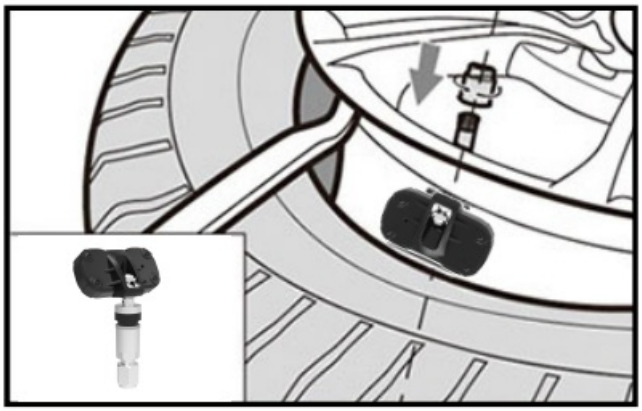
Note: After sensor installation, please pump up the tire and open the APP in cellphone (Choose Auto Pair) at the same time. Then Press "Search" button to finish sensor bind shortly.

Inner Sensor Installation Steps

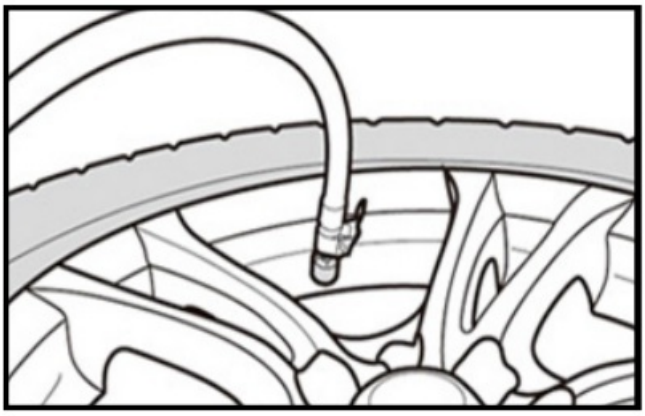
1. Remove tire cap



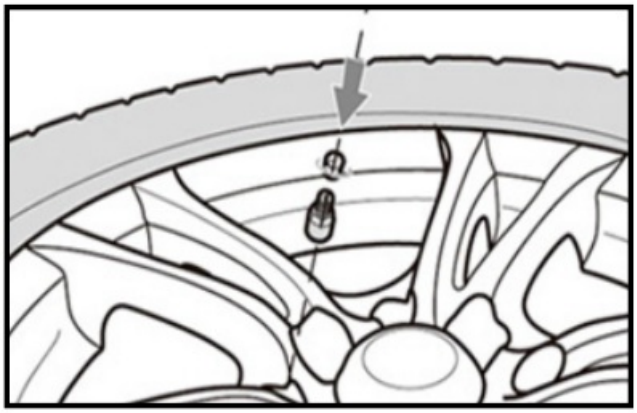
2. Adjust the sensor angle according to the angle of the hub and install it



