



Malide  
马力德

MLD-B03 & MLD-R01



使用说明书  
User's Manual

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# 产品介绍

## Product Introduction

马尔德蓝牙胎压监测系统(Malide BLE Tire Pressure Monitoring System,以下简称:Malide TPMS)可实时监测汽车轮胎的胎压与胎温,并可通过App精确显示数值。若胎压胎压发生异常, App会通过语音及警示图标及时向您发出警报。

Malide BLE Tire Pressure Monitoring System (hereinafter referred to as Malide TPMS) can monitor the pressure and temperature of car's tire, and the value can be correctly displayed through App. If the abnormalities occurs on the tire's pressure and temperature, the App will send the alarm to you through the voice and warning icon.

# 注意事项

## Precautions

- 1、使用者应在行车前将传感器与App配对好,切勿在行驶中进行配对,以免造成不必要的财产损失和人员伤亡,否则您将承担所有责任与风险。  
Users should match the sensor and APP before driving, please do not match during the driving to avoid the unnecessary property losses and personal injuries, otherwise, you will undertake the all the responsibilities and risks.
- 2、此产品进行无线信号传输,若无线通信环境特殊、安装方式有误或其他特殊原因,无线信号有可能受到干扰而导致信号衰减或者丢失。  
This product performs the wireless signal transmission. If the environment of wireless communication is special, the installation method is incorrect or there are other special reasons, the wireless signal may be interfered and the signal will be reduced or lost.
- 3、若胎压胎压显示异常,请及时将车辆驾驶到附近维修店进行检查维修,以免发生意外。  
If the temperature and pressure of tire display abnormally, please drive your car to the repair shop where it is closer to you for inspection and repair to avoid the accident.
- 4、当提示电池电量过低时,请及时更换电池或传感器,以免因电量过低导致胎压监测系统不能正常工作。  
When indicate that the battery is too low, please replace the battery or the sensor in time to avoid the abnormal operation of tire pressure detection system due to low battery.
- 5、若因使用气嘴填充的补胎剂或其它外在人为因素而导致传感器不能正常使用,或因导致发生事故,本公司将不承担因此造成的任何责任。  
If the sensor is not used properly due to the use of a gas-filled puncture sealant or other external human factors, or the accident occurs, the company will not bear any responsibility.

## 配件清单

List of Accessories



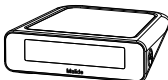
防盗螺母 × 4  
Nut × 4



防拆底盖 × 4  
Bottom Cover × 4



纽扣电池 × 4  
Battery × 4



太阳能语音显示屏 × 1  
Solar Voice Display × 1



传感器 × 4  
Sensor × 4



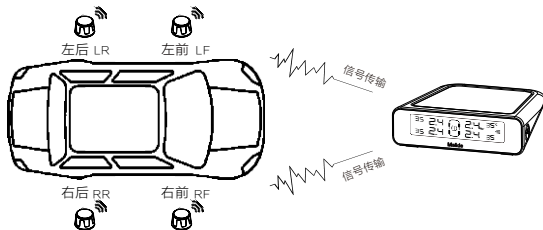
扳手 × 1  
Wrench × 1



充电线 × 1  
Charging Cable × 1

## 装车说明

Instruction for Installation  
on the Car



产品出厂时，已经配置好四个轮胎的传感器及ID码（每套传感器都有独立ID码），只需先将传感器安装至相应的位置轮胎上，即可使用；若想用手机App查看数据，需先把传感器与手机App配对好（配对方法详看“传感器配对步骤”）。

When the product leaves the factory, the sensors and ID codes of four tires have been configured (each sensor has an independent ID code), just need to install the sensor to the corresponding positions of tires, and use it. You need to match the App with sensors first when you want to watch the datas (See the "Matching Procedures for Sensors" for the matching method).

