

# TPMS D.V



**T205**  
User Manual

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## 1.1 Introduction of Product Safety:

Wireless tire pressure monitoring system, is a wireless vehicle safety equipment. can be battery and individual tire temperature·pressure·battery voltage important information at any time alert drivers that the operation status of the tire, reduce broke down and driving security issues.

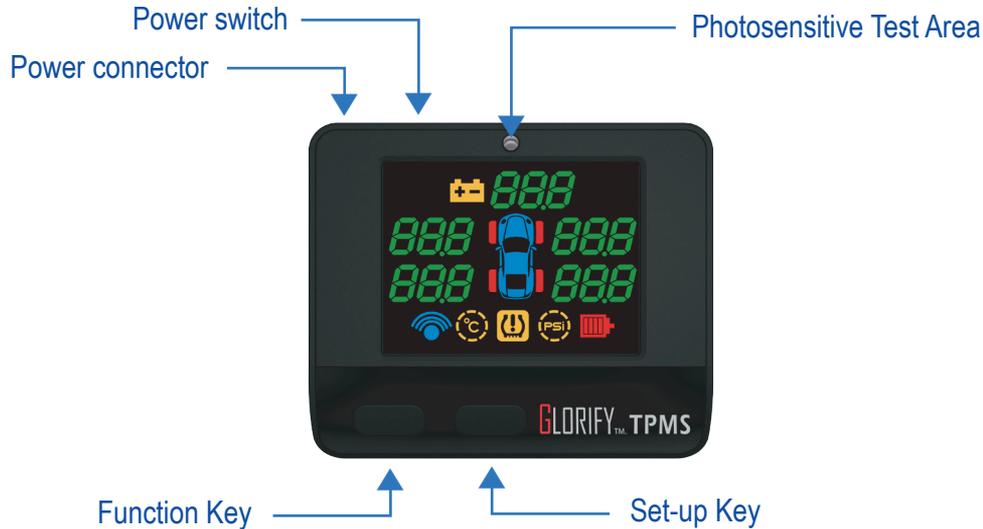
While any abnormal condition is detected, the value in the voices/lights issued a warning to drivers attention.

## 1.2 ssories List:

Parts	Quantity
Host Unit .....	1
Power Cable (cigarette lighter Connector ) .....	1
Sensor .....	4
CR1632,Battery (Swiss Made) .....	4
Fixing bracket .....	1
Anti-theft Nut .....	4
Wrench .....	1
User Manual + Warranty Card .....	1

# 1. Before Use

## 1.3 Introduction of Product Function

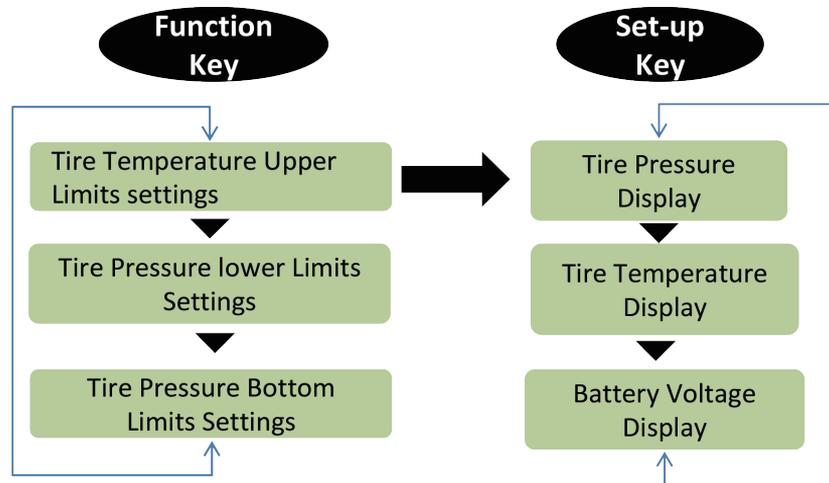


### 1.3.1 Function Key

Press [Function key] under normal mode to display settings in a cycle.

## 1.3.2 Set-up Key

Move to the function mode desired with [Function Button] and press [Set-up Button] to reset; press [Function Button] to exit settings once accomplishment.



