



BLE Sensor 1 User Manual

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1. Warning

1.1 Regulations warning

FCC 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.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils 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 radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

1.2 Product Warning

1.2.1 Do not operate APP while driving. The company is exempt from all consequences because of driver's careless and improper operation.

1.2.2 The system adopts the wireless transmission of signals. In some special environments, frequency interference, wrong operation or wrong installation may make signal weaker, or no signal receiving. If the insulation adhesive sticker of the windshield contains metallic material, it will affect the signal reception. When the alarm sounds and shows abnormal data, please drive the vehicle away from the current location (there may be signal interference in the surroundings) or drive the vehicle to a tire shop to check.

1.2.3 If the battery status of the TPMS sensor is low (if abnormal conditions exist, the battery may make the TPMS sensors continuously emit signals to warn the driver, so that the battery life will be shorter than expected), please go as soon as possible to the specified service station to confirm whether the TPMS sensor needs to be replaced.

1.2.4 Please change the sensor when the low sensor battery warning is displayed, it may cause the TPMS not working normally. You will take all risks and responsibilities for this!

1.2.5 Temporary resealing or re-inflation product injected through the valve hole may adversely affect the operation of the sensor. The company is exempt from all consequences

1.2.6 Do not place the TPMS sensor in contact with any chemicals,. They might damage the sensor and prevent it from functioning properly.

1.2.7 Please close any other APPs or web pages which are not in use when using BLE APP. Data receiving condition on the APP will probably be affected by the system loading of the smart phone.

1.2.8 Motorcycle speed should NOT be over 200 km/h, it may cause the sensors to fail.

1.2.9 Some smartphones could not support background mode of APP while using another APPs or Bluetooth headset at the same time.

2. Product Part List

NO	Part	Q'ty
1	Sensor	2
2	Valve kit	2
3	User manual	1

3. Product Specification

Applied motorcycle:

Valve diameter on the rim is 10 mm , rim diameter is above 16 inch. If you want to apply it on the rim whose diameter is under 16 inch, be aware that the unloading arm DOES NOT hit the sensor when taking the tire off.

Motorcycle speed limit: under 200 km/h.

Sensor Specification:

Item	Specification
Operating Voltage	3V
Operating Frequency	2.4 GHz
Operating Temperature	-20°C~105°C
Storage Temperature	-40°C~125°C
Monitored Tire Pressure Range	0~92 psi \pm 1.5 psi (0~637 kPa)
Monitored Tire Temperature Range	-40°C~85 °C \pm 3 °C
Battery Life	2 Years
Size	77 x 26 x 8 mm
Weight	21g \pm 5%

4. TPMS Sensor Installation

4.1 Location of the sensor

Note: Either of two TPMS sensors could be installed in the front or rear wheel, please write down the corresponding sensor ID for ID input in APP. Down the APP user manual from official web address (see details in 5. TPMS APP Download), do the ID learning for both sensors.



4.2 Process of wheel and sensor dismounting and installation

Fig 1. Take the tire away from the rim, avoid the unloading arm hitting the sensor inside.

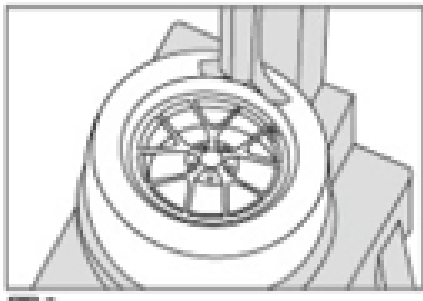


Fig2

Fig 2. Parts of the sensor

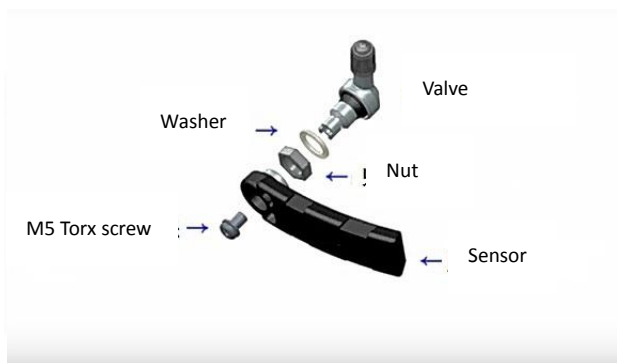


Fig3

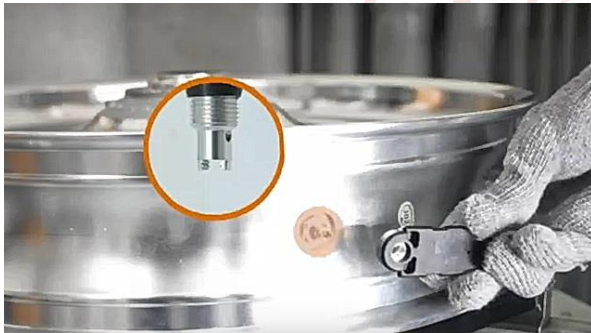
Fig 3. Insert the L-type valve on the valve hole of the rim, face outward and be perpendicular to the rim.



Fig 4. Insert washer, nut onto the valve, tighten nut with 4.5 Nm torque by 14mm socket wrench.



Fig 5. Place the sensor on the valve, please notice the fool-proof fitment. The loose end of the sensor body must point to the direction of wheel rotation (see picture below) and it must not contact the rim surface. Tighten the torx screw with 2 Nm by T20 torx screw driver.



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4.3 Sensor is installed



Note: It should have a gap between sensor and rim after sensor is installed, it



is NOT allowed to make sensor contact with rim surface.

5. TPMS APP Downloading

5.1 Downloading address of APP

You could type keyword “Tire Insight BLE TPMS” to find the free APP.

Or scan the QR code below to install APP.



For updated information, please visit our company web address www.cubautoparts.com

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