## 安装步骤

### Procedures of Installation



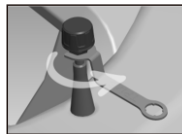
A、拧入防盗六角螺母  
Screw the nuts to the bottom of the valve core



B、拧紧传感器  
Screw the sensors tightly



C、用手将防盗六角螺母逆时针方向拧紧,顶着传感器底部  
Screw the nut anticlockwise by hand



D、用扳手逆时针拧紧防盗六角螺母  
Tighten the nut anticlockwise by wrench

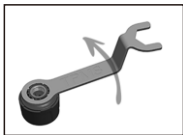
## 更换电池

### Battery Replacement



A、用扳手顺时针方向旋转六角螺母, 将其与传感器分离, 再逆时针方向旋转传感器

Screw the nut clockwise to separate it from the sensor by wrench and then screw out the sensor by hand



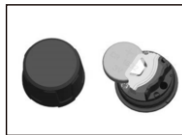
B、取下防拆底盖, 用扳手扣紧传感器, 并逆时针旋转以拆开传感器外壳

Remove the bottom cover and disassemble the case of the sensor by wrench



C、若扳手丢失或损坏, 可将防拆底盖取下并方向扣紧传感器, 逆时针旋转拆开传感器

Or disassemble the case of the sensor by the bottom cover if the wrench is lost



D、取出旧电池并装上新电池 (正极朝上), 最后按照安装步骤重新将传感器安装好

Remove the old battery and install a new one (positive pole upward), then reinstall the sensor according to the Installation steps above

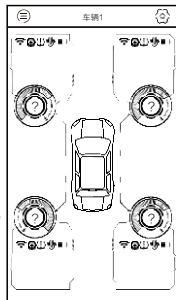
# 传感器配对步骤

## Matching Procedures for Sensors

1. 点击图A主界面右上角设置符号，进行系统设置界面，如图B所示  
Click the symbol in the upper right corner of the main interface of Figure A to enter the system setting interface, as shown in Figure B.
2. 点击“绑定新设备”，进入图C所示界面  
Click "Binding new device" to enter the interface shown in Figure C.
3. 手动匹配：点击需配对的轮胎选框，输入传感器上雕刻的ID再点击即可完成配对  
Manual matching: Click the tire selection box to be matched, input the ID engraved on the sensor and click to complete the matching.
4. QR匹配：点击需配对的轮胎选框进入到扫码状态，扫描传感器外壳上的二维码，扫描成功即可完成配对  
QR matching: Click the tire selection box to enter the scanning code state, scan the QR code on the sensor shell. As soon as the scanning is completed, the matching will be completed.

说明：当传感器与手机配对好时，手机并未能收到数据，需进一步通过手机和太阳能语音显示屏绑定方能收到相关数据。

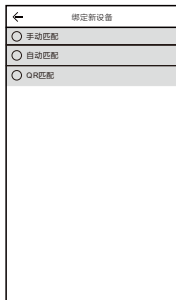
Note: When the sensor is paired with the phone, the phone does not receive the data. The data needs to be received through the binding of the mobile phone and the solar voice display.



