iTPMSystem for iPod, iPhone, iPad User's Guide

1. Introduction

This Tire Pressure Monitoring System (TPMS) was designed for increasing security, reliability, and understanding on tire conditions of your car. Once you properly install the TPMS, these sensors will automatically monitor pressures and temperatures of tires in real time, and send these data to Receiver through Bluetooth communications. When any abnormal pressure (under or over inflated) and/or temperature of tire is detected, iPhone, iPod, and iPad will alert driver by its LED warning signal and sound alarm immediately.
This system could ensure you are driving in safety.

About This Manual

- The information in this manual is subject to change without notice.
- This manual has been created with carefulness. In case that you have any comments or questions regarding this manual, please contact your local dealer or our Customer Service Center.
- Before operating this set, please fully understand the prerequisite such as specifications or constraints of the hardware and software. We are not responsible and have no liability for any loss, damage or injury as a result of misuse.

2. Check Accessories

	BT6800 (AT67)	BT6800 (MS30)	
receiver	1	1	
AT 67 sensor	4	0	
AT67 battery	4	0	
Lock nut	4	0	
Rubber gasket	4	0	
Wrench	1	0	
MS30 sensor	0	4	
MS30 accessories	0	4	
User guide	1	1	
Power adaptor (12V to 5V)	1	1	

3. System Installation

3.1 Install Receiver ：

3.1.1 Plug in power adaptor.
3.1.2 Plug USB connector into power adaptor.

3.1.3 Receiver will display Blue LED to each wheel position. The LED blue light of receiver will light up once it gets the sensor's signal.

3.1.4 However, if L2 wheel is abnormal, the L2 blue light will flash and the yellow warning signal in the middle will light up.

(1) If the tire pressure is too low: it'll alert with a short sound.
(2) If the tire pressure is too high: it'll alert with a long sound and a short sound.
(3) If the tire temperature is too high: it'll alert with continuous long sound.

3.1.5 And if the receiver can't get the signal from R1 sensor, the LED blue light of R1 will go out, then please check as follows:
(1) replace the sensor's battery.
(2) go to App to confirm whether the ID position is correct.

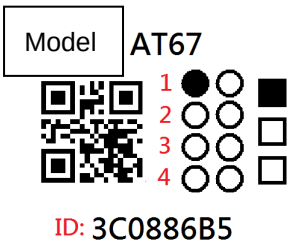
(3) to check whether the installation is correct.

Note: The mini USB socket in the back is for power only, there's no data communication function.

3.2 Install A-Type External Sensor (Battery replaceable):

3.2.1 Each sensor's label has been marked its ID and its wheel order.

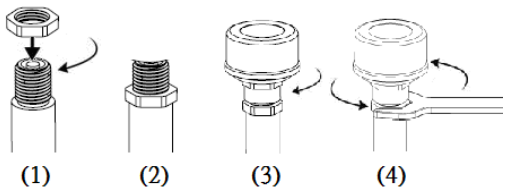
EX:
Sensor's Model. No.: AT67
Wheel Order: 01:L1
ID: 3C0886B5



3.2.2 Place the battery into the sensor and screw the top cap onto the sensor. Please follow the battery's polarity to place the battery. Upside is +, downside is -.

3.2.2 Remove the original valve cap from the tire.

3.2.3 Screw lock nut first (1) and will become (2). Screw the sensor onto valve stem clockwise (3). Screw (1) lock nut back and use the wrench to lock tightly (4). (3)(4) steps can make sure the sensor's fixity and is provided with anti-theft function.



Note：

(1) Beware of the conductivity between the sensor and the valve stem.

(2) Sensors are supposed to be well locked onto the valve stem to avoid from leaking.

(3) Please replace sensor's battery once its voltage is under 2.6v.

