MS-2 User's manual

MS-2 English Manual

Thank you for purchasing MS-2 TPMS.

This manual will go through on how to use the TPMS and provide you with detailed product information regarding operation, precautions, and technical data. Please read this manual carefully.

App download and installation / use

A. System Requirement

The tire pressure monitoring system supports both Android 4.3 system and above or iOS7.0 and above, Bluetooth 4.0 and above:

B. Download App

Enter the keyword "Motor TPMS" or "BLE-TPMS" in the App Store or Android Market to download free App software "Bluetooth Tire Pressure Monitoring System"

* Please ensure Bluetooth to be turned on normally after the installation of App

C. First time use

1. Turn of the Bluetooth and turn on the App. The main interface as shown in figure (1) will be displayed.

2. Open App main interface and click, and then connect the wheels ID to the APP. The "Manual Pairing" and "Auto Pairing" as shown in Figure (2) are available

    A. Manual Pairing: open manual binding interface and set up corresponding sensors at the locations as shown in figure (3). For example: "FW" option corresponds to front wheel sensor, click "FW" option and set up front wheel sensor (each sensor has independent ID code, see the specifications page) following the steps. Set up sensors of the rear wheel by the same method, the location which completes setup will display the ID of each sensor

B. Auto Pairing: open the automatic binding interface as shown in figure (4), and click on the unbound tire rate and automatic scanning box, the countdown box will pop up, and then fit the corresponding sensor to the corresponding tire (charging and discharging operations) to complete the binding

3. Return to the main interface after connecting the device, the App will scan automatically, so that the device will obtain corresponding tire data as shown in figure (5). When App scans data is scanned onto the two sensors. If the matching is abnormal, there will be an alarm and voice report will be heard.

figure (1)

figure (2)
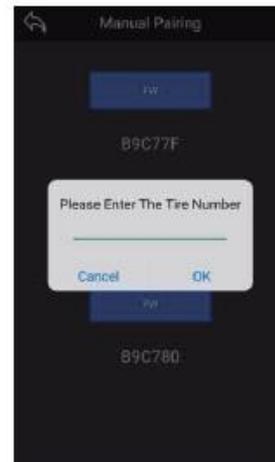
figure (3)

figure (4)

figure (5)

Note: The App interface is subject to update from time to time,Please refer to the instruction of App.

App setting

Open the main interface and click on the top right corner " ⚙ " to open "Setting" to set up sensor system.

Set up interface as shown in the figure (6), please set up and use system according to actual situations.

Languages: Simplified Chinese / Traditional Chinese / English.

Pressure Unit: Bar / Psi / Kpa

Alarm Voice Switch

Alarm Vibration Switch

Pressure-Range: Set the upper limit and lower limit

Temperature-Range: Set the Temperature limit

Restore default Settings

Sensor specification parameters

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Processor: 8 bits MOU/S08	Core: ARMM0
Working voltage: 3V	Sleep current: 2.4uA
Working current: 140uA	Bluetooth working frequency: 2.4GHz
Bluetooth transmission power: 0dBmMAX	Response time: ≤6s
Display mode: App mode	Waterproof degree: IP67
Working humidity: 95%MAX	Tire pressure range: 100- 900kpa
Accuracy of tire pressure: ±10 kPa	Accuracy of tire temperature: ±3℃
Working temperature: -30℃ to+80℃ (External sensor)	Working temperature: -40℃ to+85℃ (Internal sensor)
Storage temperature: -30℃to+85℃ (External sensor)	Storage temperature: -40℃to+85℃ (Internal sensor)
Battery capacity:140mAh(External sensor)	Battery capacity:345mAh(Internal sensor)
Battery life:600days (External sensor, calculated based on 4 hours of driving a day)	Battery life: 2000days (Internal sensor, calculated based on 4 hours of driving a day)
Weight: 8g±1g(External sensor)	Weight: ≤30g (16g of air nozzle not included) (Internal sensor)

A. Components of external sensor

Sensor X 2   Anti-damper ring X 2   Wrench X 1

Tool used for replacing battery X 1

B. Installation of external sensor

Ⓐ First screw anti-thief nut

Ⓑ Tighten sensor

Ⓒ Screw anti-thief nut by anticlockwise to fix sensor

Ⓓ Tighten anti-thief nut by wrench with reverse

* Please safekeeping installation tool (wrench for anti-thief nut),In case of need to remove and install sensors
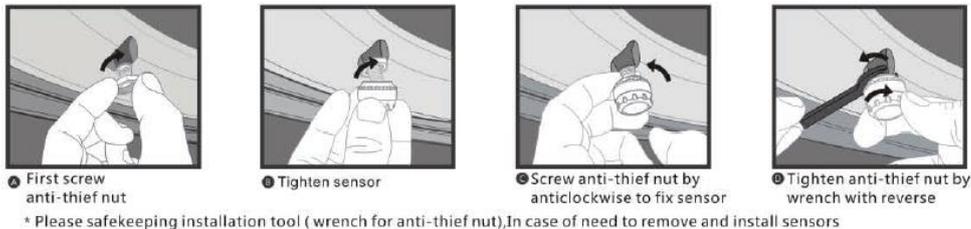
Please replace battery(CR1632, working temperature:-30℃ ~ 85℃) of external sensor in time when heard voice prompt "low power of * tire" and icon of (!) 🔋 is flashing. This battery can be bought from local distributor.**

Ⓐ Remove sensor

Ⓑ Place sensor into special wrench

Ⓒ Open external sensor

Ⓓ Replace CR1632 battery
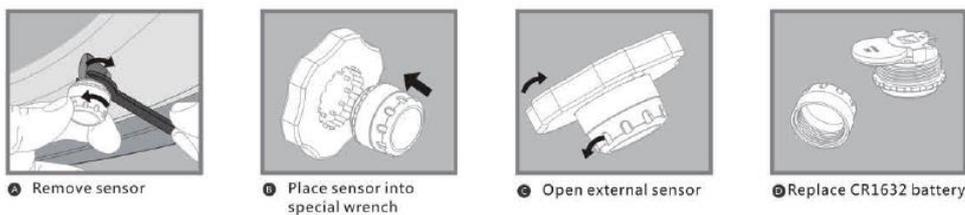
* Remind: Ensure waterproof rubber is in good condition, if there is any damage, please replace new one, when replace battery of external sensor.

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ID code
of sensor:

            FW _____

            RW _____
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Common problems and feedback

Q1: When the App is installed and new ID code is input, no value is displayed on driving interface

A1: TPMS sensor sends data only when the driving speed exceeds 20 km per hour, or the vehicle is started after 11 minutes of parking, or instantaneous tire pressure difference reaches 0.3Bar, it maintains low frequency of data transmission to save energy under normal circumstance.

Q2: When the App is installed and sensor serial number is set up, and the vehicle is started, but no value is displayed

A2: Please restart the phone App and confirm whether the Bluetooth is turned on, data will be received within two minutes under normal circumstance.

Q3: App interface indicates abnormal condition of tire, but no voice prompt is heard.

A3: please confirm whether the voice prompt function of App is turned on or check whether the mobile phone is to be silent mode, or the sound volume is set to the minimum.

Q4: Excessive tire pressure difference found in first installation

A4: After the first installation, air pressure of tire has not been completely passed to the tire pressure sensor, tire pressure will be displayed when the air is distributed

evenly in the tire after the vehicle drives for 5-10min. The situation only happens in first installation.