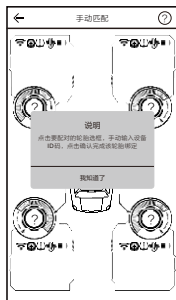
A



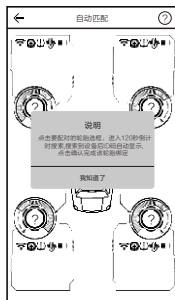
B



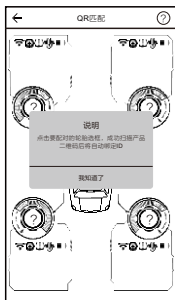
C



D



E



F

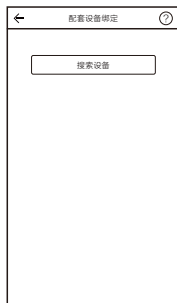
# 太阳能语音显示屏绑定

## Binding of Solar Voice Display

- 1、绑定好所有轮胎的ID码后，点击这界面右上角设置符号进入图A界面；  
After binding the ID codes of all the tires, click the upper right corner of the main interface to set the symbol to enter the interface A.
- 2、进入图B界面后，点击“配套设备绑定”；  
After entering the interface of Figure B, click on "Supporting Device Binding".
- 3、进入图C界面后，点击“搜索设备”以查找太阳能语音显示屏；  
After entering the interface of Figure C, click on "Searching for Device" to find the solar voice display.
- 4、短按按钮开启太阳能语音显示屏，然后长按太阳能语音显示屏按键约5秒，直到显示屏上的"※"标志交替闪烁，此时太阳能语音显示屏进入配对模式；  
Shortly press the button to turn on the solar voice display, then press button for 5 seconds until the token "※" on the display screen flickers. Then the solar voice display enters the matching mode.
- 5、当出现图D中的“MLD\_R01”按键时，点击此按键进行绑定；  
When the "MLD\_R01" key in Figure D appears, click this button to bind.
- 6、当听到“绑定成功”语音且出现图E中的提示框时，太阳能语音显示屏绑定成功，最后点击“我知道了”退出提示框；  
When the "Binding Successful" voice is heard and the prompt box in Figure E appears, the solar voice display is bound, and finally click "I Know" to exit the prompt box.



A



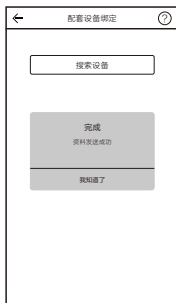
B



C



D



E

# 太阳能语音显示屏说明

## Instruction of Solar Voice Display

### 1、按键说明

Button Description

开机：短按“**⏻**”按键

Turn on: Short press button “**⏻**”

关机：短按“**⏻**”按键约一秒

Turn off: Press the button “**⏻**” for about a second

进入配对模式：长按按键“**⏻**”约五秒并等显示屏信号“\*”标志闪烁

Enter pairing mode: Press the button “**⏻**” for about five seconds and wait for “\*” in the display to flicker.

### 2、显示屏功能说明

Function Description of Display

#### (1)胎压过低警报

Low Pressure Alarm



当胎压低于1.9Bar，“语音警报”左前（左后/右前/右后）轮胎气压过低”将会播放，显示屏对应的轮胎胎压数据会一直闪烁。

When tire pressure is below 1.9 Bar, the voice alarm “left front (left rear / right front / right rear) tire pressure is too low” will be played, and the TPMS data corresponding to the display screen will flicker.

#### (2)胎压过高警报

High Pressure Alarm



当胎压高于2.8Bar，“语音警报”左前（左后/右前/右后）轮胎气压过高”将会播放，显示屏对应的轮胎胎压数据会一直闪烁。

When tire pressure is higher than 2.8 Bar, the voice alarm “left front (left rear / right front / right rear) tire pressure is too high” will be played, and the TPMS data corresponding to the display screen will flicker.

#### (3)胎温过高警报

High Temperature Alarm



当胎温高于65℃，“语音警报”左前（左后/右前/右后）轮胎温度过高”将会播放，显示屏对应的轮胎胎温数据会一直闪烁。

When tire temperature is higher than 65℃, the voice alarm “left front (left rear / right front / right rear) tire temperature is too high” will be played, and the TPMS data corresponding to the display screen will flicker.

#### (4)快速漏气警报

Fast Leak Alarm

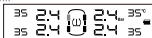


当轮胎发生快速漏气，语音警报“左前（左后/右前/右后）轮胎漏气”将会播放，显示屏对应的轮胎胎温数据会一直闪烁。

When the tire fast leaks, the voice alarm “left front (left rear / right front / right rear) tire leakage” will be played, and the tire temperature data corresponding to the display screen will flicker.

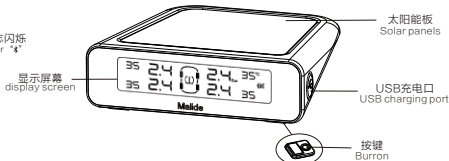
#### (5)发射端电量过低警报

Sensor Battery Alarm



当发射端电量过低时，语音警报“左前（左后/右前/右后）轮胎电量过低”将会播放，显示屏对应的轮胎会一直闪烁。

When the Sensor battery is too low, the voice alarm “left front (left rear / right front / right rear) tire battery is too low” will play, the tire corresponding to the display will flicker.



