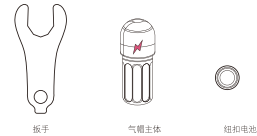


一. 确认配件



二. 安装Tireo APP并绑定设备

1. 安装Tireo app

- 1.1. 安卓系统APP下载安装方式如下：
浏览器扫码下载安装。
各大应用市场搜索“Tireo”下载安装。
Google play搜索“Tireo”下载安装。

- 1.2. IOS系统请在Apple Store搜索“Tireo”
下载安装。



2. Tireo APP中绑定设备

- 2.1. 打开APP会自动识别当前设备蓝牙是否开启，若未开启则会出现弹窗提示，
点击允许即可开启蓝牙。
- 2.2. 进入界面后点击右上角设置 。
- 2.3. 确认当前气帽主体处于【未安装电池】状态。
- 2.4. 点击  蓝牙 进入前轮绑定界面。
- 2.5. 这时需要立即【只有10秒的有效时间】将电池沿着主板预留的电池槽平行塞入【**电池正极朝上**】。
- 2.6. APP扫描到设备后会自动连接。
- 2.7. 连接成功后APP会自动跳转到主界面并显示前轮数据。
- 2.8. 此时可以将气帽主体的帽子拧紧再拧入自行车的前轮。
- 2.9. 绑定后轮气帽，步骤同前轮参照步骤2.1-2.8。

3. Tireo APP设备解除绑定

- 3.1. 进入主界面点击设置 。
- 3.2. 进入设置界面，点击  蓝牙 选择要解绑的前轮或后轮，点击确认。
- 3.3. 完成解绑。

三. 安装Garmin码表软件及绑定设备

1. 支持Garmin码表的型号

Edge® Explore2 Edge® 840 / Edge® 840 Dual Power Edge® 830
Edge® 540 / Edge® 540 Dual Power Edge® 530 Edge® 1050
Edge® 1040 Edge® 1030 Plus / Edge® 1030, Bontrager,

2. 安装码表软件

- 2.1. 电脑安装APP: 请前往Garmin官网下载 Garmin Express。
- 2.2. 使用 USB/数据线将设备连接到计算机。
- 2.3. 打开 Garmin Express，系统回自动搜索设备，点击添加设备。
- 2.4. 登录账号，码表添加成功。
- 2.5. 选择对应的码型号表就会进入安装程序界面。

- 2.5. 选择 IQ应用程序 。
- 2.6. 界面右下角选择 获取更多应用程序 。
- 2.7. 选择需要安装的应用TireoFront和TireoRear ，点击下载。

- 2.8. 点击下载后会弹出选择设备页面，点击确认设备。
- 2.9. 安装成功后返回主页，看到两个应用程序，表示安装成功。

3. Garmin码表绑定设备

- 3.1. 关闭手机蓝牙，确保APP与设备断开连接。
- 3.2. 手动取下气帽设备电池。
- 3.3. 进入骑行界面，选择公路骑行  公路骑行。
- 3.4. 点击确认按键后出现码表界面，然后继续长按确认键，进入编辑界面。
- 3.5. 按加或减按键，选择胎压显示位置，
连续按2次确认键进入类别界面（不同码表进入类别界面方法不同）。

- 3.6. 下滑页面找到Connect IQ  并点击完成编辑数据栏。
- 3.7. 点击确认键进入Connect IQ界面点击选择前轮胎压 。

- 3.8. 进入前轮胎压界面，短按确认键。
- 3.9. 按返回键至胎压显示界面。
- 3.9. 将电池放入前轮气帽设备后，第一次绑定成功会出现界面 **tsTPMS将使用开放连接**

- 3.10. 按确认键即可。码表绑定成功时界面左上角显示  前轮 0 PSI。
- 3.10. 码表连接后轮设备，步骤参照1到9。

4. 码表解除设备

- 4.1. 短按确认键（不需要长按），进入页面找到配置与字段  6 数据栏，按确认键。
- （不同码表进入控制项网页界面方法不同）。

- 4.2. 找到Connect IQ数据 ，按确认键。
- 4.3. 进入解绑页面，选择解绑前轮或者后轮，按确认键解绑。
- 4.4. 出现“已解除绑定”字样表示解绑成功，返回胎压显示页面。
- 4.5. 解绑后轮，步骤参照1到4。

