



## 70mai MDT04 External TPMS Sensor User Manual

[Home](#) » [70mai](#) » 70mai MDT04 External TPMS Sensor User Manual 

### Contents

- [1 70mai External TPMS Sensor User Manual](#)
- [2 Precautions](#)
- [3 Product overview](#)
- [4 Downloading 70mai App](#)
- [5 Binding the sensor](#)
- [6 Sensor installation](#)
- [7 Battery replacement](#)
- [8 Specifications](#)
- [9 Packing list](#)
- [10 The device complies with Part 15 of the FCC Rules](#)
- [11 EU Conformity Statement](#)
- [12 Documents / Resources](#)
- [13 Related Posts](#)

### 70mai External TPMS Sensor User Manual



Please read this manual carefully before using the product and keep it in a safe place.

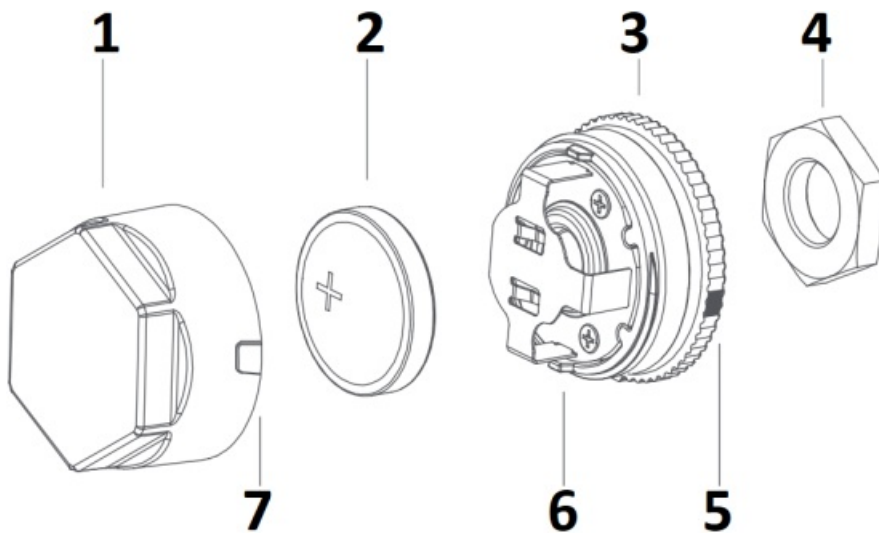
Thank you for purchasing 70mai External TPMS Sensor. This product has to be used with 70mai smart main device, e.g. smart dash cams.

After binding it to the 70mai app and installing it on the tires, the product can monitor the pressure and temperature inside the tires in real time and send the data collected to the smart main device. When the tire pressure or temperature exceeds the threshold value, the smart main device will issue an alert.

## Precautions

1. This product has to be used with 70mai smart main device, e.g. smart dash cams.
2. It is recommended to bind the sensor ID in the 70mai app before installing the sensors on the tires.
3. This product relies on the smart main device to monitor the tire pressure. If the smart main device is turned off, the sensors cannot detect the pressure or temperature of the tires and the smart main device cannot give any alert.
4. Injecting certain chemicals (such as tire sealant, etc.) into the tire will cause damage to the sensor.
5. This product cannot prevent tire leaks or blowouts. Please remember to perform maintenance on your car and check your tires regularly.

## Product overview



1. Case
2. CR1632 battery
3. Anti-slip gear
4. Locknut
5. Base position indicator
6. Base
7. Case position indicator

Note: Illustrations of the product and accessories in the user manual are for reference purposes only. The actual product may differ slightly due to product update and upgrade, please refer to the actual product.

## Downloading 70mai App

Please search for “70mai” in the App Store or scan the following QR code to download and install the app.



## Binding the sensor

1. Refer to the user manual or online guide of the 70mai smart main device and add the smart main device to the 70mai app.
2. Open the 70mai app. Tap the **In-car interconnection** icon on the smart main device plug-in page. In the list of devices, add the tire pressure sensor as a sub-device.
3. Go to the binding sensor page and follow the on-screen instructions to add the sensor ID of the left front wheel, right front wheel, left rear wheel and right rear wheel sensors in order.
4. After adding, according to the page prompts, connect the smart main device's Wi-Fi to complete the sensor binding.
5. After successful binding, the smart main device can receive the data from sensor.