## 2. Installation

### 2.1 Host Unit Installation

First Step : Search position of Host Unit  
/ Cigarette lighter Connector  
(Figure 1-2)



( Figure 1 )



( Figure 2 )

#### Instruction :

1. Circular connector connected host the rear cigarette lighter connector connected to the car cigarette lighter socket.

Second Step : Turn on the power ,the display  
will start ( Figure 3-4 )



( Figure 3 )



( Figure 4 )

### Instruction :

If Cigarette lighter, turn off the engine, the power will be shut down, the host switch normally open.

If engine is shut down, the power will not turn off will be required to host the rear of the switch to turn off or unplug the cigarette lighter plug to prevent battery power depletion. (Figure 5-6 )



( Figure 5 )



( Figure 6 )

### Step 3 : Host fixing bracket connection

#### Instruction :

- 1 . Holder bracket fixing hole behind the insertion host ( Figure 7 ~ 8 )
- 2 . Mounting bracket affixed to the glass on the appropriate location,And vacuum adsorption locked (Clockwise locking) ( Figure 9 )



( Figure 7 )



( Figure 8 )



( Figure 9 )

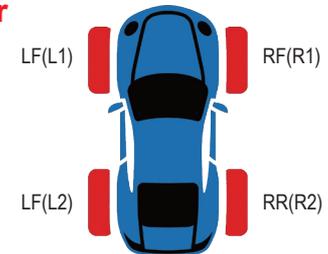
## 2. Installation

### 2.2 Sensor Installation

#### Step 1: Make sure four Sensor are pasted with tire position sticker

##### Instruction :

1. Take 4 Sensor and make sure if stickers marking 4 different positions of tires are pasted onto, R 1(Right Front)/R2(Right Rear)/L1(Left Front)/L2(Left Rear)



( Figure 10 )

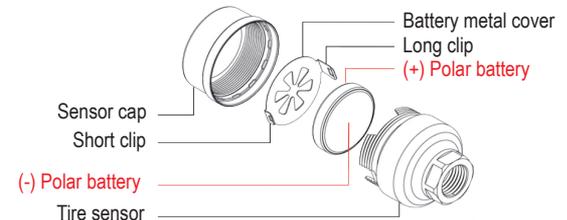
#### Step 2 : Install Battery of SENSOR

##### Instruction :

1. Put batteries and snaps into Sensor by sequence and fasten up the lid.(Figure 11 )

##### Precaution:

1. Negative pore of the battery shall be at bottom side and positive pore at upper side;it will discharge instantly and run out of power if in reverse placement.
2. Please fasten up the lid completely to avoid penetration of vapor.



( Figure 11 )

### Step 3 : Install Sensor on the Tire

#### Instruction :

Every piece of Sensor is identified by a unique ID Code (tire positioned with HUD), and paste its label on the Sensor (LF(L1) RF(R1)..).

- 1.Remove the plastic gas nozzle on the tire first and fasten it up with anti-theft nut; make sure Sensor's tire position labels are matched in tires' positions, then install and fasten them on the gas nozzle.(Figure 12-15 )



( Figure 12 )



( Figure 13 )



( Figure 14 )



( Figure 15 )

Precaution: please must fasten sensor and gas nozzle; it might have gas leakage if failed to do.

## 2. Installation

### Step 4 : Sensor Fasten-up

#### Instruction :

1. Swivel the anti-theft nut toward direction of the sensor. (Figure 16)
2. Take the wrench to buckle anti-theft nut with one hand and seize sensor with another hand to fasten up with each other inward. (Figure 17- 18)
3. Check if Sensor has been installed and fastened correctly.