四. 注意事项

1. APP初次连接失败的解决方法

由于APP搜索的实效只有10秒，在第一次未搜索到设备或者出现连接失败时，需要将设备电池重新取下，间隔20秒，下拉页面刷新设备并同时 will 电池放入设备。

2. APP与设备断连的解决方法

首先确保手机蓝牙处于开启状态，若还是无法连接可尝试以下方法：

- 2.1. 将设备拧入自行车气嘴上，并保持速度不低于10Km/h，时间不低于20秒骑行，即可连接上APP。
- 2.2. 将设备电池取下并间隔20秒后再次装入，APP即可显示连接。
- 2.3. 若是退出APP或者将APP挂在手机后台运行导致设备断联，需要去手机设置界面手动开启APP后台运行权限，保持APP能够一直运行。

3. Garmin码表与手机APP不可同时连接设备

本设备不支持同时连接码表 and 手机APP，若是连接码表就需要手动关闭手机蓝牙，若是连接手机APP就需要手动将码表关机。

4. Garmin码表初次连接成功后，再次连接显示无法连接时：

- 4.1. 将设备拧入自行车气嘴上，并保持速度不低于10Km/h，时间不低于20秒骑行，即可连接码表。
- 4.2. 将设备电池取下，间隔20秒后再次装入，即可连接码表。

5. Garmin码表解绑后，建议不要交叉绑定原有的前后轮气帽设备

例如：前轮绑定设备A,后轮绑定B,前后轮都解绑后，不要B设备绑定前轮，设备A绑定后轮；

如果这样操作会导致码表连接不上或者连接上了但是不显示气压值等问题。

6. Edge 1050码表使用请注意以下事项

- 6.1. 绑定设备时点击骑行  Training my peaks，在需要显示胎压的位置，触屏长按，出现  界面时，在点击一下边框里面的铅笔 。即可进入类别页面。
- 后续绑定设备步骤参照说明书中绑定设备。
- 6.2. 解绑码表时：设备在显示屏顶部下划后选择 ，进入控制项页面。
- 后续绑定设备步骤参照说明书中绑定设备。

7. 本设备只支持自行车的法嘴气嘴，暂不支持美嘴气嘴

8. 设备连接后无法读取气压时

建议气嘴头螺帽拧到头，如图所示。



9. 码表软件下载及安装教程网址



佳明官方



安装教程

五. 设备参数

工作电压	2.5V~3.3V
工作电流	≤5mA（发射模式）
电池CR1O25	30mAh
重量	6.1g
气压测量精度	±1.5PSI/0.1Bar
输出功率	-20~+4dBm
工作温度	-20~80℃
外观尺寸	Ø13.5*31.5mm
气压测量范围	0~150PSI/0~10.3Bar
防水等级	IPX9

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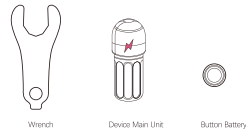
User Manual



TPMS T1

Tire pressure monitoring system

A. Confirm Accessories



B. Install Tireo APP and Bind the Device

1.Install Tireo APP
1.1. For Android Systems:
Download and install the APP via the following methods:Scan the QR code with a browser to download and install.Search for "Tireo" in major app stores to download and install.Search for "Tireo" on Google Play to download and install

1.2. For iOS Systems: Search for "Tireo" in the Apple Store to download and install.



2.Bind the Device in Tireo APP
2.1. Open the APP; it automatically detects your device's Bluetooth status.
If Bluetooth is off, a pop-up appears—click Allow to enable it.
2.2. After entering the interface, click the settings in the upper right corner.
2.3. Ensure the main body of the valve cap is in the **battery-uninstalled state**.
2.4. Click **蓝牙** to enter the front wheel binding interface.
2.5. **Immediately (10s valid only)**: Insert the battery in parallel into the reserved slot on the mainboard, **positive terminal up**
2.6. The APP will automatically connect after scanning the device.
2.7. Upon successful connection, the APP automatically jumps to the main interface and displays front wheel data.
2.8. Now, you can tighten the cap of the valve cap main body and then screw it into the front wheel of the bicycle.
2.9. Bind rear wheel valve cap: Follow Steps 2.1–2.8

3.Unbind the Device from Tireo APP
3.1. Enter the main interface and click the settings in the upper right corner.
3.2. Enter settings, click **蓝牙**, select front/rear wheel to unbind, click Confirm.
3.3. Unbinding is completed.

