STEELMATE

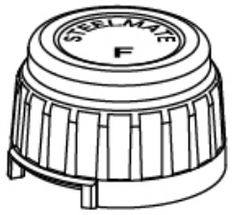
TB1

Smart Tire Pressure Monitoring System for Motorcycle

User Manual

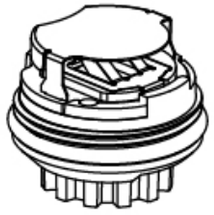
Includes

Sensor cover

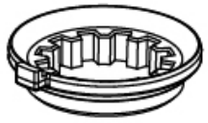


Battery

Sensor body

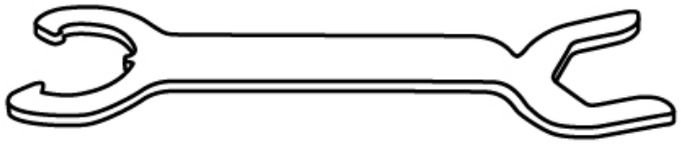


Washer



Nut

Spanner



For the sensor cover

For the nut

Please keep it in vehicle carefully

APP download

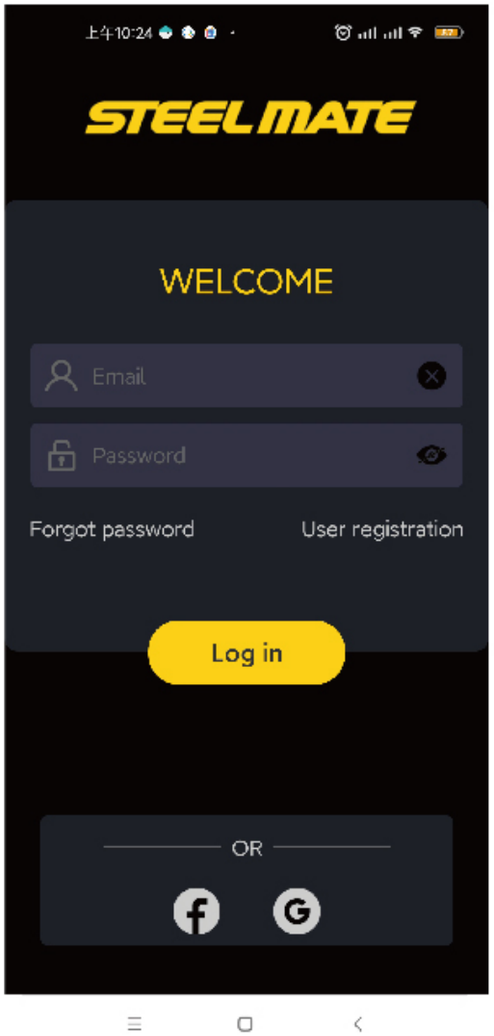
APP can be downloaded in the following three ways:

- Scan the QR code
- Search the “STEELMATE Connect” in Google Play
- Search the “STEELMATE Connect” in APP Store

Log in

Follow the steps to install the TPMS APP:

- Open the APP in your smartphone and click “User registration”
- Enter your email address and password, then click “Registration”
- Receive an activation email and click on the activation link
- After activated, go back the APP and log in by entering your email address and password
- Enter APP's home screen



Notes:

- Please ensure the internet is working in the process.
- Facebook email account and Google email account can be directly used for signing in.

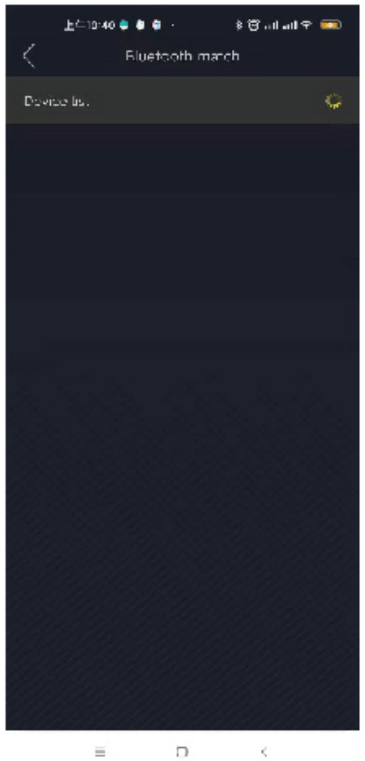
Setup between sensor and app

Follow the steps to pair the sensors to the TPMS APP:

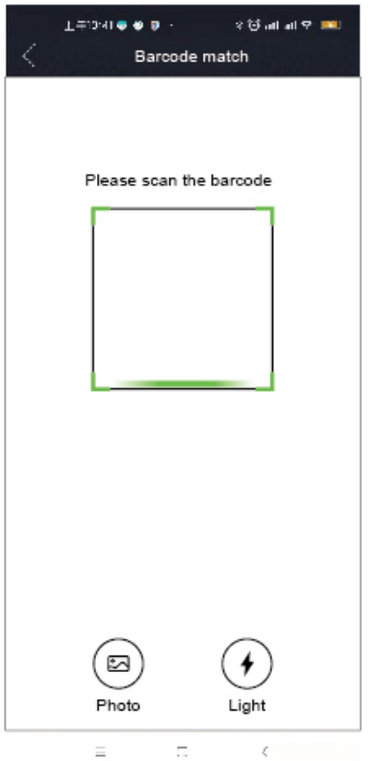
- Turn on GPS
- Open the APP in your smartphone
- Click the “+” icon on APP's home screen
- Choose the product model “TB1”, then select your vehicle type
- Enter the name for identification
- Click Front or Rear to pair the corresponding sensor
- Three options can be applied to pair the sensors
  -Option 1: Enter SN number which is on the sensor
  -Option 2: Turn on Bluetooth connection, then deflate the tire, please make sure your smartphone and the corresponding sensor is near the deflating tire for reception of the signal, after the SN number appears on the screen, then click on the SN number to save the current data. (*Do not install the sensors before pairing completed.)
  -Option 3: Scan the bar code which is on the sensor.
- After the pairing is completed, all information will be shown on the screen
- Click “Save” and start to use the device