( Figure 16 )



( Figure 17 )



( Figure 18 )

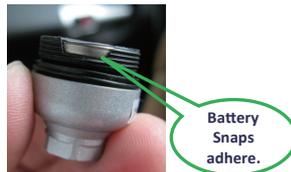
### 2.3 Trouble-shooting of issues frequently happened during Installation

**FAQ 1 : After HUD is power on for 5 minutes, it remains failure of receiving wireless signal (unable to receive signal transmitted from 4 pieces of Sensor in 5 minutes).**

#### **Resolution:**

1. Please make sure if the batteries are in reverse. (Negative is poured at bottom side and positive at upper side)
2. Please make sure the snap of battery is fastened and in close of the batteries.(Figure19~20)
3. Please make sure if voltages in the batteries are enough; please replace with new ones if less than 2.6V.
4. Please disassemble the battery, replace the battery once.
5. Please swivel the lid and check if penetration of any vapor occurred which caused battery snap or rust and malfunction.

(Please be sure to fasten up the lid and adhere it with rubber ring to avoid penetration of vapor)



( Figure 19 )



( Figure 20 )

## 2. Installation

### Precautions:

The system is operated on wireless signal, under certain situation, the system may be unable to receive or reduce down the wireless signal as a result of environment intervention, mistakes made during operation and improper installation.

When the tire cannot receive updated RF signal in 5 minutes consecutively, its red legend light will be on to warn drivers.

When any of following situation happened, please:

1. Drive away the car (it might be strong wireless signal intervention nearby)
2. Please check if battery of Sensor is running out (less than 2.6Volt); please replace it with new one.
3. Please contact with your dealer for assistance.

### **FAQ 2: What should I do when the Sensor is with problems caused from lack of tire position labels, tire position duplication or labels drop?Resolution:**

Resolution:

1. We have done ID code settings on display and 4 pieces of Sensor while in delivery; in case of aforesaid problems, please consult with your dealer for reset to avoid misplacements.

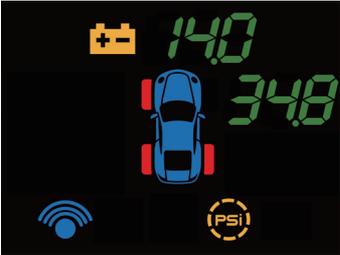
## 3. Installation Accomplishment

### 3.1 Wireless Signal Reception

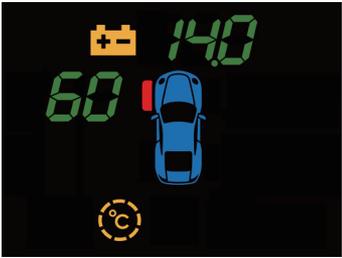


Step	Description	Display on HUD
1	Start the engine, power turned on. For turn on the power switch, Into the receiving state.	

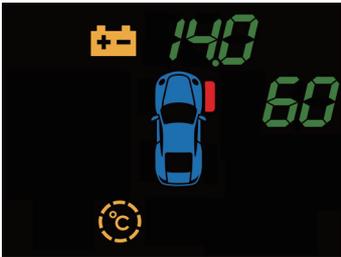
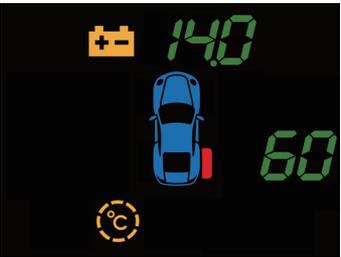
### 3.Installation Accomplishment

Step	Description	Display on HUD
2	When the Host receives RF signal from Sensor, the red light on the tire will extinguish one after one. Displays PSI and of tire pressure value.	 The HUD display shows a battery icon with a plus-minus sign and the number 140 in green. Below it is a blue car icon with red tires. To the right of the car, the number 348 is displayed in green. At the bottom left is a blue wireless signal icon, and at the bottom right is a yellow circular icon with the text 'PSI' inside.
3	When four sensors (RF), after receiving host will show tires, PSI and tire pressure of reading.	 The HUD display shows a battery icon with a plus-minus sign and the number 140 in green. Below it is a blue car icon with red tires. On either side of the car, the number 348 is displayed in green. Below the car, the number 338 is displayed in green. At the bottom left is a blue wireless signal icon, and at the bottom right is a yellow circular icon with the text 'PSI' inside.