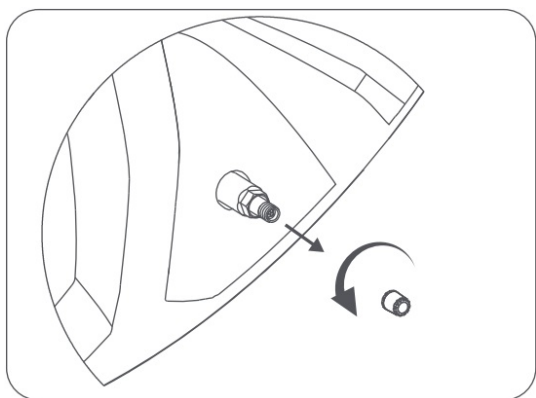
Note: If you have already installed the sensors onto the tires before you try to bind them, follow Step 1 and 2 first. Go to the binding sensor page and select automatic identification. Follow the on-screen instructions and the device will automatically read and add the sensor IDs.



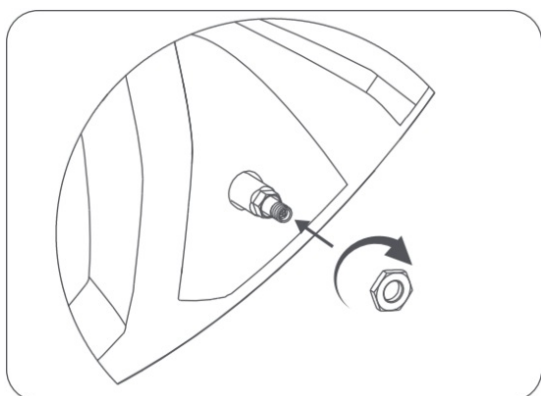
1. Method 1:  
Scan QR code using a mobile device
2. Method 2:  
Manually enter the last 8 digits of the ID, e.g. B201019E
3. LF: left front wheel  
LR: left rear wheel  
RF: right front wheel  
RR: right rear wheel

## Sensor installation

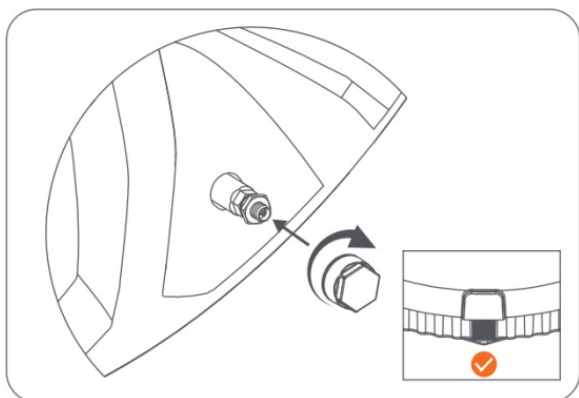
1. Remove the tire valve caps.



2. Screw the locknut onto the nozzle until it reaches the bottom of the thread.

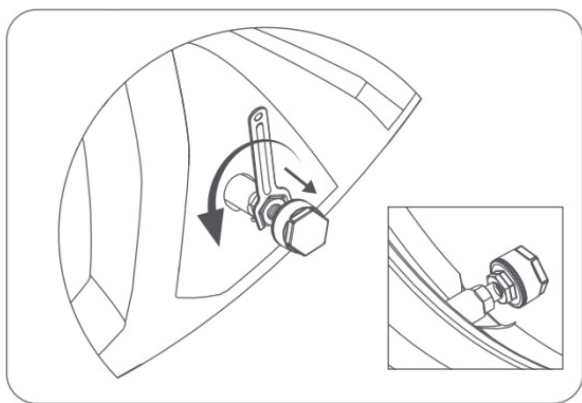


3. Install the sensors onto the tires based on their marking. When installing, hold the anti-slip gear at the base of the sensor. Screw the sensor onto the nozzle thread and tighten it.