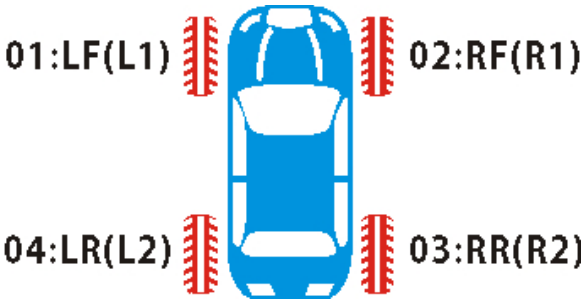
(4) If driver drives on a lumpy road, or the tire pressure changes rapidly, our device will deem this as a danger situation, and the device will alert the driver continuously by sending 10 data, in this condition, the battery will ran out fast.

3.3 Install M-Type Internal Sensor :

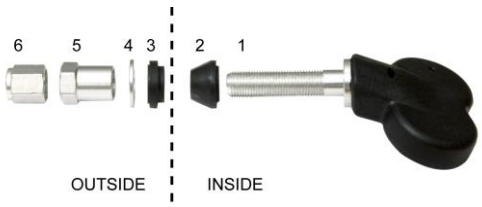
3.3.1 Each sensor's label has been marked its ID and its wheel order.

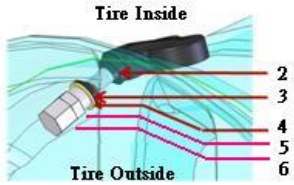
3.3.2 Tire location

01: Left Front (L1) 02: Right Front (R1)
04: Left Rear (L2) 03: Right Rear (R2)



3.4 Install Internal Sensor (M-type)





3.4.1 Remove the tires from vehicles.

3.4.2 Deflate the tires and detach rim and tire.

3.4.3 Install sensor on rim to appropriate position.

3.4.4 Balance wheels.

3.4.5 Install wheel to appropriate position.

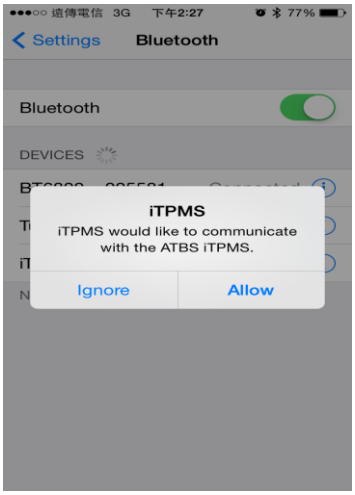
4. iTPMS APP Installation:

iTPMS App is for free. Through the App, you can know tire temperature and pressure, battery voltage of each sensor, and each sensor's ID.

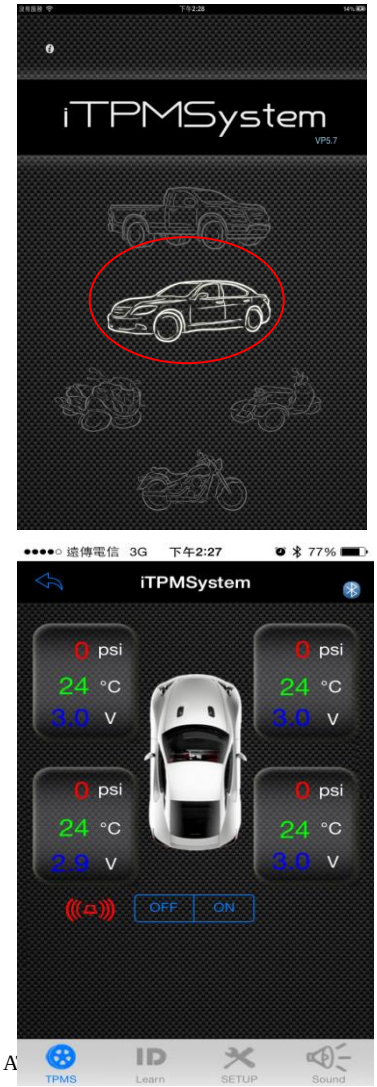
4.1 Install App

4.1-1 Download the APP: iTPMS from Apple Store/ Google Play.
4.1-2 Go to Setting ➔ General ➔ Bluetooth Page.
4.1-3 Turn on the Bluetooth, and search the device.
4.1-4 Find iTPMS device and pair with it. The name of device is BT6800 XXXXXX (X=0-9)

4.1-5 Click Allow to start iTPMS APP.