Pairing options

Options 1: Enter SN number



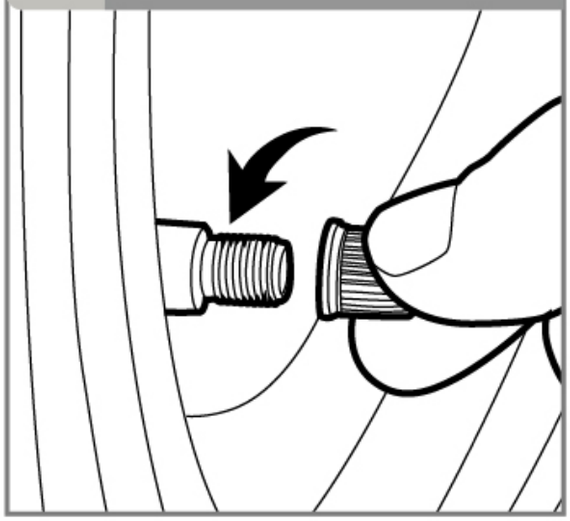
Options 2: Through Bluetooth connection



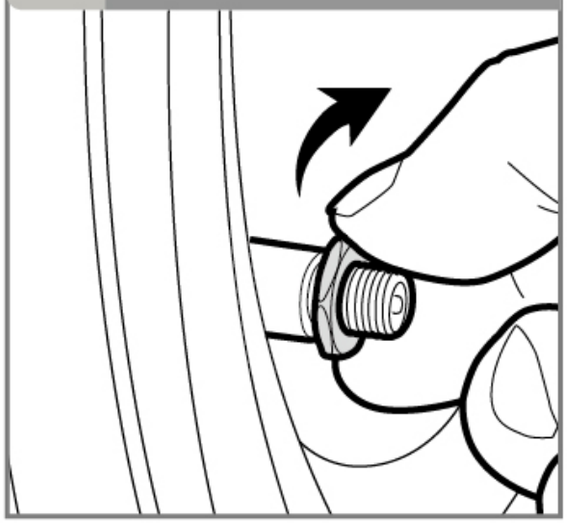
Options 3: Scan barcode

Sensor installation

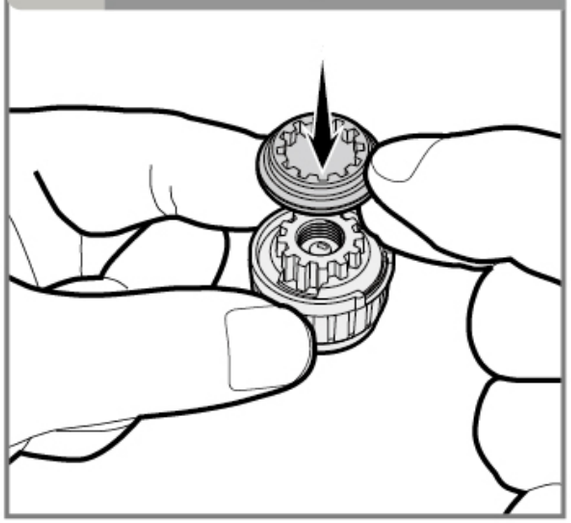
1 Unscrew the valve cap



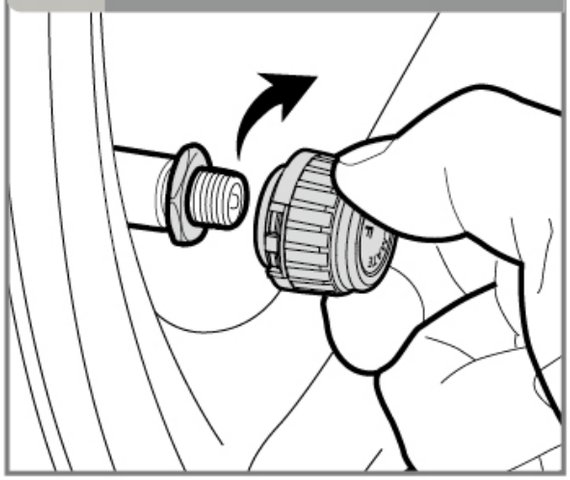
2 Screw in the nut



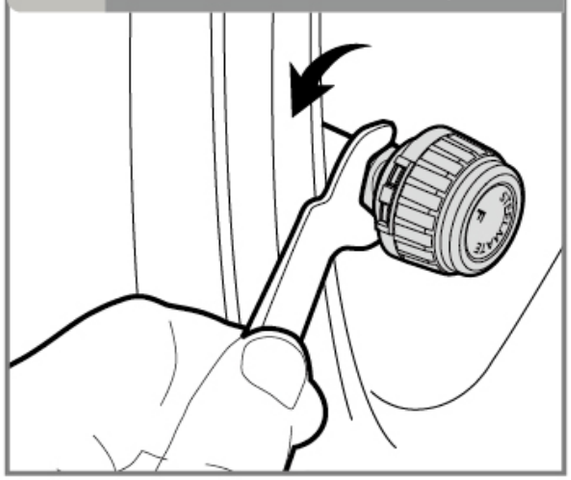
3 Put the washer on the sensor body



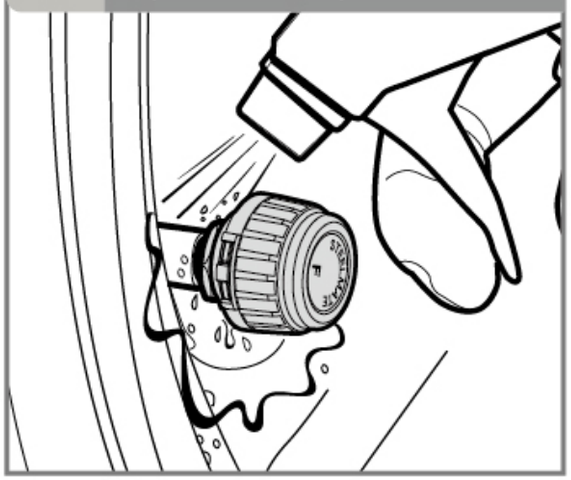
4 Screw on the sensor