#### (6)显示屏电量过低警报

Display Battery Alarm



当显示屏电量过低时，显示屏上的电量标志“**⏻**”会一直闪烁。

When the display battery is too low, the battery token “**⏻**” on the display will flicker.

#### (7)进入配对模式

Enter Pairing Mode



当长按显示屏按键5秒左右进入配对模式，显示屏的信号标志“\*”将会闪烁。

When the display button is pressed for about 5 seconds to enter the pairing mode, the signal token “\*” of the display will flicker.

#### (8)太阳能充电模式

Solar Energy Charging Mode



当显示屏进行太阳能充电时，显示屏上的太阳标志“\*”保持常亮，电池标志“**⏻**”显示充电状态。

When the display is solar-charged, the sun token “\*” on the display remains steady and the battery token “**⏻**” is displayed charge status.

#### (9)USB充电模式

USB Charging Mode



当显示屏进行USB充电时，显示屏上的电池标志“**⏻**”显示充电状态。

When the display is USB charging, the battery token “**⏻**” on the display shows the charging status.

说明：当TPMS存在某一轮胎或多个轮胎出现胎压或胎温异常时，显示屏的汽车标志上的胎压标志“**⏻**”将会一直闪烁并进行相关显示和语音播放。当所有轮胎的胎压胎温正常时，显示屏将会播放“胎温胎压正常，祝您一路平安！”并显示相关实时数据。

note: When TPMS has abnormal tire pressure or tire temperature in one or more tires, the tire pressure token “**⏻**” on the display screen will flicker and display data and voice play. When the tire pressure and temperature of all tires is normal, the display will play “Tire pressure and temperature are normal, have a nice trip!” and display relevant real-time data.

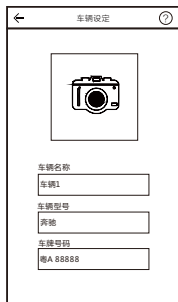
# App更多功能介绍

## Introduction for more APP functions

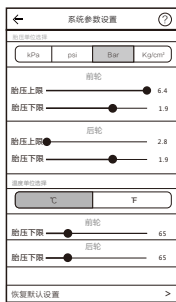
- 1、在系统设置界面中，点击“车辆设定”进入到车辆设定界面，如图A所示，您可以对车辆图片、车辆名称、车辆型号和车牌号码进行设定。  
In the setting interface of system, click the vehicle setting to enter the setting interface of vehicle as shown in Figure A, you can set the picture, name and type of vehicle as well as license numbers.
- 2、在系统设置界面中，点击“系统参数设置”进入到系统设置界面，如图B所示，您可以根据实际情况对前后轮的胎压胎压范围进行定义，也可更换显示单位或者恢复默认设置。  
In the setting interface of system, click "System Parameter Setting" to enter the setting interface of system parameter as shown in Figure B, you can either define the temperature and pressure range of the front and tires according to the actual situation, or can replace the display unit or restore the default settings.
- 3、在系统设置界面中，点击“调胎设定”进入到调胎设定界面，如图C所示，您可以根据实际传感器位置进行显示框换位（可点击右上角的说明符号进行换位操作学习）  
In the setting interface of system, click "Setting of Tire Adjustment" to enter the setting interface of tire adjustment as shown in Figure C, you can change the display frame according to the actual sensor position. (You can click on the instruction symbol in the upper right corner to learn the transposition operation)
- 4、在系统设置界面中，点击“帮助”进入到帮助界面，如图D所示，此处您可以查看设备安装说明及App使用说明。  
Click "Help" in the setting interface of system to enter the help interface as shown in Figure D. Here you can view the installation instruction of equipment and the use instruction of App.