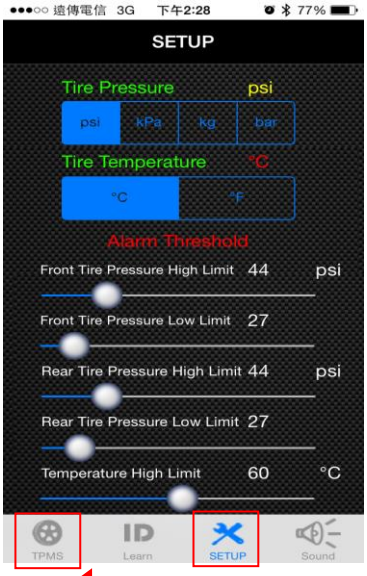


4.1-5 Choose the vehicle and then user is allowed to read tire condition from the App.



Note: Four sensors was set by the manufacturer, there's no need to pair the sensors again. (If there are requests to change new sensors or to change the wheel order please follow the instruction: sensor ID learning.)

4.2 iTPMSystem alert and setting instruction:
4.2-1 Enter Setup page, users can set up the unit and limit of tire pressure and temperature.



Go back to main page to save the setting.

After finishing the setting and go back to main page, the receiver will flash 1 time, it means the setting is already saved into the receiver. When downloading a new iTPMS, make sure to set up the unit, tire pressure and tire temperature limit, and go back to main page and save it.

4.2-2 iTPMSystem App alert description:

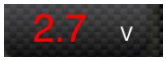
Go to the setting page and users are allowed to set tire pressure and temperature limit. (Please refer to the vehicle's tire pressure label, we suggest to set the lower limit to 80% of the normal value.)

Tire pressure is too high and it's over the limit.

No pressure.

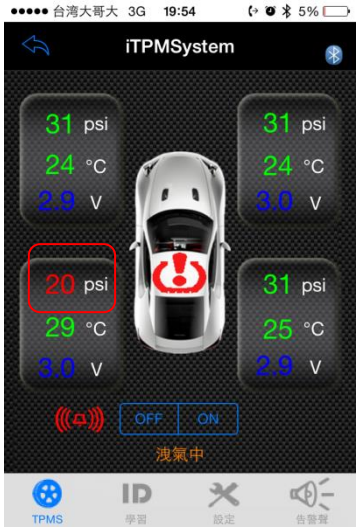
Tire pressure is too low and it's under the limit.

Tire temperature is over the limit.



Sensor's battery voltage is too low.


Tire condition is abnormal.



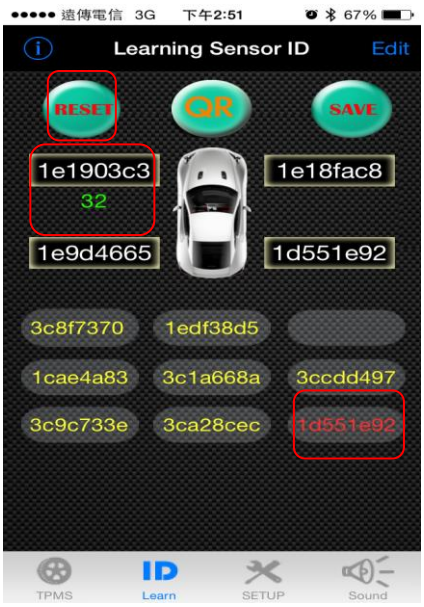
4.3 Reset Sensor's ID

4.3.1 Method 1:

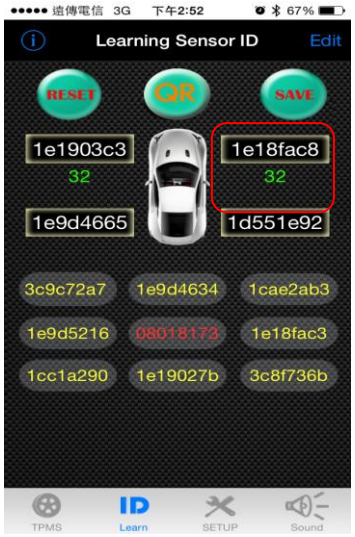
External type: intall the sensor from the left front tire.