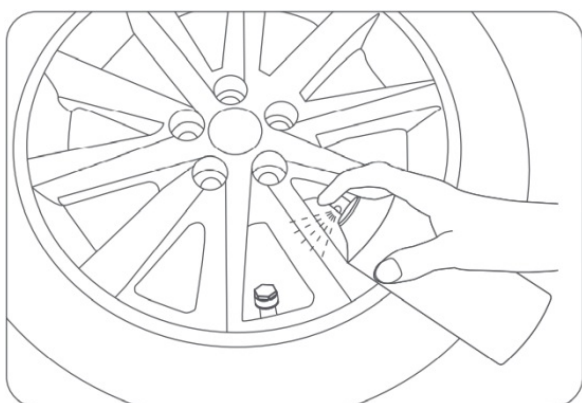


Note: Do not hold the case when tightening the sensor. The position indicator of the case and base should not be misaligned, otherwise it may cause the case to be loosened and the sensor to leak air.

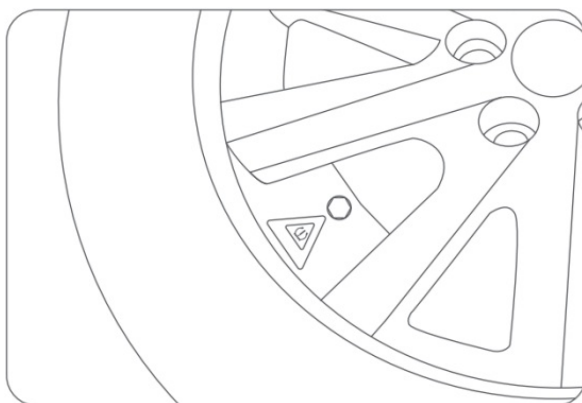
4. Use a wrench to turn the locknut in counterclockwise direction until it is tightly pressing on the sensor.