说明：语音显示屏的相关参数通过手机App修改设置。当每次进行系统参数设置、调胎设定、传感器绑定更新操作后，需重新绑定语音显示屏以更新设置。

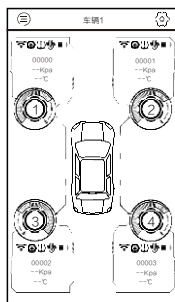
Note: The relevant parameters of the voice display are modified by the mobile phone App. After setting system parameter, setting tire adjustment, or updating sensor binding operation, you need to rebind the voice display to update the settings.



A



B



C



D

# 规格参数

## Specifications

| 项目<br>Item                                     | 参数<br>Parameter                                             |
|------------------------------------------------|-------------------------------------------------------------|
| 工作电压<br>Working Voltage                        | 2.4V~3.3V                                                   |
| 睡眠电流<br>Sleeping Current                       | <3.0uA                                                      |
| 存放温度<br>Storage Temperature                    | -40℃~85℃                                                    |
| 工作温度<br>Working Temperature                    | -40℃~85℃                                                    |
| 工作湿度<br>Working Humidity                       | 95%(MAX)                                                    |
| 工作频率<br>Working Frequency                      | 434Mhz                                                      |
|                                                |                                                             |
| 胎压监测范围<br>Monitoring range of tire pressure    | 0~640kpa(0~6.4Bar)                                          |
| 胎温监测范围<br>Monitoring range of tire temperature | -40℃~80℃                                                    |
| 电池容量<br>Battery Capacity                       | 140mA(CR1632)                                               |
| 电池使用寿命<br>Service Life Of Battery              | 约二年(按每天行驶四小时)<br>About 2 years (Driving four hours per day) |
| 重量<br>Weight                                   | 8.8g ± 0.5g                                                 |

# 常见问题及解决方法

## Common Problems And Solutions

### 1、刚配好传感器或者打开App后，主界面无数据显示。

首先确定是否绑定好显示屏。传感器只有在刚装电池的20分钟内、行车速度超过20码、停车10分钟内、轮胎气压瞬间变化超过30kPa或者轮胎转动超过20秒时，才会发送数据，其他时间处于睡眠状态，睡眠状态不发送数据，因此接收端也不会接收到数据。

After the sensor is just matched or the App is opened, there is no data display on the main interface.

First determine if the display is bound. And the sensor will only send data in the following situation:

①Within 20 minutes after the battery is installed; ②The driving speed exceeds 20 yards; ③The parking time is within 10 minutes;

④The tire pressure changes instantaneously more than 30 kPa; ⑤The tire rotates for more than 20 seconds.

When the other time is in the sleeping state, the data will not be sent in sleeping state, so the receiver will not receive the signal.

### 2、App没有语音播放。

检查App系统设置界面中“语音提醒”是否处于打开状态;检查手机是否处于静音状态或音量较低状态。

No voice broadcast from the App.

Check if the voice alert is on in the setting interface of system; check if the phone is muted or the volume is low.

### 3、太阳能语音显示屏没有声音

确认语音显示屏是否已经完成绑定；无异常时语音显示屏不会播放。

No sound in the solar voice display.

Confirm that the voice display has completed the binding; the voice display will not broadcast if there is no abnormality.

## 产品保修

### Warranty

非常感谢您对本公司的支持，本产品自购买之日起将有一年的保修期。在保修期间，若产品在正常使用情况下出现质量问题导致无法正常使用，本公司将承担产品维修或更换责任，提供维修或更换的产品需满足以下条件：

- 产品质量问题的原因是出厂的不良品；
- 产品按照正常的使用方法；
- 产品未经不正当拆解；
- 需维修或更换的产品需提供给购买的商家，并说明损坏原因和购买日期。

Thank you very much for supporting our company. This product will have one year warranty from the date of purchase. During the warranty period, if the product fails to function properly due to quality problems under normal use, the company will be responsible for the repair or replacement of product. Products that are repaired or replaced must meet the following conditions:

- The cause of product quality problems is defective products from the factory;
- The product is in accordance with normal usage methods;
- The product has not been improperly dismantled;
- If the product need to be repaired or replaced, they need to be sent to the merchant and explained the reasons of damage and purchase date.

# FCC Statement

-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.
- Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.
- 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.

## -RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.



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