5 Tighten up the nut to the sensor by using the spanner

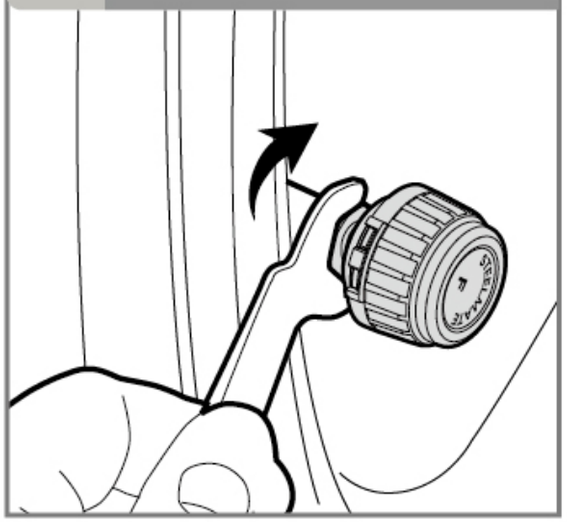


6 Check air leakage by spraying soapy water

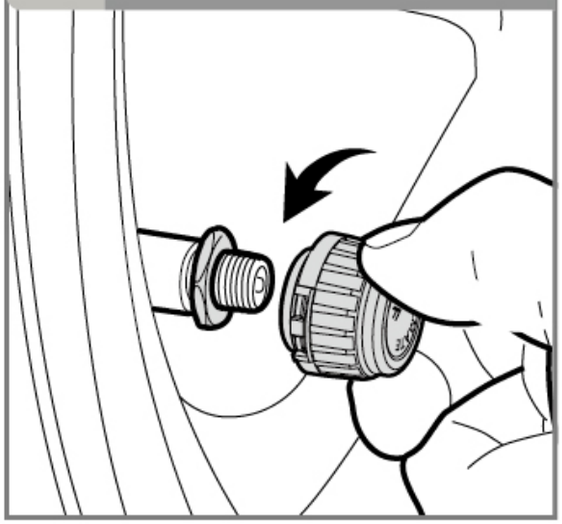


Sensor battery replacement

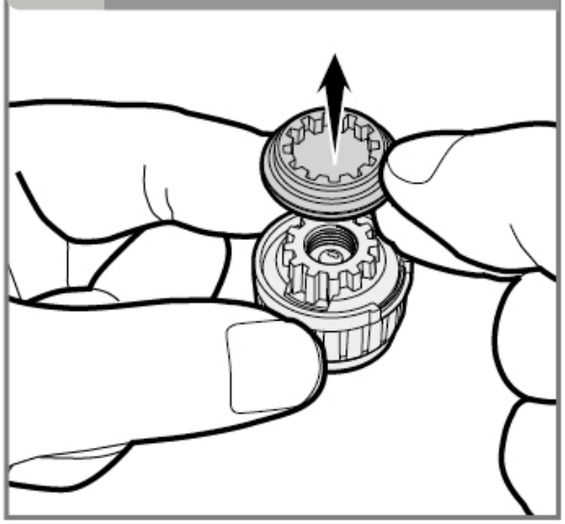
1 Unscrew the nut



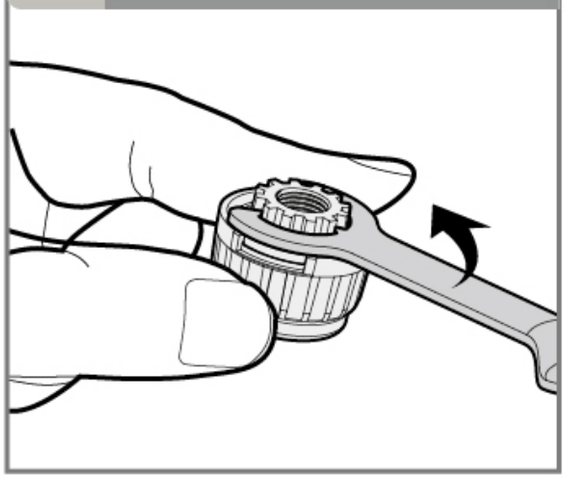
2 Unscrew the sensor



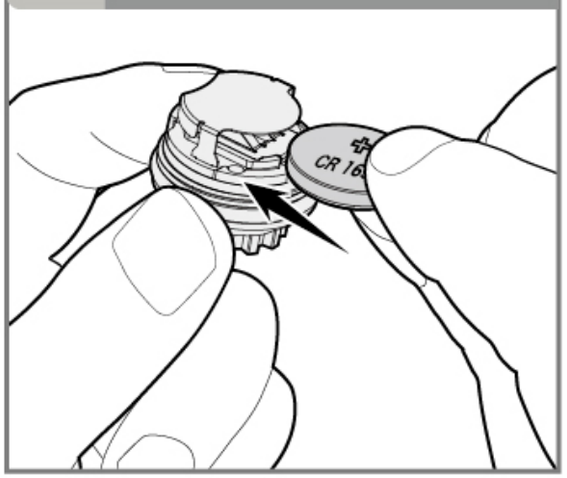
3 Take out the washer



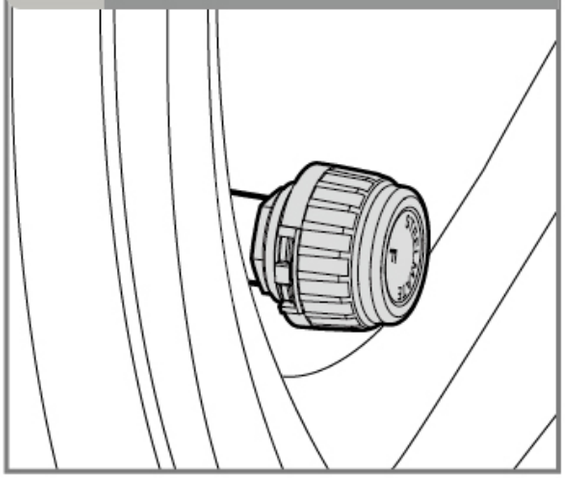
4 Unscrew the sensor cover by the spanner