## 4.1 Function Key and Set-up Key Operat i o n

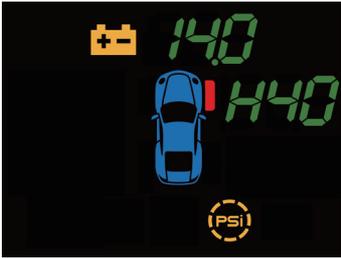
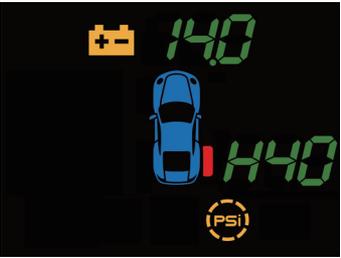
Function Key	Description	Display on HUD
Do not press	Showing pressure value of the battery voltage and tire pressure	 <p>The HUD display shows a battery icon with a plus sign and the value 14.0. Below it, a car icon has four tire pressure values: 348 on the top left, 348 on the top right, 338 on the bottom left, and 338 on the bottom right. A blue Wi-Fi icon is at the bottom left, and a yellow PSI icon is at the bottom right.</p>
Press once	Tires, temperature and the left front tire semaphored left front wheel the value “60” appears on the left front tire temperature limit can be the right setting, each time press the increase “1” °C	 <p>The HUD display shows a battery icon with a plus sign and the value 14.0. Below it, a car icon has a large green 60 on the left front tire. A yellow temperature icon (°C) is at the bottom center.</p>

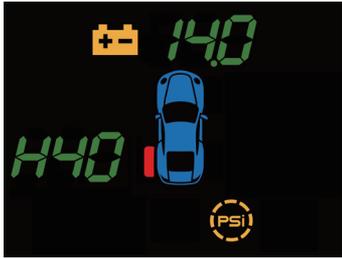
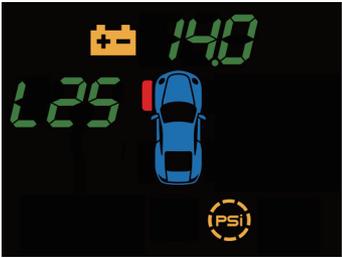
## 4.Operation and Settings

Function Key	Description	Display on HUD
Press 2 times	Tires, temperature, and the right front tire light will be on and the right front wheel of the value "60" may be right to set the upper limit of the right front tire temperature, each time press the increase "1" °C	
Press 3 times	Tires, the temperature and the light is on the right rear tire and the right rear wheel to the value "60" appears on the right rear tire temperature limit can be the right setting for every Press once increase of 1 " °C	

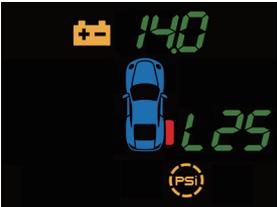
Function Key	Description	Display on HUD
Press 4 times	Tires, temperature, and the left rear tire semaphored left rear wheel the value "60" appears on the left rear tire temperature limit can be the right setting, for each Press once the increase "1" °C	
Press 5 times	Tires, tire pressure sign was semaphored and the left front tire and the left front wheel value appears "H40" set can be right on the left front tire temperature limit increase, per Press once the "1" PSI.	

## 4.Operation and Settings

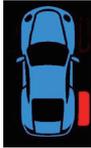
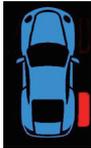
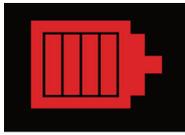
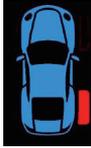
Function Key	Description	Display on HUD
Press 6 times	Tires, tire pressure, and the right front tire ign was semaphored and the right front wheel value appears H40 may be right to set the upper limit of the right front tire temperature increased, Each press the "1" PSI.	 The HUD display shows a battery icon with a plus-minus sign in the top left, a green digital display showing '140' in the top right, a blue car icon in the center, a red vertical bar on the right side of the car icon, and a green digital display showing 'H40' on the right side of the car icon. A yellow dashed circle with 'PSI' inside is at the bottom right.
Press 7 times	Tires, tire pressure and the sign was semaphored the right rear tire and the right rear wheel "H40", value appears on the right rear tire temperature limit can be the right setting, per Press once the increase "1" PSI.	 The HUD display shows a battery icon with a plus-minus sign in the top left, a green digital display showing '140' in the top right, a blue car icon in the center, a red vertical bar on the right side of the car icon, and a green digital display showing 'H40' on the right side of the car icon. A yellow dashed circle with 'PSI' inside is at the bottom right.