Internal type: First, deflate all tire pressure to 15psi, then inflate the left front tire from the beginning.

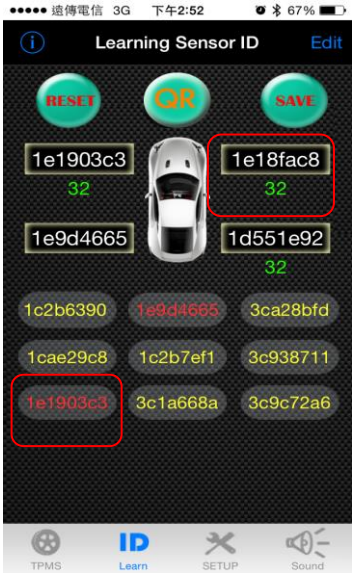
Step 1. Click the **RESET** button and when the left front tire detects the tire pressure is over 20psi, the ID will turn to red→click the red ID, and it'll jump to the left front wheel.



Step 2. When the right front tire detects the tire pressure is over 20psi, the ID will turn to red→click the red ID, and it'll jump to the right front wheel.

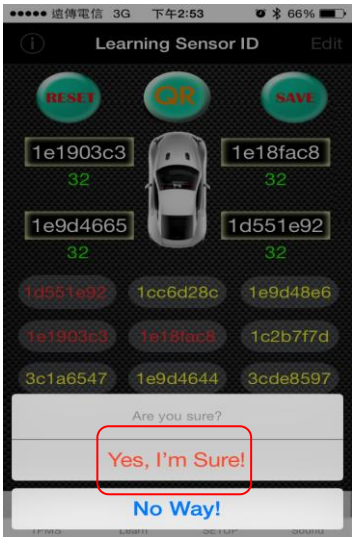


Step 3. When the right rear tire detects the tire pressure is over 20psi, the ID will turn to red→click the red ID, and it'll jump to the right rear wheel.

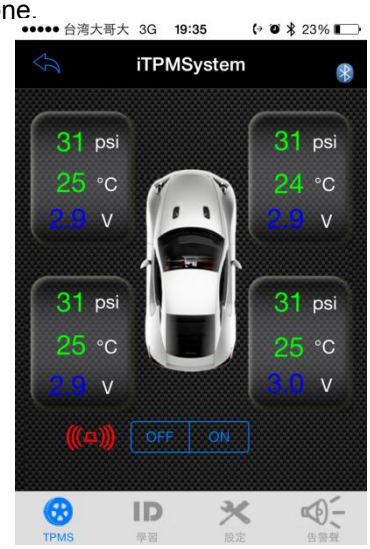


Step 4. When the left rear tire detects the tire pressure is over 20psi, the ID will turn to red→click the red ID, and it' ll jump to the left rear wheel.

Step 5. Click SAVE and click YES to save, the receiver will flash 1 time and it means the ID is saved into the receiver.



Step 6. Go back to TPMS page to see the tire condition, and it's done.



4.3.2 Method 2: (this method is suitable for changing the wheel order.)

Step 1. Note down each wheel order's ID anc click **EDIT.**

Step 2. Enter into edit page and click the blank and enter the ID.

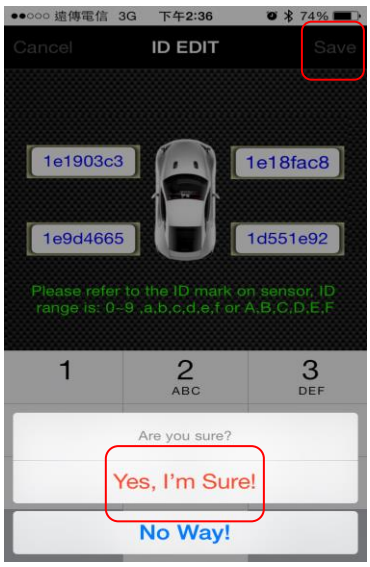
Step 3. (No need to follow the following order to enter the ID) Enter the left front wheel's ID.

Step 4. Enter the right front wheel's ID.