5 Replace new battery

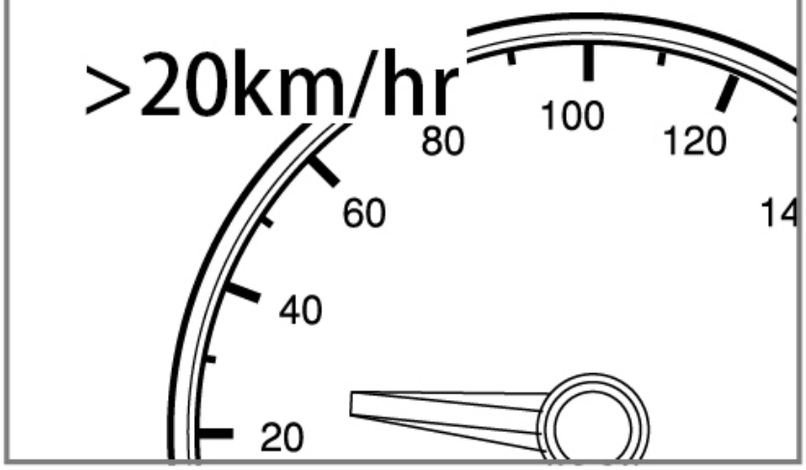


6 Repeat steps in “Sensor installation”

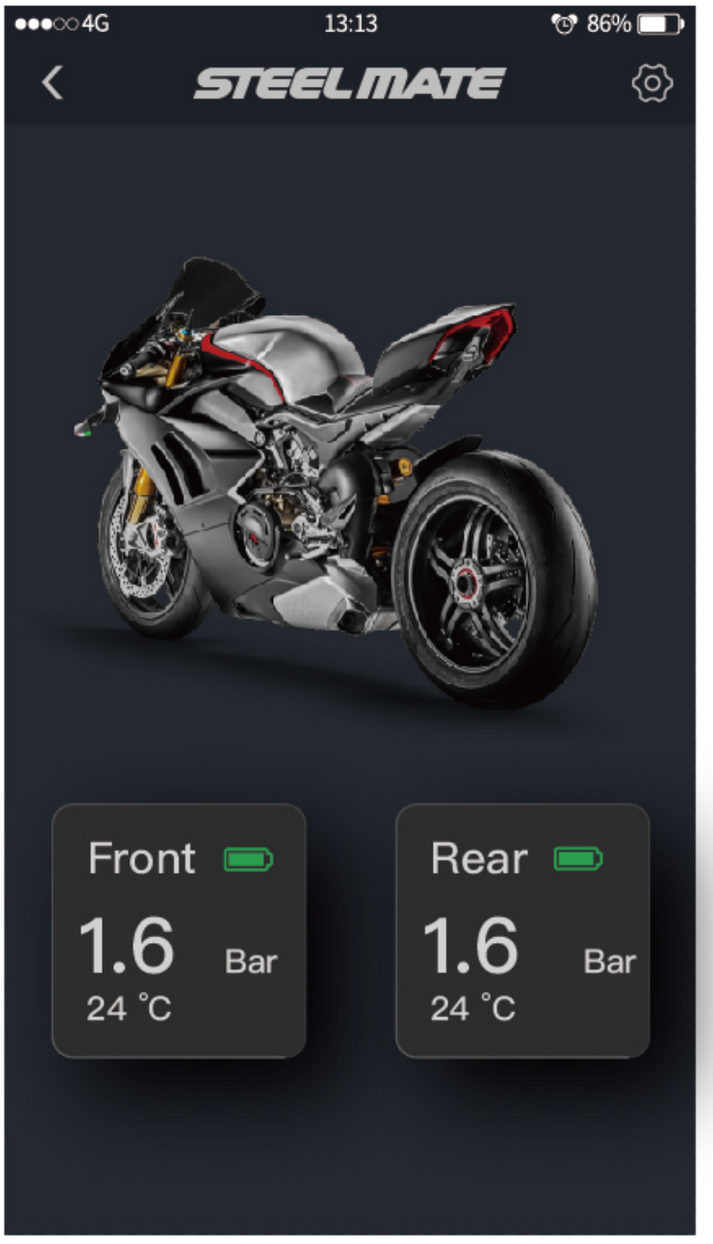


Functional test after installation

1 Recorder will show real-time tire data automatically when the speed is over 20km/h



2 Installation is done once 2 tires data are received and shown at the same time



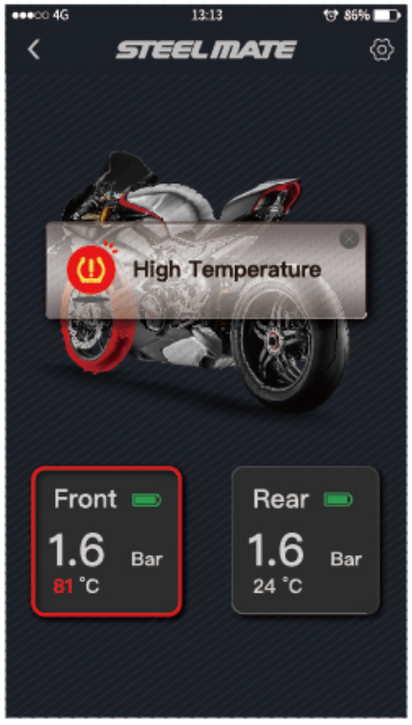
Different scenarios

Fast/Slow leakage

High pressure

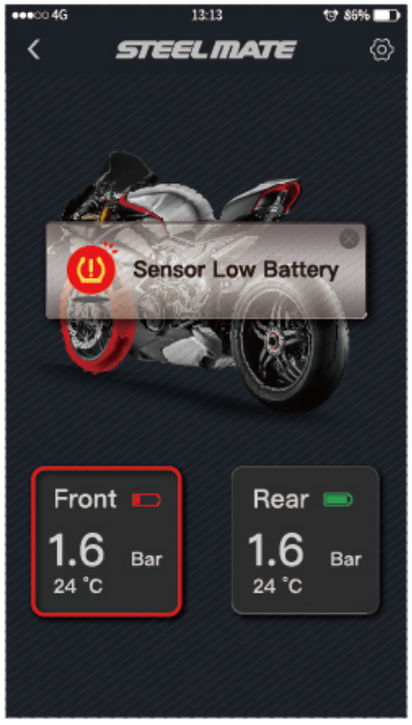