Function Key	Description	Display on HUD
Press 8 times	Tires, tire pressure sign was semaphored and the left rear tire and left rear wheel value appears H40, setting the upper limit in the left rear tire temperature can be right per time increase "1" PSI.	 <p>The HUD display shows a battery icon in the top left, a green digital pressure value of 140 in the top right, and a green digital value of H40 on the left side. A blue car icon is centered, with a red vertical bar on the left rear wheel. A yellow dashed circle with 'PSI' is in the bottom right.</p>
Press 9 times	Tires, tire pressure and the left front tire sign was semaphored the left front wheel value appears "L25" set can be right on the left front tire temperature limit increase, per Press once the "1" PSI.	 <p>The HUD display shows a battery icon in the top left, a green digital pressure value of 140 in the top right, and a green digital value of L25 on the left side. A blue car icon is centered, with a red vertical bar on the left front wheel. A yellow dashed circle with 'PSI' is in the bottom right.</p>

## 4.Operation and Settings

Function Key	Description	Display on HUD
Press 10 times	Tires, tire pressure, and the right front tire sign was semaphored the right front wheel value appears "L25" may be right to set the upper limit of the right front tire temperature increased, Each press the "1" PSI.	
Press 11 times	Tires, tire pressure and the sign was semaphored the right rear tire and the right rear wheel value appears "L25", set on the right rear tire temperature limit may be right, for each Press once the increase "1" PSI.	
Press 12 times	Tires, tire pressure sign was semaphored and the left rear tire and left rear wheel value appears "L25", setting the upper limit in the left rear tire temperature can be right for each time increase"1" PSI.	

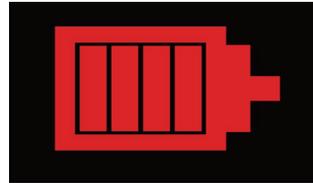
## 4.2 Warnings and Legends

Description	Display on the Host Unit		
<p>Tire Pressure Warning Legend</p> <p>When the tire pressure is too low or too high, every 10 seconds prompted two short beeps for one minute and, at the same time the tire pressure warning icon flashes.</p>			
<p>Tire Temperature Warning Legend</p> <p>When the tire temperature is too high, prompted two beeps every 10 seconds, and for one minute, Tire temperature alarm icon flashes.</p>			
<p>Insufficient electricity power of tire warning Legend</p> <p>When individual tire pressure is less than 2.6 Volt, the tire chart Shown and the battery icon flashes and prompts every 10 seconds two short beeps for one minute and you can press the set button to enter the battery voltage, view the tire and replace with new ones.</p> <p><b>Please note:</b> When battery power of Sensor is less than 2.6 Volt, Sensor will be unable to work which has influences on RF signal reception. Please replace with new batteries immediately.</p>			

## 4.Operation and Settings

### 4.3 Tire Status Check-up

Press [Set-up] key and it will show pressure, temperature of every tire, electric power of battery in a sensor (every value delays at 5 seconds)



Heads-Up Display (HUD)		Tire Sensor	
Voltage (Volt)	9 ~ 16V	Voltage (Volt)	3
Current (mA)	50 ~ 200mA	Battery type	CR1632
Working temperature (°C )	- 40 ~ 125	Working temperature (°C )	- 40 ~ 85
RF frequency (MHz)	433.92	RF frequency (MHz)	433.92
		Battery life	1 year(※)

(※)The original sensor battery supplied with CR1632.

Battery usage life time depend on environment and battery brand and formula.

### Disclaimer

The information provided in this user manual doesn't mean all inclusive. All user have to observe and comply to the vehicle manufacturer or tire manufacturer specification and all available safety regulation.

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.

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