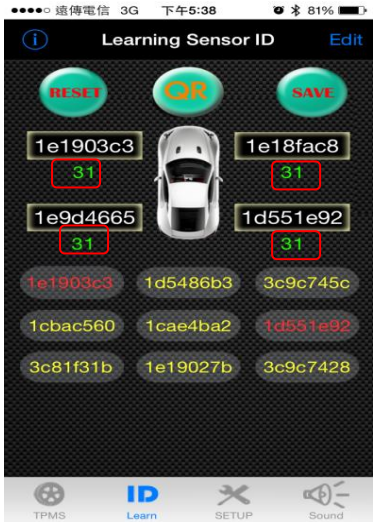
Step 5. Enter the right rear wheel's ID.

Step 6. Enter the left rear wheel's ID.

Step 7. After entering all sensor's ID, click SAVE and click YES.

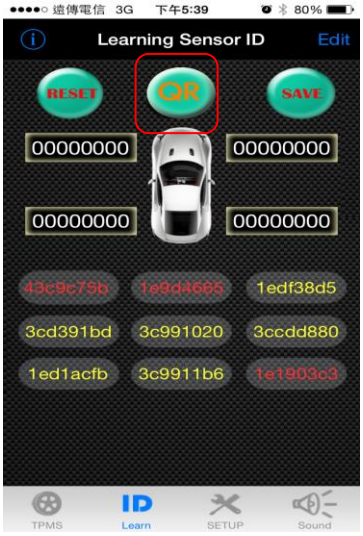


Step 8. Go back to ID Learning page, when it shows green values (tire pressure condition) under the ID, click SAVE and click YES to save it, the receiver will flash 1 time, it means the ID is saved into the receiver.
Go back to TPMS page to see the tire condition, and it's done.



4.3.3 Method 3: (this method is suitable for changing the wheel order.)

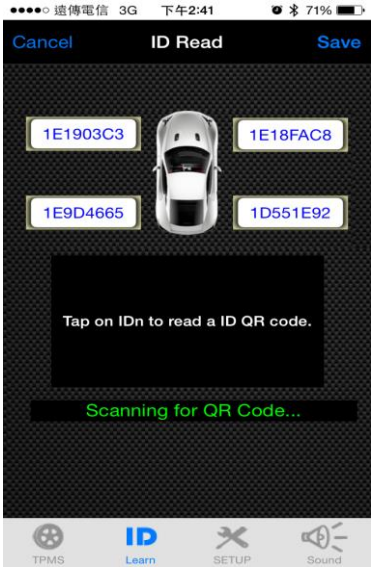
Step 1. Go to ID Learnig page and click QR.



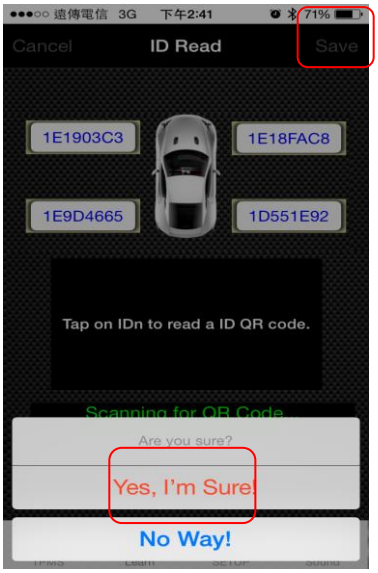
Step 2. Enter into ID Read page, and click the blank to start scanning QR code.

Step 3. (No need to follow the following order to enter the ID) Scan the left front wheel's ID.

Step 4. Follow the above procedure and finish setting all IDs.



Step 5. After entering all sensor's ID, click **SAVE** and click **YES**.