Low pressure

High temperature

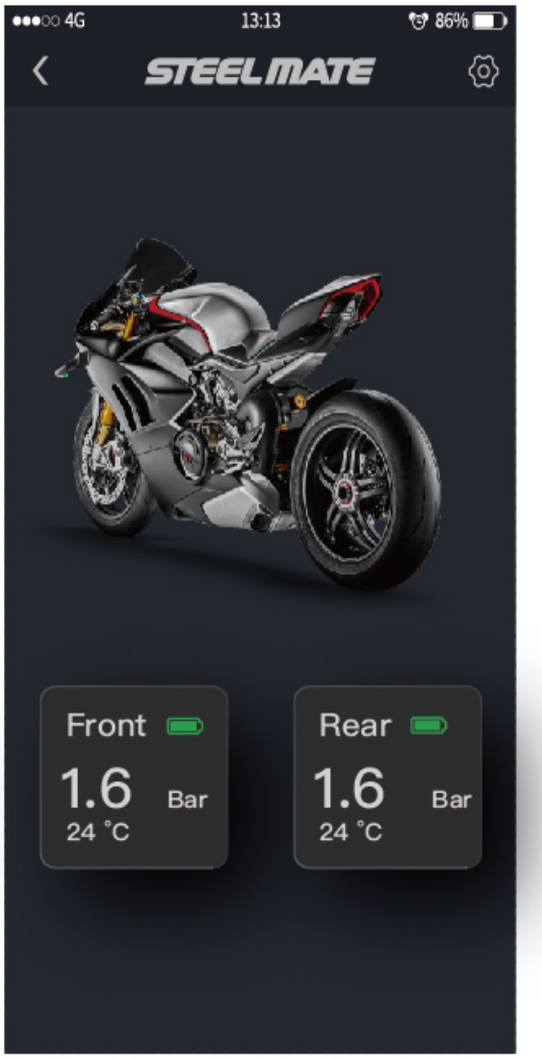


Sensor failure

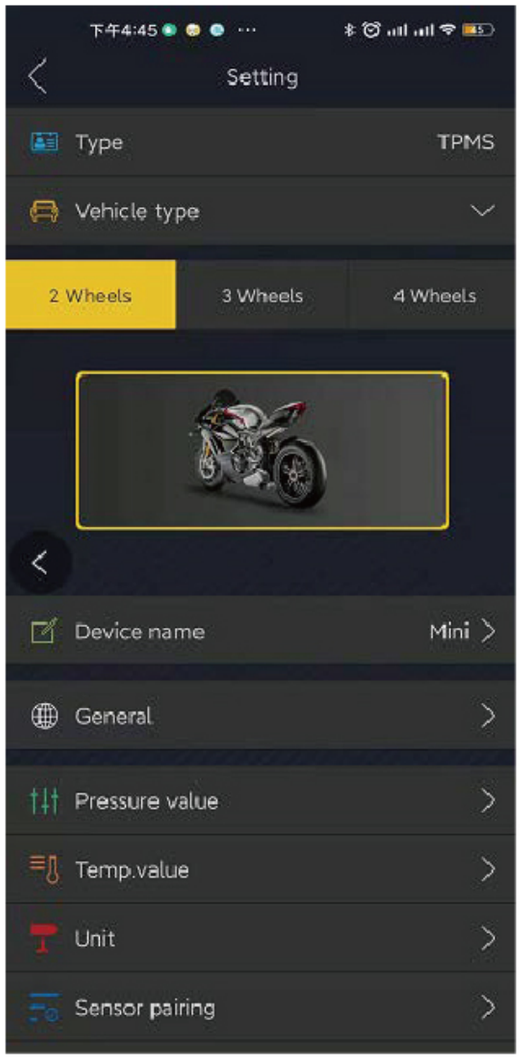
Low battery



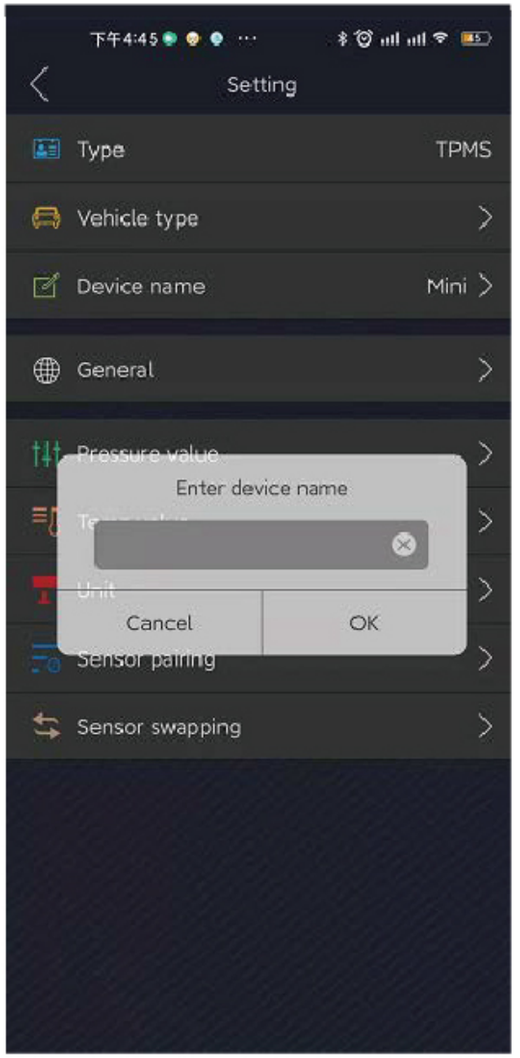
Parameter setting



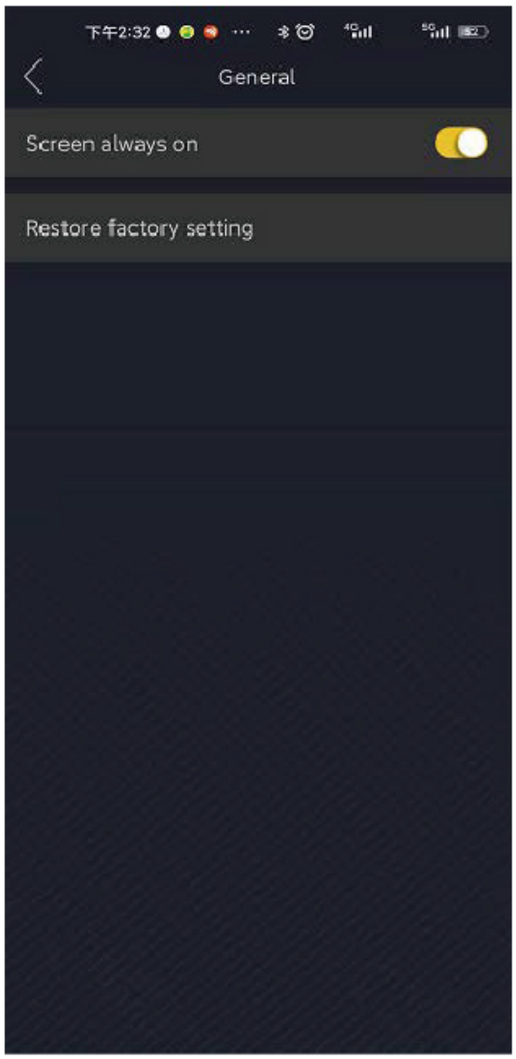
Click the ⚙ icon to enter the parameter setting page



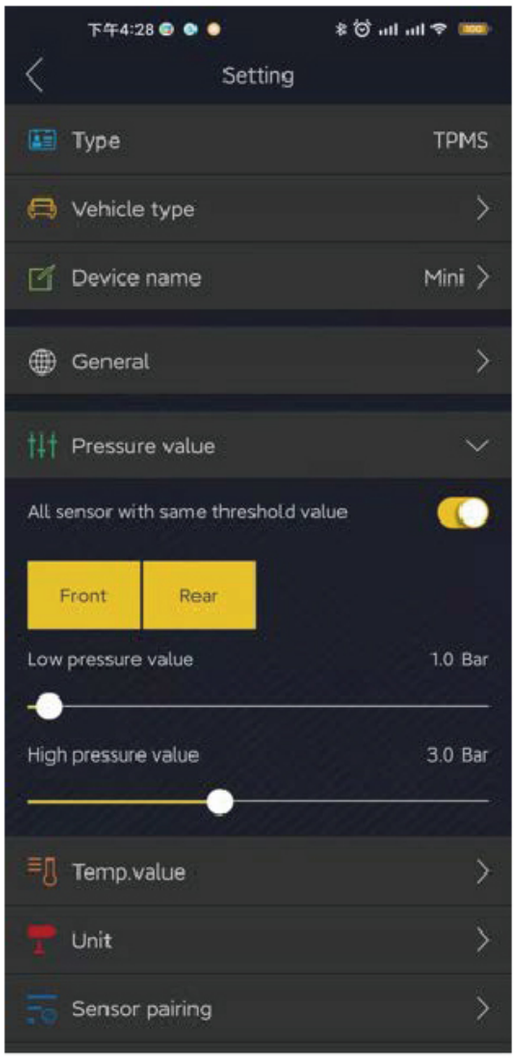
Click on Vehicle type, if you have multiple vehicles bound, select the vehicle you want to set the parameters