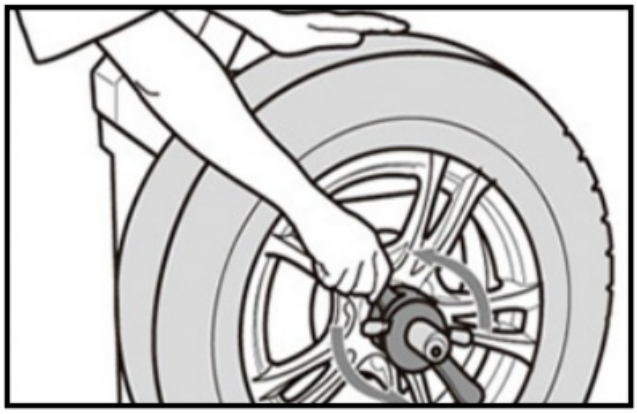
3. Pump up the tire



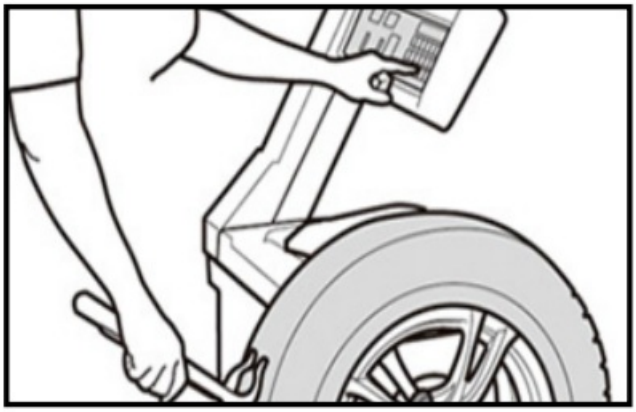
4. Put valve cap



5. Test balancing



6. Adjust balance



Attention:

1. Above steps should be done by professional technician;
2. After sensor installation, please check if there's tire leakage.

Outer Sensor Installation
Each sensor has a unique ID code. Please make sure sensor installed on corresponding tire valve. Installation Diagram

Corresponding sensor silkscreen indication

Note: When spin the sensor to tight, please open the APP in cellphone (Choose Auto Pair) and Press "Search" button at the same time to finish sensor bind shortly.

Outer Sensor Installation Steps

1. Remove tire valve cap, put in Anti-theft screws
2. Install outer sensor on tire valve in order

3. Hold the sensor, tighten Anti-theft screw

Attention:

1. Please follow the mark and install sensor on corresponding tire;
2. Please save the installation tools (screws and wench) in car, for installing or un-stalling sensor
3. After sensor installation, please check if there's tire leakage.

Sensor Specifications

Processor: ARM MO
Working Voltage: 3V
Working Current: 100μA
Standby Current: ≤ 1.5μA
Bluetooth Working Frequency: 2.4GHz
Bluetooth Transmitting Power: 0dBm MAX
Wait Time: ≤ 5s
Display: Phone APP
Outer Sensor Waterproof Standard: IP67
Working Humidity: 95% MAX
Tire Pressure Detection Range: 100-1300kPa
Tire Pressure Detection Accuracy: ± 10kPa
Tire Temperature Detection Accuracy: ± 3°C
Working Temperature: -30°C ~ +80°C (Outer Sensor)
Working Temperature: -40°C ~ +85°C (Inner Sensor)
Storage Temperature: -30°C ~ +85°C (Outer Sensor)
Storage Temperature: -45°C ~ +125°C (Inner Sensor)
Battery Capacity: 140mAh (Outer Sensor)
Battery Capacity: 330mAh (Inner Sensor)
Battery Life: 2-3 Years (Outer Sensor)
Battery Life: 3-5 Years (Inner Sensor)
Sensor Weight: 10g±1g(Outer Sensor)
Sensor Weight: 33g±1g (Inner Sensor)

APP Description
Compatible Operating System
TPMS supports both Android and iOS, requires Bluetooth 4.0 or above.
APP Installation
Option 1: Scan QR code on card, then download and install;
Option 2: Search " TPMSII" in APP Store or Google play Store, then download and install.

Pairing instructions
Recommend use method: bind by scanning code Open the APP, Please scan the QR code card which with words "one-clicking binding" or complete the binding by scan the corresponding sensor ID code.
Installation and pairing: Open APP, Please follow the sensor's mark and install sensor on core- spending tire until get each sensor data. The installation is complete.

External sensor: If the data of sensor can't be get, please re-install the sensor.(please install slowly to make the air pressure fully contact the sensor)
Internal Sensors: If the data of sensor can't be get, please drive the car more than 20km/h and drive about 2-3km to get the data.

Warning Statement
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.
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Note: 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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Documents / Resources

	TPMS V101B Bluetooth 4.0 TPMS Tire Pressure Monitoring System [pdf] User Manual 2ATKM-V101B, 2ATKMV101B, V101B, V101B Bluetooth 4.0 TPMS Tire Pressure Monitoring System, Bluetooth 4.0 TPMS Tire Pressure Monitoring System, TPMS Tire Pressure Monitoring System, Tire Pressure Monitoring System, Pressure Monitoring System, Monitoring System, System

References

- User Manual