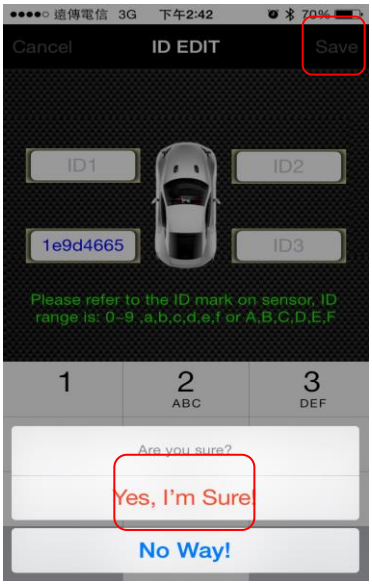


4.4 Individual Sensor ID Learning:

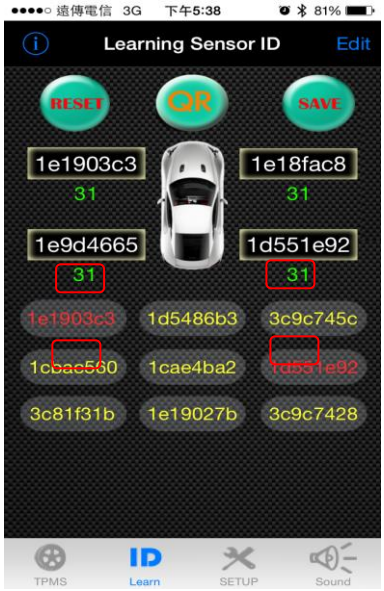
(Follow the following steps when changing a new sensor.)

4.4.1 Enter the new sensor ID.

4.4.2 After entering the ID, click SAVE and click YES.



4.4.3 Go back to ID Learning page, when it shows green values (tire pressure condition) under the ID, click SAVE and click YES to save it, the receiver will flash 1 time, it means the ID is saved into the receiver. Go back to TPMS page to see the tire condition, and it's done.



4.5 Alarm Sound Setting:

Users can set their individual alarm sound by clicking the button and save it. While the tire condition is abnormal, it'll sound the alarm.

5. Specification

5.1 BT6800 receiver:

Operation Voltage	USB 5V
Operation Current	80 mA
Operation Temperature	-10~ 70 ℃
TPMS Frequency	433.92 MHz
BT Frequency	3.0SPP

5.2 Sensor (AT67 & MS30):

Operation Temperature	-40 °C to 125 ± 1°C	
Operating Humidity	100%	
Frequency	433.92MHz	
Monitoring Pressure	0~131± 1 psi	
Battery	2.9V ± 0.1V	
Weight	AT67	9.0g ± 0.2g
	MS30	27g ± 0.5g
Battery Lifespan	AT67 (battery exchangeable)	About 8~12 months
	MS30	About 5 years

6. Caution:

6.1 Information provided in user's guide is for reference only. You should operate the device only when your vehicle stops.

6.2 This product may be interrupted by some harmful system and may lead to malfunction.

6.3 In order to install internal sensor properly, users are suggested to body shop for assistance. Please beware of the location of each sensor. Do not beat the valve directly or use any tools to harm the valve.

6.4 Four sensors' IDs of this product have already set by the manufacturer. If you would like to replace new sensors, please seek the agent for assistance.

6.4 Do not soak our product or sensor in the water or chemical. Chemicals are not allowed to clean.

6.5 Do not use water or chemicals to clean or soak the receiver and sensors directly.

6.6 Do not replace the rubber gasket arbitrarily. If there is any damage, please replace it with the certified one.

6.7 The warranty of the product is one year, please use the product correctly. The warranty excludes natural and artificial disasters, drops, soaking in water accident, fire accident, anomalistic power supply and other damages.

6.8 The warranty won't cover any consumptive accessories like: the packaging, Velcro, manual, etc.

6.9 Please refer to the steps from user's guide to avoid any abnormal operation. It may lead to malfunction.

6.10 Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority

to operate the equipment.

6.11 Please follow the instruction of power supply. Wrong process of power supply will cause malfunction. Please use the certified battery. Improper battery or wrong procedures will affect efficiency or cause malfunction of sensors.

6.12 Please observe tire pressure, temperature and battery voltage at all times. If the receiver cannot get the information for a long time, please check your sensors.

6.13 FCC Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions (1) the device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. 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:

Increase the separation between the equipment and receiver.

Change the receiver's location and the way it connects.

Consult the dealer or an experienced radio/TV technician for help.

Notice: Any modifications or any system alterations cannot guarantee the user's rights is protected continuously.