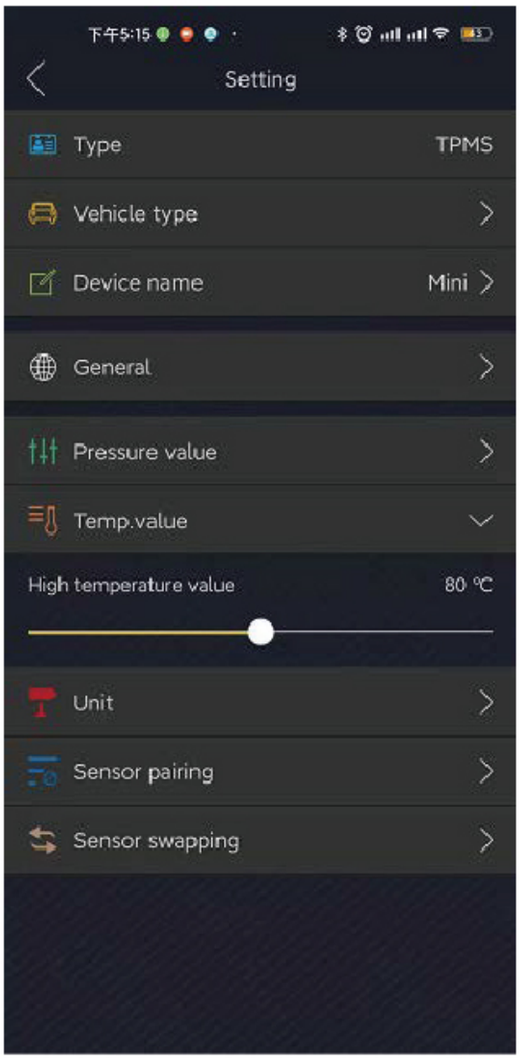
Click on the Device name to change the name of the named vehicle



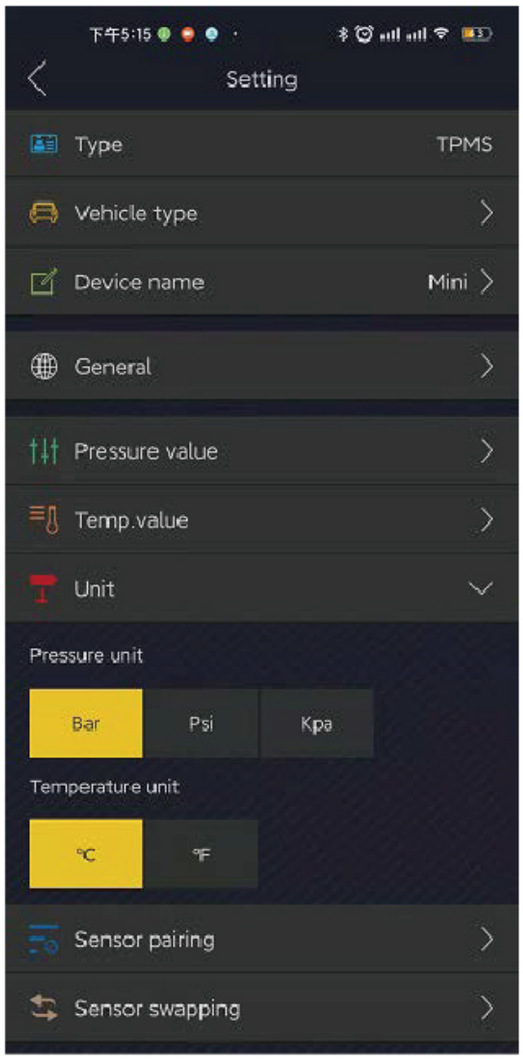
Click on General, you can set the screen on/off and restore factory default.



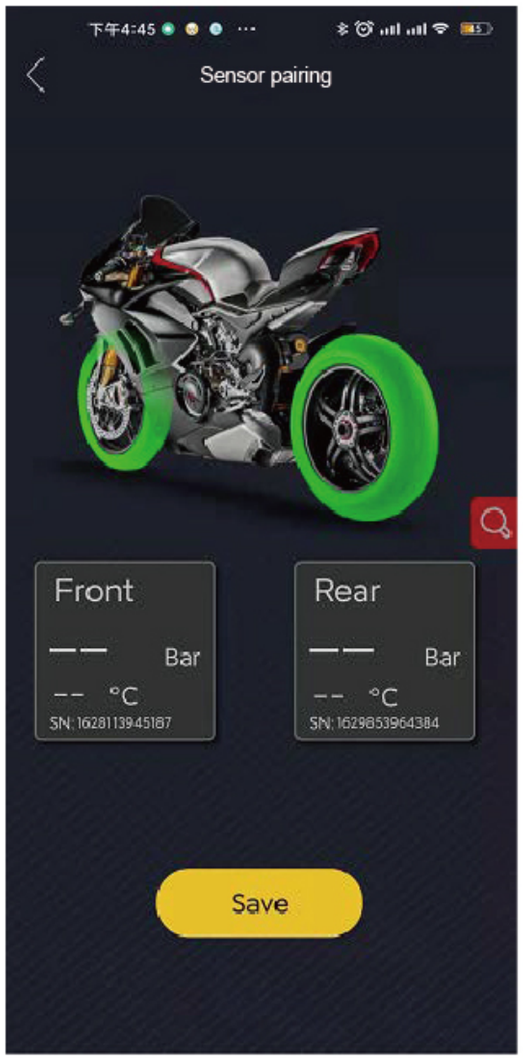
Click on Pressure value. Switch on the icon to set the threshold values of the front and rear tires simultaneously; Switch off the icon to set the threshold value for the front or rear tires separately.



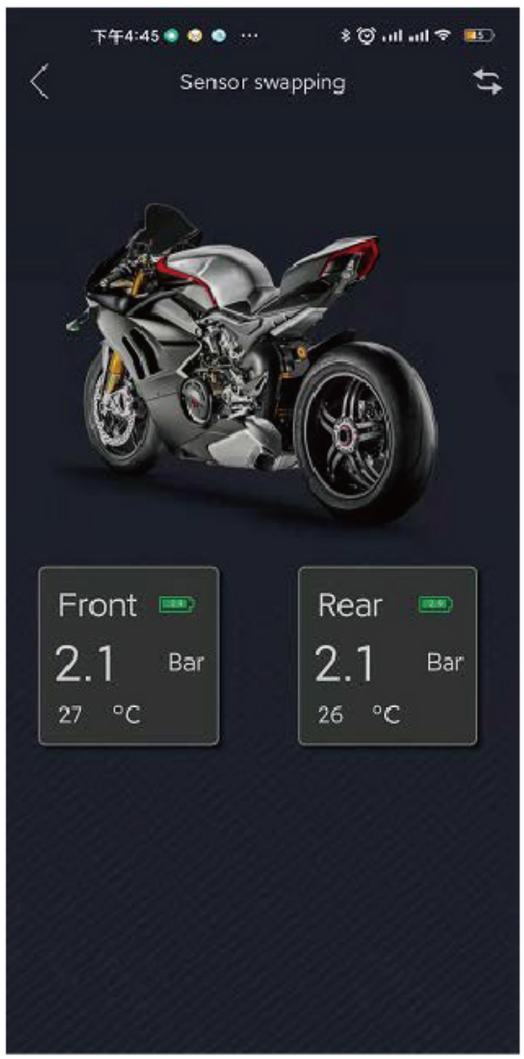
Click on Temperature value, and scroll the button to the threshold value you want to set