5. Check the nozzle for sign of air leakage. If there is any leakage, clean the nozzle and tighten all the parts again.

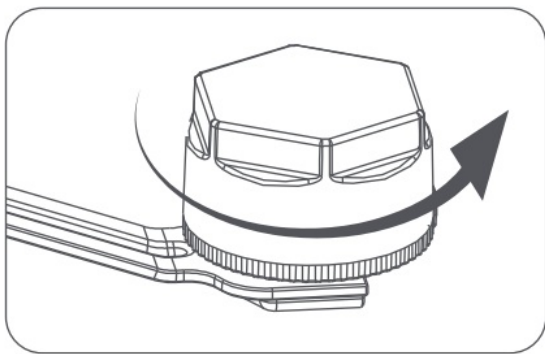


6. Paste the tire pressure warning sticker on the wheel hub corresponding to the nozzle position.

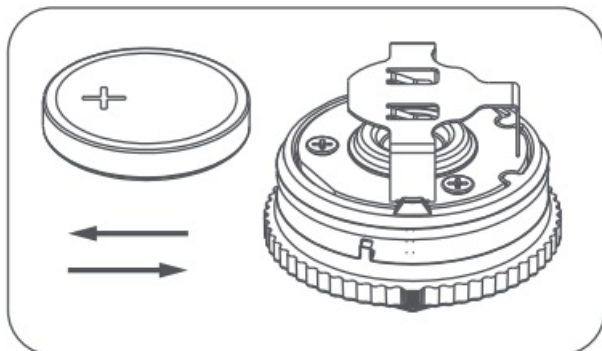


### **Battery replacement**

1. Use a wrench to secure the base. Loosen the case by turning it counterclockwise until it is separately from the base.

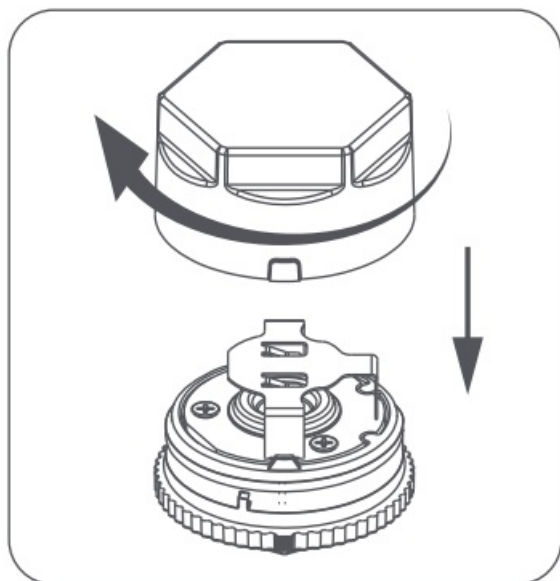


2. Push out the old battery from the side and push the new battery into the battery compartment.

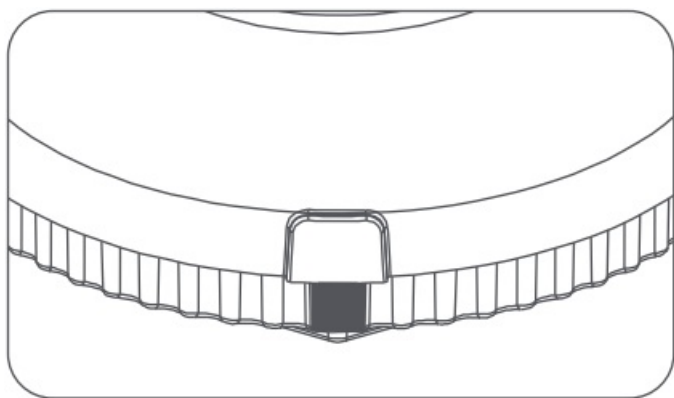


Note: Please use a battery with a wide operating temperature range (-20°C to 80°C). (Model CR1632)

3. Use a wrench to secure the base and tighten the case by turning it clockwise.



4. Tighten until the positioning points of the case and the base overlap, the housing has been screwed into position and the battery replacement is done.



## Specifications

Product name: 70mai External TPMS Sensor

Model: Midrive T04

Working voltage: 2.1 ~ 3.6 V

Emission current: 10 ~ 20 mA

Air pressure range: 0 kPa ~ 700 kPa

Working temperature: -20°C ~ 80°C

Pressure accuracy:  $\pm 5$  kPa (0°C ~ 70°C),  $\pm 10$  kPa (-40°C ~ 0°C, 70°C ~ 125°C)

Temperature accuracy:  $\pm 3$ °C (-20°C ~ 70°C),  $\pm 5$ °C (-40°C ~ 125°C)

Operating frequency: 2.4 GHz

Battery life: 2 years (average of 2 hours of driving a day)

## Packing list

Sensor x 4

Locknut x 4

Wrench x 1

User manual x 1

Tire pressure warning sticker x 4

## The 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

(2) this device must accept any interference received, including interference that may cause undesired operation.

**Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**

## Disposal of Waste Equipment by Users in Private Households in the European Union

This symbol means do not dispose of your product with your other household waste. Instead, you should protect human health and the environment by handing over your waste equipment to a designated collection point for the recycling of waste electrical and electronic equipment. For more information, please contact your household waste disposal service.



## EU Conformity Statement

This product and – if applicable – the supplied accessories too are marked with “CE” and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info) 2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: [www.recyclethis.info](http://www.recyclethis.info)

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2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info) 2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: [www.recyclethis.info](http://www.recyclethis.info)

Service: [help@70mai.com](mailto:help@70mai.com)

For further information, please go to [www.70mai.com](http://www.70mai.com)

Manufactured by: Baolong Huf Shanghai Electronics Co., Ltd.

Address: No. 5500, Shenzhuan Road, Songjiang District, Shanghai, China

Manufactured for: 70mai Co., Ltd.

Address: Room 2220, Building 2, No. 588, Zixing Road, Minhang District, Shanghai, China


<http://www.70mai.com/service/mainland>

[www.70mai.com](http://www.70mai.com)

400-015-2399



## Documents / Resources

	<p><b>70mai MDT04 External TPMS Sensor</b> [pdf] User Manual</p> <p>MDT04, 2AOK9-MDT04, 2AOK9MDT04, MDT04 External TPMS Sensor, External TPMS Sensor, TPMS Sensor, Sensor</p>
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