C. Install Garmin Cycling Computer Software and Bind Device

1.Supported Garmin Cycling Computer Models
Edge® Explore2 Edge® 840 / Edge® 840 Dual Power Edge® 830
Edge® 540 / Edge® 540 Dual Power Edge® 530 Edge® 1050
Edge® 1040 Edge® 1030 Plus / Edge® 1030,Bontrager ,

2.Install the Cycling Computer Software
2.1. Computer setup: Download Garmin Express from Garmin's official site.
Connect device to computer via USB/data cable.
2.2. Open Garmin Express—system auto-searches for device. Click Add Device.
2.3. Log in; cycling computer added successfully.
2.4. Select corresponding model to enter installation interface.
2.5. Select "IQ Applications" **IQ 应用程序** .
2.6. In lower right, select "Get More Applications" **获取更多应用程序** .
2.7. Select apps to install TireoFront, TireoRear , click Download.
2.8. Confirm device on pop-up after clicking "Download".
2.9. Return to homepage; 2 apps indicate successful installation.

3.Bind Device to Garmin Cycling Computer

3.1. Turn off phone Bluetooth , ensure APP is disconnected.
3.2. Manually remove battery from valve cap device.
3.3. Enter cycling interface; select Road Cycling **公路骑行** .
3.4. Click Confirm—cycling computer interface appears. Hold Confirm to enter edit interface.
3.5. Press +/- to select tire pressure display position. Press Confirm twice to enter category interface (varies by model).
3.6. Scroll down, find "Connect IQ" **Connect IQ 0/10** , click to finish data bar editing.
3.7. Click Confirm to enter Connect IQ; select Front Tire Pressure .
Short-press Confirm in front tire pressure **前轮胎压** interface.
3.8. Press Back to return to tire pressure display interface.
3.9. Insert battery into front wheel valve cap — **tsTPMS将使用开放连接** appears on first binding. Press Confirm. (Success: shows in upper left.)

4.Unbind Device from Cycling Computer

4.1. Short-press Confirm (no long press). Find "Configuration & Fields" **配置与字段 数据栏** , click Confirm (varies by model).
4.2. Find "Connect IQ Data" **Connect IQ 数据** , click Confirm.
4.3. Enter unbinding page, select front/rear wheel, click Confirm to unbind.
4.4. "Unbound Successfully" indicates completion; return to tire pressure display.
4.5. Unbind rear wheel: Follow Steps 1–4.

D. Precautions

1. Initial APP Connection Failure
APP search is valid for 10 seconds. If connection fails: Re-remove battery, wait 20s, pull down to refresh, then reinsert battery.

2.APP-Device Disconnection
First, ensure phone Bluetooth is on. If still disconnected:
2.1. Screw device to valve; ride ≥10Km/h for ≥20s to reconnect.
2.2. Remove battery, wait 20s, reinsert—APP connects.

2.3. If disconnected from background/App exit: Enable APP background permission in phone settings.

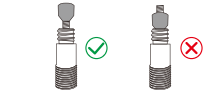
3.No Simultaneous Connection
Device doesn't support cycling computer + APP connection.
Connect to cycling computer: Turn off phone Bluetooth ; Connect to APP: Turn off cycling computer.

4.Post-Initial Connection Failure (Garmin)
4.1. Screw device to valve; ride ≥10Km/h for ≥20s to reconnect.
4.2. Remove battery, wait 20s, reinsert—cycling computer connects.
5. No Cross-Binding After Unbinding
E.g.: Front wheel = Device A, Rear wheel = Device B. After unbinding, don't bind B to front/ A to rear —may cause connection failure or no pressure display.

6. Edge 1050 Notes
6.1. Binding: Click Cycling **Training my peaks** . Long-press touchscreen at pressure display.
When **0:00** appears, click pencil to enter category page. Follow binding steps above.

6.2. Unbinding: Swipe down from screen top, select **配置与字段 数据栏** to enter control page. Follow unbinding steps above.

7.Only supports bicycle Presta Valves; Schrader Valves not supported.
8.No Pressure Reading After Connection
Screw valve cap nut fully tight (see figure).



9.Software Download Tutorial



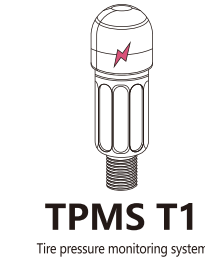
E. Equipment parameters

Operating Voltage	2.5V~3.3V
Operating Current	≤5mA (Transmit Mode)
Battery	CR1O25 30mAh
Weight	6.1g
Tire Pressure Accuracy	±1.5PSI/0.1Bar

Output power	-20~+4dBm
Operating Temperatur	-20~80℃
Overall Dimension	Ø13.5×31.5mm
Tire Pressure Range	0~150PSI/0~10.3Bar
Waterproof Rating	IPX9

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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.