Click on Unit, and select the pressure unit and temperature unit you want to set

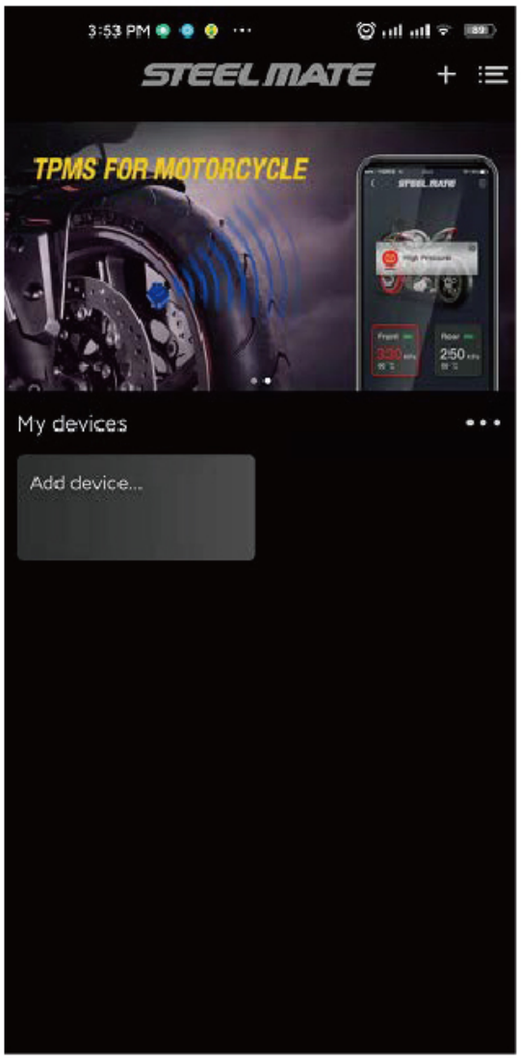


Click on Sensor pairing. When the sensor is missing or damaged, you can click on the sensor information area you want to replace to re-pair and re-install a new sensor

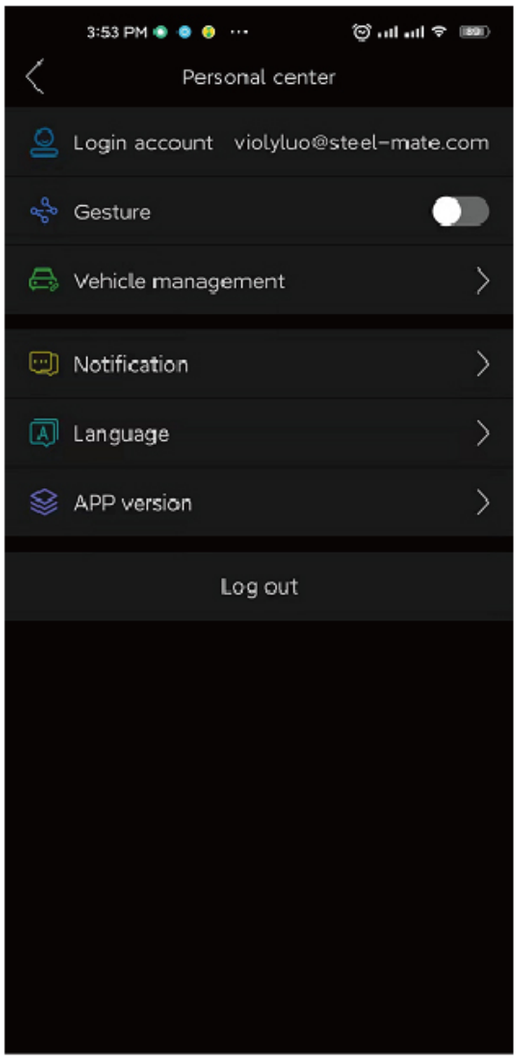


Click on Sensor swapping. When you are not sure which sensor belongs to which tire position, click the ⇆ icon to set the position to the correct one

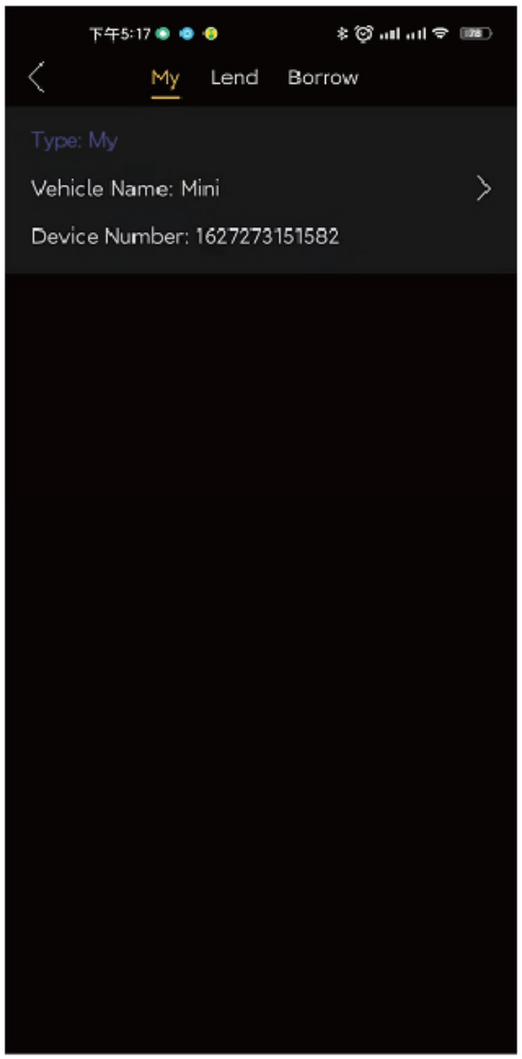
System setting



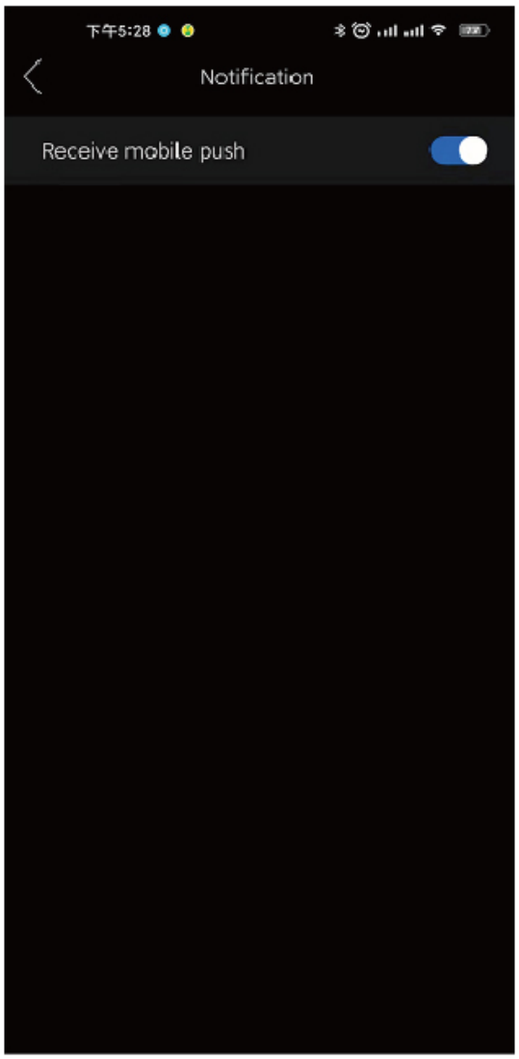
Click the ☰ icon to enter the system setting page.



Click on Gesture and turn it ON. Verify the gesture password every time when open the app. Default: OFF



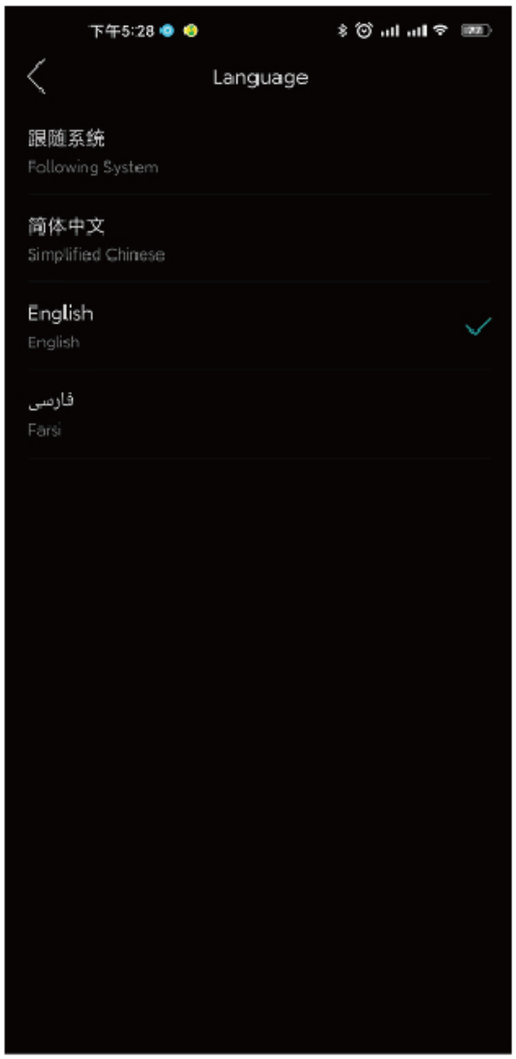
Click on Vehicle management. The information about bound devices is shown here.
If you want to unbind the device, click the information inside to unbind it.



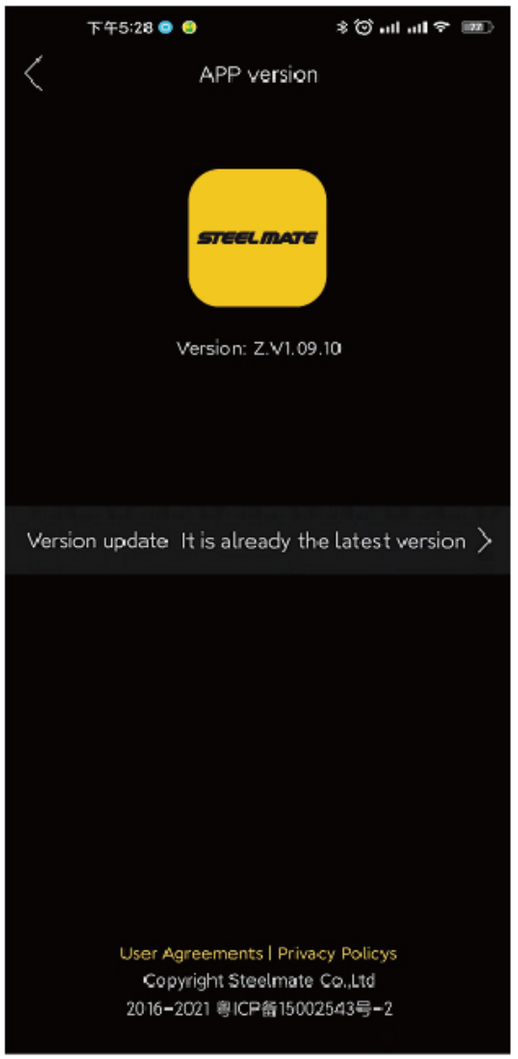
Click on notification, it can pops up a latest alerts on the mobile device when APP running in the background.

Default: ON

*Note: Make sure that Notifications are turned on in settings of mobile device, and also Do Not Disturb is turned off.



Click on Language, and select the language you want.



Click on APP version, the user will be reminded of update if new version is released.

Specifications

Sensor

Operating frequency: 2442±40MHz

Operating voltage: 2.1V ~ 3.3V

Operating temperature: -20℃~ +80℃/ -4℉~ 176℉

Pressure range: 0 ~ 6Bar / 0 ~ 87PSI

Adjustable value range

High pressure value: 1.0 ~ 6.0Bar / 14.5 ~ 87PSI

Low pressure value: 0.9~5.9Bar / 13 ~ 85.5PSI

High temperature value: 70 ~ 90℃/ 158 ~ 194℉

* The low pressure value cannot be set higher than the high pressure value.

Default

High pressure: 3.3Bar / 47.8PSI

Low pressure: 1.7Bar / 24.6PSI

Temperature: 80℃

Precision

Tire temperature: ±3℃/ ±5℉

Tire pressure: ±0.1Bar / ±2PSI

1 Bar = 14.5 PSI = 100K Pa = 1.02 Kgf/cm²

Disclaimer

- Tire Pressure Monitoring System(TPMS) is designed for monitoring tire abnormality. and providing user as a convenient secondary safety equipment.
- If the tire has been damaged or traffic accident occurs resulting from improper driving behavior, the company will not assume civil or criminal liability.

Notes:

1. This system is for motorcycle with tire pressure within 6Bar / 87PSI.
2. The sensor battery life depends on the driving mileage.
3. Do not expose the battery to high temperature or direct flame.
4. Do not get battery wet or store in high humidity,otherwise short circuit will happen.
5. Do not disassemble or tamper with battery.
6. Tighten the nut slowly with 4.0Nm(±0.5) torque in one rotation to avoid damaging the sensor.

Think safety think Steelmate

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